Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Controlled Product Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS), and the European Union Directives.

1. Product and Supplier Identification

1.1 Products: **Prescription Base Super-Bond**

1.2 Product Use: **Nail Gel**

1.3 Producer: **Haigh Industries Inc.,**
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5

Telephone: (604) 278-5851

Supplier: **As above**

1.4 Emergencies (24-hour number): +1(604) 278-5851

2. Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification:

Skin Corrosion/Irritation: Category 2
Serious Eye Damage: Category 1
Skin Sensitization: Category 1
Respiratory Sensitization: Category 1
Specific Target Organ Toxicity Repeated Exposure: Category 1
Specific Target Organ Toxicity Single Exposure: Category 3

GHS Label Elements, including precautionary statements

Pictogram:

Signal Word: Danger

GHS Hazard Statements:

H315 Causes skin irritation

H317	May cause an allergic reaction
H318	Causes serious eye damage
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H355	May cause respiratory irritation
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

GHS Precautionary Statements:

Prevention:

P233	Keep container tightly closed.
P260	Do not breathe dust/fume/gas/mist/spray.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264+P265	Wash skin thoroughly after handling. Do not touch eyes.
P270	Do not eat, drink or smoke when using this product.
P271	Use outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	[In case of inadequate ventilation] Wear respiratory protection.

Response:

P302+P352	IF ON SKIN: wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable breathing.
P305+P354+P338	IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P317	Get emergency medical help.
P319	Get medical help if you feel unwell.
P321	Specific treatment (see Section 4).
P333+P317	If skin irritation or rash occurs. Get medical help.
P342+P316	If experiencing respiratory symptoms. Get emergence medical help immediately
P362+P364	Take off contaminated clothing and wash it before reuse
P391	Collect spillage

Storage:

P403	Store in a well ventilated place.

Disposal:

P501	Dispose of contents/container to an approved waste disposal plant.

2.2 Hazards not otherwise classified (HNOC) or not covered by GHS: None

2.4 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Ingestion:	No
Inhalation:	Yes

Emergency Overview: This product contains ingredients which may cause mild eye and skin irritation in some people. For eye contact, symptoms may include a moderate burning sensation, tearing, redness, or swelling. Contact with skin may cause an allergic reaction due to prior sensitization. Local redness, rash, or itchy skin may occur in those persons with a pre-existing sensitivity or those predisposed to skin problems. In rare cases an allergic skin reaction may occur after long term contact with this product.

Effects of Short-Term (Acute) Exposure:Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur. It may also cause allergy or asthma symptoms.

Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.

Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.

Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.

Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3. Composition

3.1 Mixture composition

Component	CAS No	EINECS	% (w/w)	GHS Classification
Bis-Hydroxyethyl Acrylate Poly(Neopentyl Glycol Adipate)/IPDI Copolymer	82339-15-9	N/A	60-80	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317
Isobornyl Acrylate	5888-33-5	227-561-6	20-40	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319 STOT-SE (Category 3): H335 Acute Aquatic Toxicity (Category 1): H400 Chronic Aquatic Toxicity (Category 1): H410
Bis-HEMA PPG-7/SMDI Copolymer	66848-65-5		20-40	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317
Bis(Glyceryl Dimethacrylate) Pyromellitate	148019-46-9		5-10	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317
Glyceryl Dimethacrylate	1830-78-0	217-388-4	5-10	Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319 STOT-SE (Category 3): H335
Maleic Anhydride	108-31-6	203-571-6	1-5	Skin Corrosion/Irritation (Category 1B): H314 Eye Irritant (Category 1): H318 Skin Sensitizer (Category 1): H317 Respiratory Sensitizer (Category 1): H334 STOT-RE Respiratory (Category 1): H372
Trimethylbenzoyl Ditolylphosphine Oxide	270586-78-2	433-490-9	1-3	None assigned
Hydroxycyclohexyl Phenyl Ketone	947-19-3	213-426-9	1-3	None assigned
Acrylic Acid	79-10-7	201-177-9	0-2	Flammable liquids (Category 3): H226 Acute Toxicity Oral (Category 4): H302 Acute Toxicity Inhalation (Category 4): H332 Acute Toxicity Dermal (Category 4): H332 Skin Corrosion (Category 1): H314 Serious Eye Damage (Category 1): H318

				STOT-SE (Category 3): H335 Acute Aquatic Toxicity (Category 1): H400
P-Hydroxyanisole (4- Methoxyphenol)	150-76-5	205-769-8	< 0.01	Acute Toxicity Oral (Category 4): H302 Eye Irritant (Category 2A): H319 Acute Aquatic Toxicity (Category 3): H402 Chronic Aquatic Toxicity (Category 3): H412
Violet 2 - CI 60725	81-48-1	201-353-5	0-1	None assigned

4. First Aid Measures

4.1 Description of First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the physician in attendance. Move away from dangerous area. Remove contaminated clothing. Completely decontaminate clothing, shoes and leather goods before re-use or discard.

In case of eye contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 to 30 minutes or until the chemical is removed, while holding the eyelid(s) open. Obtain medical attention immediately or transport to a medical facility and continue to flush the eyes en route.

In case of skin contact: Wash gently and thoroughly with water and non-abrasive soap for at least 20 minutes or until chemical is removed. If signs of sensitization or irritation occur, obtain medical advice.

If inhalation: Remove source of contamination or move victim to fresh air. If breathing is difficult, give artificial respiration. If breathing is difficult oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow the victim to move about unnecessarily. Consult a physician.

If ingestion: Ingestion unlikely. Never give anything by mouth if victim is rapidly losing consciousness. Have victim rinse mouth thoroughly with water. **Do not induce vomiting**. Dilute contents of stomach with 240 to 300 ml of water. If vomiting occurs naturally have victim lean forward to reduce risk of aspiration. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.

Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.

Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.

Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.

Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of any immediate medical attention and special treatment needed
In the event of an allergic reaction, immediate medical help is required. Allergic reactions may result in various health effects including respiration.

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Dry chemical, carbon dioxide, water spray, foam, or water fog.

5.2 Special hazards arising from mixture: Carbon dioxide, carbon monoxide, oxides of nitrogen, undetermined organic compounds in acrid smoke.

5.3 Advice for firefighters: Do not enter fire area without proper protection. Fight fire from a safe distance, upwind. Use of water may be ineffective due to low solubility. If water is used, direct fine spray or fog at fire to cool and extinguish flames.

5.4 Further Information:

Sensitivity to Impact: No
Sensitivity to Static Discharge: No

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:

HEALTH: 3

FLAMMABILITY: 1

REACTIVITY: 0

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.

Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.

Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.

Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use. At minimum, an eye lavage kit should be kept on hand.

6.2 Environmental precautions

Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and materials for containment and cleanup

Remedial Measures: Wash spill area with strong detergent and water solution, rinse with minimal water, if possible.

Large Spills: For large spills, dike area and prevent leakage into waterways or sanitary sewers. Recover using spark proof equipment and store in approved vented containers for re-use or disposal.

Small Spills: Small spills may be absorbed on an inert medium such as vermiculite or clay, then sweep into vented disposal containers.

6.4 Reference to other sections

For disposal, see section 13

7. Handling and Storage

7.1 Precautions for safe handling

Handling Procedures: Wear proper protective equipment when handling this material. Only use non-sparking tools when handling this material.

7.2 Conditions for safe storage, including incompatibilities

Storage: Store indoors in a well ventilated area where the storage temperature can be maintained between 1ºC and 38ºC. Storage above 38ºC will result in reduced product life. Store in tightly closed containers away from heat, sparks, open flame, strong oxidizers, radiation and other initiators. Prevent contamination with foreign materials, including moisture.

7.3 Specific end use(s)

No other uses except those mentioned in Section 1.2

8. Exposure Controls, Personal Protection

8.1 Control parameters

Components with workplace control parameters
None listed

8.2 Exposure controls

Engineering Controls: When using indoors, ensure adequate ventilation by using local exhaust. Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion proof.

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.

Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.

Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.

Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use.

Control of environmental exposure

Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Viscous liquid, various colours
Odour:	Characteristic acrylic odour
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	0°C
Initial Boiling Point:	131 ºC
Flash Point:	>96.7 ºC
Evaporation Rate:	Negligible
Flammability:	Not flammable
Upper Explosion Limit:	No data
Lower Explosion Limit:	No data
Vapour Pressure:	< 0.01 @ 20ºC
Vapour Density:	No data
Relative Density:	1.15 @ 25ºC (water=1)
Solubility:	Negligible in water
Partition Coefficient:	Not available
Autoignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	No data
Explosive Properties:	Not explosive. Not expected to be sensitive to electrostatic discharge.
Oxidizing Properties:	No data

9.2 Other safety information: None

10. Stability and Reactivity

10.1 Reactivity
Product may become reactive if inhibitor is depleted.

10.2 Chemical Stability
Stable as supplied.

10.3 Possibility of hazardous reactions
High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may initiate spontaneous polymerization, generating heat and pressure. Closed containers may rupture during hazardous polymerization.

10.4 Conditions to avoid
Exposure to heat, light and moisture.

10.5 Incompatible materials
Keep away from strong oxidizers and moisture.

10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide and various oxides of nitrogen.

11. Toxicological Information

11.1 Information on toxicological effects

Note to reader: *We do NOT test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.*

Acute toxicity

Component	LD_{50}	LC_{50}
Isobornyl Acylate CAS No. 5888-33-5 EINECS No. 227-561-6	4890 mg/kg(oral/rat) >5000 mg/kg) (dermal/rabbit)	N/av
Maleic Anhydride CAS No. 108-31-6 EINECS No. 203-571-6	1090 mg/kg (oral/rat) 2620 mg/kg (dermal/rabbit)	
Ethyl Trimethylbenzoyl Phenylphosphinate CAS No. 84434-11-7	>5000 mg/kg (oral/rat) >2000 mg/kg (dermal/rat)	N/av
Hydroxycyclohexyl Phenyl Ketone CAS No. 947-19-3 EINECS No. 213-426-9	2895 mg/kg (oral/rat)	N/av

ABBREVIATION KEY: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available

Skin corrosion/irritation
Components of this mixture cause severe skin burns and eye damage, H314, Category 1, Warning

Serious eye damage/eye irritation
Components of this mixture cause serious eye damage, H318, Category 1, Warning

Respiratory or skin sensitization
Components of this mixture may cause skin sensitization, H317, Category 1, Warning
Components of this mixture may cause respiratory sensitization, H334, Category 1

Germ Cell Mutagenicity
No information available

Carcinogenicity
Not classifiable as a human carcinogen.

Reproductive toxicity
No information available

Specific Target Organ Toxicity – Single exposure
Components of this mixture may cause respiratory irritation, H355, Category 3

Specific Target Organ Toxicity – Repeated exposure
Components of this mixture may cause damage to respiratory system, H372, Category 1

Aspiration Hazard
No information available

Additional information
None

12. Ecological Information

12.1 Toxicity

To fish:

Isobornyl Acylate	LC_{50}	96H	0.704 mg/L
Ethyl Trimethylbenzoyl Phenylphosphinate	LC_{50}	96H	1.89 mg/L
Maleic Anhydride	No data available		

To algae:

Isobornyl Acylate	EC_{50}	72H	1.98 mg/L
Ethyl Trimethylbenzoyl Phenylphosphinate	EC_{50}	72H	1.01 mg/L
Maleic Anhydride	EC_{50}	72H	74.35 mg/L

To daphnia:

Isobornyl Acylate	No data available		
Ethyl Trimethylbenzoyl Phenylphosphinate	EC_{50}	48H	2.26 mg/L
Maleic Anhydride	EC_{50}	48H	42.81 mg/L

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Not conducted

12.6 Other adverse effects
No data available

13. Disposal Considerations

13.1 Waste treatment methods

Product:

Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.

Contaminated packaging

Dispose as above.

14. Transport Information

Transport of Dangerous Goods (TDG and CLR): UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Isobornyl Acylate), Class 9, PG III
United States Department of Transport (49CFR): UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Isobornyl Acylate), Class 9, PG III
International Air Transport Association (IATA): UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Isobornyl Acylate), Class 9, PG III
Note: The environmentally hazardous substance mark must appear on packagings holding more than 5 litres of the material.
International Maritime Organization (IMO): UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Isobornyl Acylate), Class 9, PG III

Note: May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass. The environmentally hazardous substance mark must appear on packagings holding more than 5 litres of the material.

15. Regulatory Information

CANADIAN FEDERAL REGULATIONS:

CEPA, DOMESTIC SUBSTANCES LIST: Listed

UNITED STATES – FEDERAL REGULATIONS:

TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.

CALIFORNIA Proposition 65, Safe Drinking Water and Toxicity Enforcement Act, 1986:
No ingredients listed

OSHA, 29 CFR 1910, Subpart Z: Meets criteria for a hazardous substance.

CERCLA, 40 CFR 302: No ingredients listed

SARA 302, 40 CFR 355: No ingredients listed

SARA 313, 40 CFR 372: No ingredients listed

SARA 311/312, 40 CFR 370: Immediate (Acute) Health, Delayed (Chronic) Health

Massachusetts Right to Know: 4- Methoxyphenol (p- Hydroxyanisole)

New Jersey Right to Know: 4- Methoxyphenol (p- Hydroxyanisole)

Pennsylvania Right to Know: 4- Methoxyphenol (p- Hydroxyanisole)

16. Other Information

Original Preparation Date: August 12, 2025

Prepared by: Haigh Industries Inc.,
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Controlled Product Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS) and the European Union Directives.

1. Product and Supplier Identification

1.1 Product: **Diamond Shine On**

1.2 Product Use: **Nail Gel**

1.3 Producer: **Haigh Industries Inc.,**
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5
Telephone: (604) 278-5851

Supplier: **As above**

1.4 Emergencies (24-hour number): +1(604) 278-5851

2. Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification:
Skin Irritation: Category 2
Eye Irritation: Category 2A
Skin Sensitization: Category 1
Chronic Hazard to the Aquatic Environment: Category 1

2.2 GHS Label Elements, including precautionary statements

Pictogram:

Signal Word: Warning

GHS Hazard Statements:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H410	Very toxic to aquatic life with long lasting effects.

GHS Precautionary Statements:

Prevention:

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264+P265	Wash skin thoroughly after handling. Do not touch eyes.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release into the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see Section 4).
P332+P317	IF SKIN irritation occurs: Get emergency medical help.
P333+P317	If skin irritation or rash occurs: Get medical help.
P337+P317	If eye irritation persists: Get emergency medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.

Storage: **-**

Disposal:

P501	Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: None

2.4 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Ingestion:	No
Inhalation:	Yes

Emergency Overview: This product contains ingredients which may cause mild eye and skin irritation in some people. For eye contact, symptoms may include a moderate burning sensation, tearing, redness, or swelling. Contact with skin may cause an allergic reaction due to prior sensitization. Local redness, rash, or itchy skin may occur in those persons with a pre-existing sensitivity or those predisposed to skin problems. In rare cases an allergic skin reaction may occur after long term contact with this product.

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.
Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.
Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.
Ingestion: This product may be harmful if swallowed.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.

Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3. Composition

3.1 Mixture composition

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification
Bis-HEMA Poly(1,4-Butanediol)-9/SMDI Copolymer	1620133-64-3		20-40	Skin Sensitizer (Category 1B): H317
Bis-HEMA Poly(1,4-Butanediol)-9/IPDI Copolymer			10-30	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317
Pentaerythrityl Tetramercaptopropionate	7575-23-7	231-472-8	10-20	Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319 Chronic Aquatic Toxicity (Category 1): H410
PPG-3 Glyceryl Ether Triacrylate	52408-84-1		20-30	Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319
Diethylene Glycol Dimethacrylate	2358-84-1	219-099-9	5-15	Skin Sensitizer (Category 1): H317
Trimethylbenzoyl Ditolylphosphine Oxide	270586-78-2	433-490-9	1-4	None assigned
Violet 2 - CI 60725	81-48-1	201-353-5	0-1	None assigned
Isopropyl Phenyl Dimethicone			1-3	None assigned
P-Hydroxyanisole (4-Methoxyphenol)	150-76-5	205-769-8	< 0.01	Acute Toxicity Oral (Category 4): H302 Eye Irritant (Category 2A): H319 Acute Aquatic Toxicity (Category 3): H402 Chronic Aquatic Toxicity (Category 3): H412

4. First Aid Measures

4.1 Description of First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the physician in attendance. Move away from dangerous area. Remove contaminated clothing. Completely decontaminate clothing, shoes and leather goods before re-use or discard.
In case of eye contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 to 30 minutes or until the chemical is removed, while holding the eyelid(s) open. Obtain medical attention immediately or transport to a medical facility and continue to flush the eyes en route.
In case of skin contact: Wash gently and thoroughly with water and non-abrasive soap for at least 20 minutes or until chemical is removed. If signs of sensitization or irritation occur, obtain medical advice.
If inhalation: Remove source of contamination or move victim to fresh air. If breathing is difficult, give artificial respiration. If breathing is difficult oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow the victim to move about unnecessarily. Consult a physician.
If ingestion: Ingestion unlikely. If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.
Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by

previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.
Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.
Ingestion: This product may be harmful if swallowed.
Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.
Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of any immediate medical attention and special treatment needed
In the event of an allergic reaction, immediate medical help is required. Allergic reactions may result in various health effects including respiration.

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Dry chemical, carbon dioxide, water spray, foam, or water fog.

5.2 Special hazards arising from mixture: Carbon dioxide, carbon monoxide, oxides of nitrogen, undetermined organic compounds in acrid smoke.

5.3 Advice for firefighters: Do not enter fire area without proper protection. Fight fire from a safe distance, upwind. Use of water may be ineffective due to low solubility. If water is used, direct fine spray or fog at fire to cool and extinguish flames.

5.4 Further Information:

Sensitivity to Impact: No
Sensitivity to Static Discharge: No

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:
HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.
Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.
Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.
Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use. At minimum, an eye lavage kit should be kept on hand.

6.2 Environmental precautions

Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and materials for containment and cleanup

Remedial Measures: Wash spill area with strong detergent and water solution, rinse with minimal water, if possible.
Large Spills: For large spills, dike area and prevent leakage into waterways or sanitary sewers. Recover using spark proof equipment and store in approved vented containers for re-use or disposal.
Small Spills: Small spills may be absorbed on an inert medium such as vermiculite or clay, then sweep into vented disposal containers.

6.4 Reference to other sections

For disposal, see section 13

7. Handling and Storage

7.1 Precautions for safe handling

Handling Procedures: Wear proper protective equipment when handling this material. Only use non-sparking tools when handling this material.

7.2 Conditions for safe storage, including incompatibilities

Storage: Store indoors in a well-ventilated area where the storage temperature can be maintained between 1ºC and 38ºC. Storage above 38ºC will result in reduced product life. Store in tightly closed containers away from heat, sparks, open flame, strong oxidizers, radiation and other initiators. Prevent contamination with foreign materials, including moisture.

7.3 Specific end use(s)

No other uses except those mentioned in Section 1.2

8. Exposure Controls/Personal Protection

8.1 Control parameters

Components with workplace control parameters
None

8.2 Exposure controls

Engineering Controls: When using indoors, ensure adequate ventilation by using local exhaust. Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion proof.
Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.
Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.

Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.
Footwear: No specific recommendation.
Other: Emergency eyes wash fountains should be available in vicinity of use.
Control of environmental exposure
Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Viscous liquid, various colours
Odour:	Characteristic acrylic odour
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	0°C
Initial Boiling Point:	131 ºC
Flash Point:	**>**94 ºC
Evaporation Rate:	Negligible
Flammability:	Not flammable
Upper Explosion Limit:	No data
Lower Explosion Limit:	No data
Vapour Pressure:	< 0.01 @ 20ºC
Vapour Density:	No data
Relative Density:	1.15 @ 25ºC (water=1)
Solubility:	Negligible in water
Partition Coefficient:	Not available
Autoignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	No data
Explosive Properties:	Not explosive. Not expected to be sensitive to electrostatic discharge.
Oxidizing Properties:	No data

9.2 Other safety information: None

10. Stability and Reactivity

10.1 Reactivity
Product may become reactive if inhibitor is depleted.

10.2 Chemical Stability
Stable as supplied.

10.3 Possibility of hazardous reactions
High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may initiate spontaneous polymerization, generating heat and pressure. Closed containers may rupture during hazardous polymerization.

10.4 Conditions to avoid
Exposure to heat, light and moisture.

10.5 Incompatible materials
Keep away from strong oxidizers and moisture.

10.6 Hazardous decomposition products
Carbon monoxide, carbon dioxide and various oxides of nitrogen.

11. Toxicological Information

11.1 Information on toxicological effects

Note to reader: *We do NOT test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.*

Acute toxicity

Component	LD_{50}	LC_{50}
PPG-3 Glyceryl Ether Triacrylate	>2000 mg/kg (oral/rat) >2000 mg/kg (dermal/rabbit)	
Pentaerythrityl Tetramercaptopropionate	1000-2000 mg/kg (oral/rat) >2000 mg/kg (dermal/rabbit	>3363 mg/m^3

ABBREVIATION KEY: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available

Skin corrosion/irritation
Components of this mixture may cause skin irritation, H315, Category 2, Warning

Serious eye damage/eye irritation
Components of this mixture may cause eye irritation, H319, Category 2A, Warning

Respiratory or skin sensitization
Components of this mixture may cause skin sensitization, H317, Category 1, Warning

Germ cell mutagenicity
No information available

Carcinogenicity
No information available

Reproductive toxicity
No information available

Specific Target Organ Toxicity – Single exposure
No information available

Specific Target Organ Toxicity – Repeated exposure
No information available

Aspiration Hazard
No information available

Additional information
None

12. Ecological Information

12.1 Toxicity

To fish:

Pentaerythrityl Tetramercaptopropionate	LC_{50}	96H	0.42 mg/L
PPG-3 Glyceryl Ether Triacrylate	No data available		
4-Methoxyphenol	LC_{50}	96H	28.5 mg/L (Rainbow trout)

To algae:

Pentaerythrityl Tetramercaptopropionate	EC_{50}	72H	>0.12 mg/L
PPG-3 Glyceryl Ether Triacrylate	LC_{50}	72H	12.2 mg/L
4-Methoxyphenol	No data available		

To daphnia:

Pentaerythrityl Tetramercaptopropionate	EC_{50}	48H	>0.35 mg/L
4-Methoxyphenol	No data available		

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Not conducted

12.6 Other adverse effects
No data available

13. Disposal Considerations

13.1 Waste treatment methods

Product
Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.
Contaminated packaging
Dispose as above.

14. Transport Information

Transport of Dangerous Goods (TDG and CLR): Not regulated

United States Department of Transport (49CFR): Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15. Regulatory Information

CANADIAN FEDERAL REGULATIONS:
CEPA, DOMESTIC SUBSTANCES LIST: Listed
UNITED STATES – FEDERAL REGULATIONS:
TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.
CALIFORNIA Proposition 65, Safe Drinking Water and Toxicity Enforcement Act, 1986:
No ingredients listed
OSHA, 29 CFR 1910, Subpart Z: Meets criteria for a hazardous substance.
CERCLA, 40 CFR 302: No ingredients listed
SARA 302, 40 CFR 355: No ingredents listed
SARA 313, 40 CFR 372: No ingedients listed
SARA 311/312, 40 CFR 370: Immediate (Acute) Health, Delayed (Chronic) Health
Massachusetts Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)
New Jersey Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)
Pennsylvania Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)

16. Other Information

Original Preparation Date: July 8, 2025

Prepared by: Haigh Industries Inc.,
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Haigh Industries Inc.

Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Hazardous Products Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS), and the European Union Directives.

1 Product and Supplier Identification

1.1	**Product:**	**3D Gel Art Powder**
1.2	**Product Use:**	**Nail Powder**
1.3	**Producer:**	**Haigh Industries Inc.** **#5-8118 North Fraser Way** **Burnaby BC Canada** **V5J 0E5** **Telephone: (604) 278-5851**
1.4	**Supplier:**	**As above**
1.5	**Emergencies (24-hour number):**	**+1(604) 278-5851**

2 Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification: Eye Irritation: Category 2A
Skin Sensitization: Category 1

2.2 GHS Label Elements

Pictogram:

Signal Word: Warning

GHS Hazard Statements:

H317	May cause an allergic reaction.
H319	Causes serious eye irritation.

GHS Precautionary Statements:

Prevention:

P261	Avoid breathing dust/fume/gas/mist/vapours/spray

P264	Wash skin thoroughly after handling.
P265	Do not touch eyes
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see Section 4).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P317	If eye irritation persists: Get emergency medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.

Disposal:

P501	Dispose of contents/containers to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: This product contains particulate, not otherwise classified (nuisance dust).

2.4 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	No
Eye Contact:	Yes
Ingestion:	No
Inhalation:	Yes

Emergency Overview: This product contains ingredients which may cause mild eye and skin irritation in some people. For eye contact, symptoms may include a moderate burning sensation, tearing, redness, or swelling. Contact with skin may cause an allergic reaction due to prior sensitization. Local redness, rash, or itchy skin may occur in those persons with a pre-existing sensitivity or those predisposed to skin problems. In rare cases an allergic skin reaction may occur after long term contact with this product.

Effects of Short Term (Acute) Exposure:

Inhalation: Nuisance dust in high concentrations may irritate the nose, throat and lungs. Discomfort may occur when dust concentrations exceed permissible limits.

Skin Contact: Repeated or prolonged contact may cause allergic skin rashes, itching and swelling which becomes evident on re-exposure to this product.

Eye Contact: Higher concentrations of dust may irritate the eyes. May cause eye irritation or damage.

Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermatitis or aggravate existing skin problems.

Medical Conditions Aggravated by Exposure: Persons susceptible to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3 Composition

3.1 Mixture Composition

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification
Polyethylmethacrylate	9003-42-3	N/A	75-100	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317
Polymethylmethacrylate	9011-14-7	N/A	1-5	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317
Dibenzoyl Peroxide	94-36-0	202-327-6	0.1-1	Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319
Silica	112945-52-5	262-373-8	0.1-1	None assigned

4 First Aid Measures

4.1 Description of First Aid Measures

General Advice: Consult a physician. Show this safety data sheet to the physician in attendance. Move away from dangerous area. Remove contaminated clothing. Completely decontaminate clothing, shoes and leather goods before re-use or discard.

In Case of Eye Contact: Flush with water for 15 minutes, including under eyelids. Seek medical help if discomfort persists.

In Case of Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if discomfort persists.

If Inhalation: Remove to fresh air. If having breathing difficulty give oxygen. If breathing has stopped, give sritifcial respiration. Get medical help if discomfort persists.

If Ingestion: Rinse mouth out with water. Only induce vomiting if directed by a physician. Never give anything by mouth to an unconscious person. Seek prompt medical attention.

4.2 Most Important Symptoms and Effects Acute and Delayed

Effects of Short-Term (Acute) Exposure:

Inhalation: Nuisance dust in high concentrations may irritate the nose, throat and lungs. Discomfort may occur when dust concentrations exceed permissible limits.

Skin Contact: repeated or prolonged contact may cause allergic skin rashes, itching and swelling which becomes evident on re-exposure to this product.

Eye Contact: High concentrations of dust may irritate the eyes. May cause eye irritation or damage.

Ingestion: Ingestion is an unlikely route of entry. Small amounts ingested are not likely to produce any detrimental health effects.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermatitis or aggravate existing skin problems.

Medical Conditions Aggravated by Exposure: Persons susceptible to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

None.

5 Fire Fighting Measures

5.1 Extinguishing Media

Use dry chemical powder.

5.2 Special Hazards Arising from Mixture
May form explosible dust-air mixture if dispersed/

5.3 Advice for Firefighters
Avoid extinguishing methods that generate dust clouds. Water streams can disperse dust into air, producing a fire hazard and possible explosion hazard. Firefighters should wear self-contained breathing apparatus.

5.4 Further Information
Sensitivity to Impact: No

Sensitivity to Static Discharge: No

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:
HEALTH: 1
FLAMMABILITY: 1
REACTIVITY: 1

6 Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures
Respiratory Protection: Dust may be generated when cleaning up released powder. Use an N95 dust mask. In normal circumstances or use, no respiratory protection is needed. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.

Skin Protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.

Eye and Face Protection: Use safety glasses.

Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use. At minimum, an eye lavage kit should be kept on hand.

6.2 Environmental Precautions
Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and Materials for Containment and Cleanup
Remedial Measures: Wash spill area with strong detergent and water solution, rinse with minimal water, if possible.

Large Spills: Carefully sweep up spilled product in a way that will minimize dusting.

Small Spills: Carefully sweep up spilled product in a way that will minimize dusting.

6.4 Reference to Other Sections
For disposal, see section 13.

7 Handling and Storage

7.1 Precautions for Safe Handling

Handling Procedures: Observe precautions found on the label. Wash face and hands thoroughly with soap and water after handling and before eating, drinking or smoking. Avoid prolonged or repeated contact with skin. Avoid contamination. Use only with adequate ventilation.

7.2 Conditions for Safe Storage

Store in cool, dry place away from heat, sparks, flame and direct sunlight. Close container after each use. Ground all metal containers when transferring. Use explosion-proof equipment. Store away from combustibles and incompatible materials. Polymer dust is combustible, explosive limits of the polymer particles suspended in air are approximately those of coal dust.

7.3 Specific End Use(s)

No other uses except those mentioned in Section 1.2.

8 Exposure Controls and Personal Protection

8.1 Control Parameters

Components with Workplace Control Parameters:

Dibenzoyl Peroxide:	TLV-TWA: 5 mg/m^3
Silica:	TLV-TWA: 10 mg/m^3

8.2 Exposure Controls

Engineering Controls: The engineering controls listed are for use and handling of this product in bulk. Use of good local exhaust at processing equipment, including buffers, sanders, grinders and polishers. High temperature processing equipment should be well ventilated. Use explosion proof equipment. Provide ventilation if necessary to control exposure levels below airborne exposure limits.

Respiratory Protection: Dust may be generated when cleaning up released powder. Use an N95 dust mask. In normal circumstances of use, no respiratory protection is needed. Exposure must be kept at or blow the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.

Skin Protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.

Eye and Face Protection: Use safety glasses.

Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use.

Control of Environmental Exposure: Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9 Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance:	Fine white powder
Odour:	Faint odour in bulk
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	Not available
Initial Boiling Point:	Not available
Flash Point:	Closed cup: >93.3˚ (Product does not sustain combustion)
Evaporation Rate:	Not determined
Flammability:	Not available

Upper Explosion Limit:	Not available
Lower Explosion Limit:	Not available
Vapour Pressure:	Not available
Vapour Density:	Not available
Relative Density:	Not available
Solubility:	Not available
Partition Coefficient:	Not available
Autoignition Temperature:	Not available
Decomposition Temperature:	No data
Viscosity:	Not available
Explosive Properties:	No data
Oxidizing Properties:	No data
Percent Volatiles:	Not determined

9.2 Other Safety Information
None

10 Stability and Reactivity

10.1 Reactivity
No specific test data related to reactivity available for the product or its ingredeints

10.2 Chemical Stability
Stable as supplied.

10.3 Possibility of Hazardous Reactions
None known.

10.4 Conditions to Avoid
Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation.

10.5 Incompatible Materials
Strong oxidizing agents.

10.6 Hazardous Decomposition Products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological Information

11.1 Information on Toxicological Effects
Note to reader: We do not test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.

Acute Toxicity

Component	LD_{50}	LC_{50}
Dibenzoyl Peroxide	6400 mg/kg (oral/rat)	

Abbreviation Key: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available.

11.2 Skin Corrosion/Irritation
Components of this mixture may cause skin irritation.

11.3 Serious Eye Damage/Eye Irritation
Components of this mixture may cause eye irritation, H319, Category 2A, Warning

11.4 Respiratory of Skin Sensitization
Components of this mixture may cause skin sensitization, H317, Category 1, Warning

11.5 Germ Cell Mutagenicity
No known significant effects or critical hazards.

11.6 Carcinogenicity
No known significant effects or critical hazards.

11.7 Reproductive Toxicology
No known significant effects or critical hazards.

11.8 Specific Target Organ Toxicity – Single Exposure
No information available.

11.9 Specific Target Organ Toxicity – Repeated Exposure
No information available.

11.10 Aspiration Hazard
No information available.

11.11 Additional Information
None

12 Ecological Information

12.1 Toxicity

To Fish:

Dibenzoyl Peroxide	LC_{50}	96H	2 mg/L

To Algae:

Dibenzoyl Peroxide	EC_{50}	72H	0.83 mg/L

To Daphina:

Dibenzoyl Peroxide	EC_{50}	48H	0.07 mg/L

12.2 Persistence and Degradability
No data available

12.3 Bio accumulative Potential
No data available

12.4 Mobility in Soil
No data available

12.5 Results of PBT and vPvB Assessment
Not conducted

12.6 Other Adverse Effects
No known significant effects or critical hazards

13 Disposal Considerations

13.1 Waste Treatment Methods

Product: Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.

Contaminated Packaging: Dispose as above.

14 Transport Information

Transport of Dangerous Goods (TDG and CLR): Not regulated

United States Department of Transport (49CFR): Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15 Regulatory Information

15.1 CANADIAN FEDERAL REGULATIONS
CEPA, DOMESTIC SUBSTANCES LIST: Listed

15.2 UNITED STATES FEDERAL REGULATIONS
TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.

California Proposition 65: No ingredients listed.

OSHA (29 CFR 1910 Subpart Z): Meets criteria for a hazardous substance.

CERCLA (40 CFR 302): No ingredients listed.

SARA 302 (40 CFR 355): No ingredients listed.

SARA 313 (40 CFR 372): Dibenzoyl Peroxide

SARA 311/312 (40 CFR 370): Combustible dusts, Skin Sensitization – Category 1

Massachusetts Right to Know: Benzoyl Peroxide

New Jersey Right to Know: Benzoyl Peroxide; Dibenzoyl Peroxide

Pennsylvania Right to Know: Peroxide, Dibenzoyl

16 Other Information

Original Preparation Date: April 4, 2022

Prepared By: Haigh Industries Inc.
#5-8118 North Fraser Way
Burnaby BC
Canada V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and

guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Haigh Industries Inc.

Revisions: None

Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Controlled Product Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS) and the European Union Directives.

1. Product and Supplier Identification

1.1 Product: **Matte On**

1.2 Product Use: **Nail Gel**

1.3 Producer: **Haigh Industries Inc.,**
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5
Telephone: (604) 278-5851

Supplier: **As above**

1.4 Emergencies (24-hour number): +1(604) 278-5851

2. Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification:

Skin Irritation: Category 2
Skin Sensitization: Category 1
Eye Irritation: Category 2A
Long-Term Aquatic Hazard: Category 2

2.2 GHS Label Elements, including precautionary statements

Pictogram:

Signal Word: Warning

GHS Hazard Statements:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

GHS Precautionary Statements:

Prevention:

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264+P265	Wash skin thoroughly after handling. Do not touch eyes.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see Section 4).
P332+P317	IF SKIN irritation occurs: Get emergency medical help.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention
P337+P317	If eye irritation persists: Get emergency medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.

Storage:

.

Disposal:

P501	Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: None

2.4 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Ingestion:	No
Inhalation:	Yes

Emergency Overview: This product contains ingredients which may cause mild eye and skin irritation in some people. For eye contact, symptoms may include a moderate burning sensation, tearing, redness, or swelling. Contact with skin may cause an allergic reaction due to prior sensitization. Local redness, rash, or itchy skin may occur in those persons with a pre-existing sensitivity or those predisposed to skin problems. In rare cases an allergic skin reaction may occur after long term contact with this product.

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.
Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.

Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.
Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.

Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3. Composition

3.1 Mixture composition

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification
Bis-HEMA Polyneopentyl Glycol Adipate/IPDI Copolymer	82339-16-0		20-40	Skin Irritant (Category 2): H315 Eye Irritant (Category 2A): H319
Bis-HEMA Poly(1,4-Butanediol)-22/IPDI Copolymer			20-40	Skin Sensitizer (Category 1): H317
PPG-3 Glyceryl Ether Diacrylate/Adipate			10-15	Eye Irritant (Category 2A): H319
PPG-3 Glyceryl Ether Triacrylate	52408-84-1		5-10	Skin Sensitizer (Category 1B): H317 Eye Irritant (Category 2A): H319 Acute Aquatic Toxicity (Category 2): H401
Nylon-12	25038-74-8		5-10	None Assigned
Hydrated Silica	112926-00-8		2-5	None Assigned
Hydroxycyclohexyl Phenyl Ketone	947-19-3	213-426-9	0-2	None Assigned
Ethyl Trimethylbenzoyl Phenylphosphinate	84434-11-7		0-2	Skin Sensitizer (Category 1): H317 Chronic Aquatic Toxicity (Category 2): H411
Zinc Stearate	557-05-1	209-151-9	0-2	None Assigned
Silica	112945-52-5	262-373-8	0-2	None Assigned

4. First Aid Measures

4.1 Description of First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the physician in attendance. Move away from dangerous area. Remove contaminated clothing. Completely decontaminate clothing, shoes and leather goods before re-use or discard.
In case of eye contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 to 30 minutes or until the chemical is removed, while holding the eyelid(s) open. Obtain medical attention immediately or transport to a medical facility and continue to flush the eyes en route.
In case of skin contact: Wash gently and thoroughly with water and non-abrasive soap for at least 20 minutes or until chemical is removed. If signs of sensitization or irritation occur, obtain medical advice.
If inhalation: Remove source of contamination or move victim to fresh air. If breathing is difficult, give artificial respiration. If breathing is difficult oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow the victim to move about unnecessarily. Consult a physician.
If ingestion: Ingestion unlikely. Never give anything by mouth if victim is rapidly losing consciousness. Have victim rinse mouth thoroughly with water. **Do not induce vomiting**. Dilute contents of stomach with 240 to 300 ml of water. If vomiting occurs naturally have victim lean forward to reduce risk of aspiration. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.
Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.
Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.
Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.
Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.
Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of any immediate medical attention and special treatment needed
In the event of an allergic reaction, immediate medical help is required. Allergic reactions may result in various health effects including respiration.

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Dry chemical, carbon dioxide, water spray, foam, or water fog.

5.2 Special hazards arising from mixture: Carbon dioxide, carbon monoxide, oxides of nitrogen, undetermined organic compounds in acrid smoke.

5.3 Advice for firefighters: Do not enter fire area without proper protection. Fight fire from a safe distance, upwind. Use of water may be ineffective due to low solubility. If water is used, direct fine spray or fog at fire to cool and extinguish flames.

5.4 Further Information:

Sensitivity to Impact: No
Sensitivity to Static Discharge: No

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:
HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.
Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.

Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.
Footwear: No specific recommendation.
Other: Emergency eyes wash fountains should be available in vicinity of use. At minimum, an eye lavage kit should be kept on hand.

6.2 Environmental precautions

Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and materials for containment and cleanup

Remedial Measures: Wash spill area with strong detergent and water solution, rinse with minimal water, if possible.
Large Spills: For large spills, dike area and prevent leakage into waterways or sanitary sewers. Recover using spark proof equipment and store in approved vented containers for re-use or disposal.
Small Spills: Small spills may be absorbed on an inert medium such as vermiculite or clay, then sweep into vented disposal containers.

6.4 Reference to other sections

For disposal, see section 13

7. Handling and Storage

7.1 Precautions for safe handling

Handling Procedures: Wear proper protective equipment when handling this material. Only use non-sparking tools when handling this material.

7.2 Conditions for safe storage, including incompatibilities

Storage: Store indoors in a well-ventilated area where the storage temperature can be maintained between 1ºC and 38ºC. Storage above 38ºC will result in reduced product life. Store in tightly closed containers away from heat, sparks, open flame, strong oxidizers, radiation and other initiators. Prevent contamination with foreign materials, including moisture.

7.3 Specific end use(s)

No other uses except those mentioned in Section 1.2

8. Exposure Controls/Personal Protection

8.1 Control parameters

Components with workplace control parameters
Note: Silica has respiratory exposure controls, but since this component is bound into the product and are not capable of becoming airborne, exposure controls need not be listed.

8.2 Exposure controls

Engineering Controls: When using indoors, ensure adequate ventilation by using local exhaust. Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion proof.
Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face.

Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.
Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.
Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.
Footwear: No specific recommendation.
Other: Emergency eyes wash fountains should be available in vicinity of use.
Control of environmental exposure
Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Viscous cloudy liquid
Odour:	Characteristic acrylic odour
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	0°C
Initial Boiling Point:	131 ºC
Flash Point:	**>**100 ºC
Evaporation Rate:	Negligible
Flammability:	Not flammable
Upper Explosion Limit:	No data
Lower Explosion Limit:	No data
Vapour Pressure:	< 0.01 @ 20ºC
Vapour Density:	No data
Relative Density:	1.15 @ 25ºC (water=1)
Solubility:	Negligible in water
Partition Coefficient:	Not available
Autoignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	No data
Explosive Properties:	Not explosive. Not expected to be sensitive to electrostatic discharge.
Oxidizing Properties:	No data

9.2 Other safety information: None

10. Stability and Reactivity

10.1 Reactivity
Product may become reactive if inhibitor is depleted.

10.2 Chemical Stability
Stable as supplied.

10.3 Possibility of hazardous reactions
High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may initiate spontaneous polymerization, generating heat and pressure. Closed containers may rupture during hazardous polymerization.

10.4 Conditions to avoid
Exposure to heat, light and moisture.

10.5 Incompatible materials
Keep away from strong oxidizers and moisture.

10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide and various oxides of nitrogen.

11. Toxicological Information

11.1 Information on toxicological effects

Note to reader: *We do NOT test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.*

Acute toxicity

Component	LD_{50}	LC_{50}	ATEmix
Hydroxycyclohexyl Phenyl Ketone CAS No. 947-19-3 EINECS No. 213-426-9	2895 mg/kg (oral/rat)	N/av	N/ap
Ethyl Trimethylbenzoyl Phenylphosphinate CAS No. 84434-11-7	>5000 mg/kg (oral/rat) >2000 mg/kg (dermal/rat)	N/av	N/ap
Bis-HEMA Poly(1,4-Butanediol)-22/IPDI Copolymer			5052 mg/kg (oral) 5052 mg/kg (dermal)
Proprietary	>2000 mg/kg (oral/rat) >2000 mg/kg (dermal/rabbit)	>5 mg/L (4H/rat)	N/ap
Silica CAS No. 112945-52-5 EINECS No. 262-373-8	>5000 mg/kg (oral/rat) >5000 mg/kg (dermal/rabbit)	LC_0 0.139 mg/L (4H/rat)	N/ap

ABBREVIATION KEY: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available

Skin corrosion/irritation

Components of this mixture may cause skin irritation, H315, Category 2, Warning

Serious eye damage/eye irritation

Components of this mixture may cause eye irritation, H319, Category 2A, Warning

Respiratory or skin sensitization

Components of this mixture may cause skin sensitization, H317, Category 1, Warning

Germ cell mutagenicity

No information available

Carcinogenicity

No information available

Reproductive toxicity

No information available

Specific Target Organ Toxicity – Single exposure

No information available

Specific Target Organ Toxicity – Repeated exposure

No information available

Aspiration Hazard

No information available

Additional information

None

12. Ecological Information

12.1 Toxicity

To fish:

Hydrated Silica	LC_{50}	96H	>10000 mg/L (Brachydanio rerio)
Silica	LC_{50}	96H	>10000 mg/L (Brachydanio rerio)
Ethyl Trimethylbenzoyl Phenylphosphinate	LC_{50}	96H	1.89 mg/L
PPG-3 Glyceryl Ether Triacrylate	LC_{50}	96H	5.74 mg/L (Danio rerio)

To algae:

Hydrated Silica	EC_{50}	72H	>173 mg/L (Desmodesmus subspicatus)
Silica	EC_{50}	72H	>173 mg/L (Desmodesmus subspicatus)
Ethyl Trimethylbenzoyl Phenylphosphinate	EC_{50}	72H	1.01 mg/L
PPG-3 Glyceryl Ether Triacrylate	EC_{50} EC_{10}	72H 72H	12.2 mg/L (Desmodesmus subspicatus) 2.06 mg/L (Desmodesmus subspicatus)

To daphnia:

Hydrated Silica	EC_{50}	24H	>1000 mg/L
Silica	EC_{50}	24H	>1000 mg/L
Ethyl Trimethylbenzoyl Phenylphosphinate	EC_{50} EC_{10}	48H 48H	2.26 mg/L 1.55 mg/L
PPG-3 Glyceryl Ether Triacrylate	EC_{50}	48	91.4 mg/L

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Not conducted

12.6 Other adverse effects
No data available

13. Disposal Considerations

13.1 Waste treatment methods

Product
Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.
Contaminated packaging
Dispose as above.

14. Transport Information

Transport of Dangerous Goods (TDG and CLR): Not regulated

United States Department of Transport (49CFR): Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15. Regulatory Information

CANADIAN FEDERAL REGULATIONS:
CEPA, DOMESTIC SUBSTANCES LIST: Listed
UNITED STATES – FEDERAL REGULATIONS:
TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.
CALIFORNIA Proposition 65, Safe Drinking Water and Toxicity Enforcement Act, 1986:
No ingredients listed
OSHA, 29 CFR 1910, Subpart Z: Meets criteria for a hazardous substance.
CERCLA, 40 CFR 302: No ingredients listed
SARA 302, 40 CFR 355: No ingredents listed
SARA 313, 40 CFR 372: No ingedients listed
SARA 311/312, 40 CFR 370: Immediate (Acute) Health, Delayed (Chronic) Health
Massachusetts Right to Know:

New Jersey Right to Know:
Pennsylvania Right to Know:

16. Other Information

Original Preparation Date: August 14, 2023

Prepared by: Haigh Industries Inc.,
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Haigh Industries Inc.

Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Controlled Product Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS), and the European Union Directives.

1. Product and Supplier Identification

1.1 Products: **X-Bond and Luxio Naked Bases**

1.2 Product Use: **Nail Gel**

1.3 Producer: **Haigh Industries Inc.,**
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5

Telephone: (604) 278-5851

Supplier: **As above**

1.4 Emergencies (24-hour number): +1(604) 278-5851

2. Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification:

Skin Corrosion/Irritation: Category 2
Serious Eye Damage: Category 1
Skin Sensitization: Category 1
Respiratory Sensitization: Category 1
Specific Target Organ Toxicity Repeated Exposure: Category 1

GHS Label Elements, including precautionary statements

Pictogram:

Signal Word: Danger

GHS Hazard Statements:

H315	Causes skin irritation
H317	May cause an allergic reaction
H318	Causes serious eye damage
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled

H372	Causes damage to organs through prolonged or repeated exposure

GHS Precautionary Statements:

Prevention:

P233	Keep container tightly closed.
P260	Do not breathe dust/fume/gas/mist/spray.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264+P265	Wash skin thoroughly after handling. Do not touch eyes.
P271	Use outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	[In case of inadequate ventilation] Wear respiratory protection.

Response:

P302+P352	IF ON SKIN: wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable breathing.
P305+P354+P338	IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P317	Get emergency medical help.
P321	Specific treatment (see Section 4).
P333+P317	If skin irritation or rash occurs. Get medical help.
P342+P316	If experiencing respiratory symptoms. Get emergence medical help immediately
P362+P364	Take off contaminated clothing and wash it before reuse.

Storage:

P403	Store in a well ventilated place.

Disposal:

P501	Dispose of contents/container to an approved waste disposal plant.

2.2 Hazards not otherwise classified (HNOC) or not covered by GHS: None

2.4 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Ingestion:	No
Inhalation:	Yes

Emergency Overview: This product contains ingredients which may cause mild eye and skin irritation in some people. For eye contact, symptoms may include a moderate burning sensation, tearing, redness, or swelling. Contact with skin may cause an allergic reaction due to prior sensitization. Local redness, rash, or itchy skin may occur in those persons with a pre-existing sensitivity or those predisposed to skin problems. In rare cases an allergic skin reaction may occur after long term contact with this product.

Effects of Short-Term (Acute) Exposure:Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.

Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.

Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.

Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.

Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3. Composition

3.1 Mixture composition

Component	CAS No	EINECS	% (w/w)	GHS Classification
Bis-Hydroxyethyl Acrylate Poly(Neopentyl Glycol Adipate)/IPDI Copolymer	82339-15-9	N/A	60-80	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317
Hydroxypropyl Methacrylate	27813-02-1	248-666-3	25-35	Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319
Trimethylbenzoyl Ditolylphosphine Oxide	270586-78-2	433-490-9	1-3	
Bis- (Glyceryl Dimethacrylate) Pyromellitate	148019-46-9		0.5 – 1.0	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317
Glyceryl Dimethacrylate	1830-78-0		1-5	Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319 STOT-SE (Category 3): H335
Maleic Anhydride	108-31-6		1-3	Skin Corrosion/Irritation (Category 1B): H314 Eye Irritant (Category 1): H318 Skin Sensitizer (Category 1): H317 Respiratory Sensitizer (Category 1): H334 STOT-RE Respiratory (Category 1): H372
P-Hydroxyanisole (4- Methoxyphenol)	150-76-5	205-769-8	< 0.01	Acute Toxicity Oral (Category 4): H302 Eye Irritant (Category 2A): H319 Acute Aquatic Toxicity (Category 3): H402 Chronic Aquatic Toxicity (Category 3): H412
May contain the following				
Silica Silylate	68909-20-6		0.2 – 1.0	None assigned
Iron Oxide - CI 77491	1309-37-1	215-168-2	0-10	None assigned
Iron Oxide - CI 77492	51274-00-1	257-098-5	0-10	None assigned
Iron Oxide - CI 77499	12227-89-3	235-442-5	0-10	None assigned
Red 30 Lake - CI 73360	2379-74-0	219-163-6	0-10	None assigned
Red 7 Lake - CI 15850	5281-04-9	226-109-5	0-10	None assigned
Titanium Dioxide - CI 77891	13463-67-7	236-675-5	0-10	Carcinogenicity (Category 2): H351
Violet 2 - CI 60725	81-48-1	201-353-5	0-10	None assigned
Red 33 Lake - CI 17200	3567-66-6	222-656-9	0-10	None assigned

4. First Aid Measures

4.1 Description of First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the physician in attendance. Move away from dangerous area. Remove contaminated clothing. Completely decontaminate clothing, shoes and leather goods before re-use or discard.

In case of eye contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 to 30 minutes or until the chemical is removed, while holding the eyelid(s) open. Obtain medical attention immediately or transport to a medical facility and continue to flush the eyes en route.

In case of skin contact: Wash gently and thoroughly with water and non-abrasive soap for at least 20 minutes or until chemical is removed. If signs of sensitization or irritation occur, obtain medical advice.

If inhalation: Remove source of contamination or move victim to fresh air. If breathing is difficult, give artificial respiration. If breathing is difficult oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow the victim to move about unnecessarily. Consult a physician.

If ingestion: Ingestion unlikely. Never give anything by mouth if victim is rapidly losing consciousness. Have victim rinse mouth thoroughly with water. **Do not induce vomiting**. Dilute contents of stomach with 240 to 300 ml of water. If vomiting occurs naturally have victim lean forward to reduce risk of aspiration. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.

Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.

Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.

Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.

Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of any immediate medical attention and special treatment needed

In the event of an allergic reaction, immediate medical help is required. Allergic reactions may result in various health effects including respiration.

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Dry chemical, carbon dioxide, water spray, foam, or water fog.

5.2 Special hazards arising from mixture: Carbon dioxide, carbon monoxide, oxides of nitrogen, undetermined organic compounds in acrid smoke.

5.3 Advice for firefighters: Do not enter fire area without proper protection. Fight fire from a safe distance, upwind. Use of water may be ineffective due to low solubility. If water is used, direct fine spray or fog at fire to cool and extinguish flames.

5.4 Further Information:

Sensitivity to Impact: No
Sensitivity to Static Discharge: No

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:

HEALTH: 3

FLAMMABILITY: 1

REACTIVITY: 0

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.

Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.

Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.

Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use. At minimum, an eye lavage kit should be kept on hand.

6.2 Environmental precautions

Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and materials for containment and cleanup

Remedial Measures: Wash spill area with strong detergent and water solution, rinse with minimal water, if possible.

Large Spills: For large spills, dike area and prevent leakage into waterways or sanitary sewers. Recover using spark proof equipment and store in approved vented containers for re-use or disposal.

Small Spills: Small spills may be absorbed on an inert medium such as vermiculite or clay, then sweep into vented disposal containers.

6.4 Reference to other sections

For disposal, see section 13

7. Handling and Storage

7.1 Precautions for safe handling

Handling Procedures: Wear proper protective equipment when handling this material. Only use non-sparking tools when handling this material.

7.2 Conditions for safe storage, including incompatibilities

Storage: Store indoors in a well ventilated area where the storage temperature can be maintained between 1°C and 38°C. Storage above 38°C will result in reduced product life. Store in tightly closed containers away from heat, sparks, open flame, strong oxidizers, radiation and other initiators. Prevent contamination with foreign materials, including moisture.

7.3 Specific end use(s)

No other uses except those mentioned in Section 1.2

8. Exposure Controls, Personal Protection

8.1 Control parameters

Components with workplace control parameters

Note: Titanium dioxide has respiratory exposure controls, but since these components are bound into the product and are not capable of becoming airborne, exposure controls need not be listed.

8.2 Exposure controls

Engineering Controls: When using indoors, ensure adequate ventilation by using local exhaust. Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion proof.

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.

Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.

Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.

Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use.

Control of environmental exposure

Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Viscous liquid, various colours
Odour:	Characteristic acrylic odour
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	0°C
Initial Boiling Point:	131 ºC
Flash Point:	**>**96.7 ºC
Evaporation Rate:	Negligible
Flammability:	Not flammable
Upper Explosion Limit:	No data
Lower Explosion Limit:	No data
Vapour Pressure:	< 0.01 @ 20ºC
Vapour Density:	No data
Relative Density:	1.15 @ 25ºC (water=1)
Solubility:	Negligible in water
Partition Coefficient:	Not available
Autoignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	No data
Explosive Properties:	Not explosive. Not expected to be sensitive to electrostatic discharge.
Oxidizing Properties:	No data

9.2 Other safety information: None

10. Stability and Reactivity

10.1 Reactivity
Product may become reactive if inhibitor is depleted.

10.2 Chemical Stability
Stable as supplied.

10.3 Possibility of hazardous reactions
High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may initiate spontaneous polymerization, generating heat and pressure. Closed containers may rupture during hazardous polymerization.

10.4 Conditions to avoid
Exposure to heat, light and moisture.

10.5 Incompatible materials
Keep away from strong oxidizers and moisture.

10.6 Hazardous decomposition products
Carbon monoxide, carbon dioxide and various oxides of nitrogen.

11. Toxicological Information

11.1 Information on toxicological effects

Note to reader: *We do NOT test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.*

Acute toxicity

Component	LD_{50}	LC_{50}
Hydroxypropyl Methacrylate	>2000 mg/kg (oral/rat) >5000 mg/kg (dermal/rabbit)	N/av
Maleic Anhydride	1090 mg/kg (oral/rat) 2620 mg/kg (dermal/rabbit)	
Titanium Dioxide – CI 77891	>25,000 mg/kg (oral/rat) >3,000 mg/kg (dermal/rabbit)	>6820 mg/m^3

ABBREVIATION KEY: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available

Skin corrosion/irritation
Components of this mixture cause severe skin burns and eye damage, H314, Category 1, Warning

Serious eye damage/eye irritation
Components of this mixture cause serious eye damage, H318, Category 1, Warning

Respiratory or skin sensitization
Components of this mixture may cause skin sensitization, H317, Category 1, Warning
Components of this mixture may cause respiratory sensitization, H334, Category 1

Germ Cell Mutagenicity
No information available

Carcinogenicity
Not classifiable as a human carcinogen. Titanium dioxide is present in the formulation but is not in a respirable form and cannot become airborne.

Reproductive toxicity
No information available

Specific Target Organ Toxicity – Single exposure
No information available

Specific Target Organ Toxicity – Repeated exposure
Components of this mixture may cause damage to respiratory system, H372, Category 1

Aspiration Hazard
No information available

Additional information
None

12. Ecological Information

12.1 Toxicity

To fish:

Hydroxypropyl methacrylate	LC_{50}	48H	493 mg/L
4-Methoxyphenol	LC_{50}	96H	28.5 mg/L (Rainbow Trout)

To algae:

Hydroxypropyl methacrylate	EC_{50}	72H	> 97 mg/L
Maleic Anhydride	EC_{50}	72H	74.35 mg/L

To daphnia:

Hydroxypropyl methacrylate	EC_{50}	48H	> 143 mg/L
Maleic Anhydride	EC_{50}	48H	43.81 mg/L

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Not conducted

12.6 Other adverse effects
No data available

13. Disposal Considerations

13.1 Waste treatment methods

Product:

Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.

Contaminated packaging

Dispose as above.

14. Transport Information

Transport of Dangerous Goods (TDG and CLR): Not regulated

United States Department of Transport (49CFR): Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15. Regulatory Information

CANADIAN FEDERAL REGULATIONS:

CEPA, DOMESTIC SUBSTANCES LIST: Listed

UNITED STATES – FEDERAL REGULATIONS:

TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.
CALIFORNIA Proposition 65, Safe Drinking Water and Toxicity Enforcement Act, 1986:
No ingredients listed
OSHA, 29 CFR 1910, Subpart Z: Meets criteria for a hazardous substance.
CERCLA, 40 CFR 302: No ingredients listed
SARA 302, 40 CFR 355: No ingredients listed
SARA 313, 40 CFR 372: No ingredients listed
SARA 311/312, 40 CFR 370: Immediate (Acute) Health, Delayed (Chronic) Health
Massachusetts Right to Know: 4- Methoxyphenol (p- Hydroxyanisole)
New Jersey Right to Know: 4- Methoxyphenol (p- Hydroxyanisole)
Pennsylvania Right to Know: 4- Methoxyphenol (p- Hydroxyanisole)

16. Other Information

Original Preparation Date: June 26, 2025

Prepared by: Haigh Industries Inc.,
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Haigh Industries Inc.

Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Controlled Product Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS) and the European Union Directives.

1. Product and Supplier Identification

1.1 Product: **UV/LED Luxio Base**

1.2 Product Use: **Nail Gel**

1.3 Producer: **Haigh Industries Inc.,**
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5
Telephone: (604) 278-5851

Supplier: **As above**

1.4 Emergencies (24-hour number): +1(604) 278-5851

2. Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification:
Skin Irritation: Category 2
Eye Irritation: Category 2A
Skin Sensitization: Category 1

2.2 GHS Label Elements, including precautionary statements

Pictogram:

Signal Word: Warning

GHS Hazard Statements:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

GHS Precautionary Statements:

Prevention:

P261	Avoid breathing dust/fume/gas/mist/vapours/spray

P264+P265	Wash skin thoroughly after handling. Do not touch eyes.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see Section 4).
P332+P317	IF SKIN irritation occurs: Get emergency medical help.
P333+P317	If skin irritation or rash occurs: Get medical help.
P337+P317	If eye irritation persists: Get emergency medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.

Storage: **-**

Disposal:

P501	Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: None

2.4 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Ingestion:	No
Inhalation:	Yes

Emergency Overview: This product contains ingredients which may cause mild eye and skin irritation in some people. For eye contact, symptoms may include a moderate burning sensation, tearing, redness, or swelling. Contact with skin may cause an allergic reaction due to prior sensitization. Local redness, rash, or itchy skin may occur in those persons with a pre-existing sensitivity or those predisposed to skin problems. In rare cases an allergic skin reaction may occur after long term contact with this product.

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.
Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.
Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.
Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.

Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3. Composition

3.1 Mixture composition

Component	CAS No	EINECS	% (w/w)	GHS Classification
Bis-Hydroxyethyl Acrylate Poly(Neopentyl Glycol Adipate)/IPDI Copolymer	82339-15-9	N/A	55-85	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317
Hydroxypropyl Methacrylate	27813-02-1	248-666-3	7 – 15	Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319
Hydroxycyclohexyl Phenyl Ketone	947-19-3	213-426-9	1 - 3	No GHS Classification
Trimethylbenzoyl Ditolylphosphine Oxide	270586-78-2	433-490-9	1-3	
Bis- (Glyceryl Dimethacrylate) Pyromellitate	148019-46-9		0.2 – 1.0	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317
Violet 2 - CI 60725	81-48-1	201-353-5	0-10	None assigned
P-Hydroxyanisole (4-Methoxyphenol)	150-76-5	205-769-8	< 0.01	Acute Toxicity Oral (Category 4): H302 Eye Irritant (Category 2A): H319 Acute Aquatic Toxicity (Category 3): H402 Chronic Aquatic Toxicity (Category 3): H412

4. First Aid Measures

4.1 Description of First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the physician in attendance. Move away from dangerous area. Remove contaminated clothing. Completely decontaminate clothing, shoes and leather goods before re-use or discard.
In case of eye contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 to 30 minutes or until the chemical is removed, while holding the eyelid(s) open. Obtain medical attention immediately or transport to a medical facility and continue to flush the eyes en route.
In case of skin contact: Wash gently and thoroughly with water and non-abrasive soap for at least 20 minutes or until chemical is removed. If signs of sensitization or irritation occur, obtain medical advice.
If inhalation: Remove source of contamination or move victim to fresh air. If breathing is difficult, give artificial respiration. If breathing is difficult oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow the victim to move about unnecessarily. Consult a physician.
If ingestion: Ingestion unlikely. Never give anything by mouth if victim is rapidly losing consciousness. Have victim rinse mouth thoroughly with water. **Do not induce vomiting**. Dilute contents of stomach with 240 to 300 ml of water. If vomiting occurs naturally have victim lean forward to reduce risk of aspiration. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.
Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by

previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.
Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.
Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.
Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.
Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of any immediate medical attention and special treatment needed
In the event of an allergic reaction, immediate medical help is required. Allergic reactions may result in various health effects including respiration.

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Dry chemical, carbon dioxide, water spray, foam, or water fog.

5.2 Special hazards arising from mixture: Carbon dioxide, carbon monoxide, oxides of nitrogen, undetermined organic compounds in acrid smoke.

5.3 Advice for firefighters: Do not enter fire area without proper protection. Fight fire from a safe distance, upwind. Use of water may be ineffective due to low solubility. If water is used, direct fine spray or fog at fire to cool and extinguish flames.

5.4 Further Information:

Sensitivity to Impact: No
Sensitivity to Static Discharge: No

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:
HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.
Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.
Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.
Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use. At minimum, an eye lavage kit should be kept on hand.

6.2 Environmental precautions

Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and materials for containment and cleanup

Remedial Measures: Wash spill area with strong detergent and water solution, rinse with minimal water, if possible.
Large Spills: For large spills, dike area and prevent leakage into waterways or sanitary sewers. Recover using spark proof equipment and store in approved vented containers for re-use or disposal.
Small Spills: Small spills may be absorbed on an inert medium such as vermiculite or clay, then sweep into vented disposal containers.

6.4 Reference to other sections

For disposal, see section 13

7. Handling and Storage

7.1 Precautions for safe handling

Handling Procedures: Wear proper protective equipment when handling this material. Only use non-sparking tools when handling this material.

7.2 Conditions for safe storage, including incompatibilities

Storage: Store indoors in a well-ventilated area where the storage temperature can be maintained between 1°C and 38°C. Storage above 38°C will result in reduced product life. Store in tightly closed containers away from heat, sparks, open flame, strong oxidizers, radiation and other initiators. Prevent contamination with foreign materials, including moisture.

7.3 Specific end use(s)

No other uses except those mentioned in Section 1.2

8. Exposure Controls/Personal Protection

8.1 Control parameters

Components with workplace control parameters
Note: Silica and titanium dioxide have respiratory exposure controls, but since these components are bound into the product and are not capable of becoming airborne, exposure controls need not be listed.

8.2 Exposure controls

Engineering Controls: When using indoors, ensure adequate ventilation by using local exhaust. Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion proof.
Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.

Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.
Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.
Footwear: No specific recommendation.
Other: Emergency eyes wash fountains should be available in vicinity of use.
Control of environmental exposure
Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Viscous liquid
Odour:	Characteristic acrylic odour
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	0°C
Initial Boiling Point:	131 ºC
Flash Point:	**>**94 ºC
Evaporation Rate:	Negligible
Flammability:	Not flammable
Upper Explosion Limit:	No data
Lower Explosion Limit:	No data
Vapour Pressure:	< 0.01 @ 20ºC
Vapour Density:	No data
Relative Density:	1.15 @ 25ºC (water=1)
Solubility:	Negligible in water
Partition Coefficient:	Not available
Autoignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	No data
Explosive Properties:	Not explosive. Not expected to be sensitive to electrostatic discharge.
Oxidizing Properties:	No data

9.2 Other safety information: None

10. Stability and Reactivity

10.1 Reactivity
Product may become reactive if inhibitor is depleted.

10.2 Chemical Stability
Stable as supplied.

10.3 Possibility of hazardous reactions
High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may initiate spontaneous polymerization, generating heat and pressure. Closed containers may rupture during hazardous polymerization.

10.4 Conditions to avoid
Exposure to heat, light and moisture.

10.5 Incompatible materials
Keep away from strong oxidizers and moisture.

10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide and various oxides of nitrogen.

11. Toxicological Information

11.1 Information on toxicological effects

Note to reader: *We do NOT test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.*

Acute toxicity

Component	LD_{50}	LC_{50}
Hydroxypropyl Methacrylate CAS No. 27813-02-1 EINECS No. 248-666-3	>2000 mg/kg (oral/rat) >5000 mg/kg (dermal/rabbit)	N/av
Bis- (glyceryl dimethacrylate) Pyromellitate CAS No. 148019-46-9 EINECS No. None	N/av	N/av
Hydroxycyclohexyl Phenyl Ketone CAS No. 947-19-3 EINECS No. 213-426-9	2895 mg/kg (oral/rat)	N/av

ABBREVIATION KEY: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available

Skin corrosion/irritation
Components of this mixture may cause skin irritation, H315, Category 2, Warning

Serious eye damage/eye irritation
Components of this mixture may cause eye irritation, H319, Category 2A, Warning

Respiratory or skin sensitization
Components of this mixture may cause skin sensitization, H317, Category 1, Warning

Germ cell mutagenicity
No information available

Carcinogenicity
Not classifiable as a human carcinogen.

Reproductive toxicity
Components in this mixture are suspected of damaging fertility or the unborn child, H361, Category 2, Warning

Specific Target Organ Toxicity – Single exposure
No information available

Specific Target Organ Toxicity – Repeated exposure
No information available

Aspiration Hazard
No information available

Additional information
None

12. Ecological Information

12.1 Toxicity

To fish:

Bis-Hydroxyethyl Acrylate Poly(Neopentyl Glycol Adipate)/IPDI Copolymer	No data available		
Hydroxypropyl methacrylate	LC_{50}	48H	493 mg/L
4-Methoxyphenol	LC_{50}	96H	28.5 mg/L (Rainbow trout)

To algae:

Bis-Hydroxyethyl Acrylate Poly(Neopentyl Glycol Adipate)/IPDI Copolymer	No data available		
Hydroxypropyl methacrylate	EC_{50}	72H	> 97 mg/L

4-Methoxyphenol	No data available		

To daphnia:

Bis-Hydroxyethyl Acrylate Poly(Neopentyl Glycol Adipate)/IPDI Copolymer	No data available		
Hydroxypropyl methacrylate	EC_{50}	48H	> 143 mg/L
4-Methoxyphenol	No data available		

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Not conducted

12.6 Other adverse effects
No data available

13. Disposal Considerations

13.1 Waste treatment methods

Product
Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.
Contaminated packaging
Dispose as above.

14. Transport Information

Transport of Dangerous Goods (TDG and CLR): Not regulated

United States Department of Transport (49CFR): Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15. Regulatory Information

CANADIAN FEDERAL REGULATIONS:
CEPA, DOMESTIC SUBSTANCES LIST: Listed
UNITED STATES – FEDERAL REGULATIONS:
TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.
CALIFORNIA Proposition 65, Safe Drinking Water and Toxicity Enforcement Act, 1986:
No ingredients listed
OSHA, 29 CFR 1910, Subpart Z: Meets criteria for a hazardous substance.
CERCLA, 40 CFR 302: No ingredients listed
SARA 302, 40 CFR 355: No ingredents listed
SARA 313, 40 CFR 372: No ingedients listed
SARA 311/312, 40 CFR 370: Immediate (Acute) Health, Delayed (Chronic) Health
Massachusetts Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)

New Jersey Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)
Pennsylvania Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)

16. Other Information

Original Preparation Date: June 26, 2025

Prepared by: Haigh Industries Inc.,
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Haigh Industries Inc.

Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Controlled Product Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS) and the European Union Directives.

1. Product and Supplier Identification

1.1 Product: **UV/LED Luxio Build: All Shades**

1.2 Product Use: **Nail Gel**

1.3 Producer: **Haigh Industries Inc.,**
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5
Telephone: (604) 278-5851

Supplier: **As above**

1.4 Emergencies (24-hour number): +1(604) 278-5851

2. Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification:

Skin Irritation: Category 2
Eye Irritation: Category 2A
Skin Sensitization: Category 1
Specific Target Organ Toxicity-Single Exposure Respiratory: Category 3

2.2 GHS Label Elements, including precautionary statements

Pictogram:

Signal Word: Warning

GHS Hazard Statements:

H315 Causes skin irritation.

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.

GHS Precautionary Statements:

Prevention:

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264+P265	Wash skin thoroughly after handling. Do not touch eyes.
P271	Use outdoors or in a well ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: Remove person to free air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P319	Get medical help if you feel unwell.
P321	Specific treatment (see Section 4).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention
P337+P317	If eye irritation persists: Get emergency medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.

Storage:

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

Disposal:

P501	Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: None

2.4 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Ingestion:	No
Inhalation:	Yes

Emergency Overview: This product contains ingredients which may cause mild eye and skin irritation in some people. For eye contact, symptoms may include a moderate burning sensation, tearing, redness, or swelling. Contact with skin may cause an allergic reaction due to prior sensitization. Local redness, rash, or itchy skin may occur in those persons with a pre-existing sensitivity or those predisposed to skin problems. In rare cases an allergic skin reaction may occur after long term contact with this product.

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.
Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.
Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.
Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.

Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3. Composition

3.1 Mixture composition

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification
Bis-HEMA Poly(1,4-Butanediol)-14/IPDI Copolymer			20-40	Skin Irritant (Category 2): H315 Eye Irritant (Category 2A): H319 STOT-SE (Category 3): H335
Bis-Hydroxyethyl Acrylate Poly(Neopentyl Glycol Adipate)/IPDI Copolymer	82339-15-9		10-30	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317
PEG-9 Trimethylolpropane Triacrylate	28961-43-5	278-260-1	20-30	None assigned.
Hydroxypropyl Methacrylate	27813-02-1	248-666-3	10-15	Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319
Bis-HEMA Polyneopentyl Glycol Adipate/IPDI Copolymer	82339-16-0		5-10	Skin Irritant (Category 2): H315 Eye Irritant (Category 2B): H320
Trimethylolpropane Trimethacrylate	3290-92-4	221-950-4	1-10	Acute Aquatic Toxicity (Category 2): H401 Chronic Aquatic Toxicity (Category 2): H411
Trimethylbenzoyl Ditolylphosphine Oxide	270586-78-2	433-490-9	1-3	
Silica	7631-86-9	231-545-4	1-3	None assigned
P-Hydroxyanisole (4-Methoxyphenol)	150-76-5	205-769-8	< 0.01	Acute Toxicity Oral (Category 4): H302 Eye Irritant (Category 2A): H319 Acute Aquatic Toxicity (Category 3): H402 Chronic Aquatic Toxicity (Category 3): H412
May contain the following				
Blue 1 Lake - CI 42090	15792-67-3	239-897-0	0-10	None assigned
Chromium Oxide Green - CI 77288	1308-38-9	215-160-9	0-10	None assigned
Ferric Ferrocyanide - CI 77510	14038-43-8	237-875-5	0-10	None assigned
Fluorescent Brightener 230	27344-06-5	248-420-5	0-10	None assigned
Iron Oxide - CI 77491	1309-37-1	215-168-2	0-10	None assigned
Iron Oxide - CI 77492	51274-00-1	257-098-5	0-10	None assigned
Iron Oxide - CI 77499	12227-89-3	235-442-5	0-10	None assigned
Manganese Violet - CI 77742	10101-66-3	233-257-4	0-10	None assigned
Red 22 - CI 45380	17372-87-1	241-409-6	0-10	None assigned
Red 27 Lake - CI 45410	13473-26-2	282-941-9	0-10	None assigned
Red 28 - CI 45410	18472-87-2	242-355-6	0-10	None assigned

Red 30 Lake - CI 73360	2379-74-0	219-163-6	0-10	None assigned
Red 33 Lake - CI 17200	3567-66-6	222-656-9	0-10	None assigned
Red 34 - CI 15880	6417-83-0	229-142-3	0-10	None assigned
Red 36 - CI 12085	2814-77-9	220-562-2	0-10	None assigned
Red 6 - CI 15850	5858-81-1	227-497-9	0-10	None assigned
Red 7 Lake - CI 15850	5281-04-9	226-109-5	0-10	None assigned
Titanium Dioxide - CI 77891	13463-67-7	236-675-5	0-10	Carcinogenicity (Category 2): H351
Ultramarine Blue - CI 77007	57455-37-5	309-928-3	0-10	None assigned
Violet 2 - CI 60725	81-48-1	201-353-5	0-10	None assigned
Yellow 10 Lake - CI 47005	68814-04-0	285-989-9	0-10	None assigned
Yellow 5 Lake - CI 19140	12225-21-7	235-428-9	0-10	None assigned

4. First Aid Measures

4.1 Description of First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the physician in attendance. Move away from dangerous area. Remove contaminated clothing. Completely decontaminate clothing, shoes and leather goods before re-use or discard.
In case of eye contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 to 30 minutes or until the chemical is removed, while holding the eyelid(s) open. Obtain medical attention immediately or transport to a medical facility and continue to flush the eyes en route.
In case of skin contact: Wash gently and thoroughly with water and non-abrasive soap for at least 20 minutes or until chemical is removed. If signs of sensitization or irritation occur, obtain medical advice.
If inhalation: Remove source of contamination or move victim to fresh air. If breathing is difficult, give artificial respiration. If breathing is difficult oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow the victim to move about unnecessarily. Consult a physician.
If ingestion: Ingestion unlikely. Never give anything by mouth if victim is rapidly losing consciousness. Have victim rinse mouth thoroughly with water. **Do not induce vomiting**. Dilute contents of stomach with 240 to 300 ml of water. If vomiting occurs naturally have victim lean forward to reduce risk of aspiration. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.
Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.
Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.
Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.
Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.

Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of any immediate medical attention and special treatment needed
In the event of an allergic reaction, immediate medical help is required. Allergic reactions may result in various health effects including respiration.

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Dry chemical, carbon dioxide, water spray, foam, or water fog.

5.2 Special hazards arising from mixture: Carbon dioxide, carbon monoxide, oxides of nitrogen, undetermined organic compounds in acrid smoke.

5.3 Advice for firefighters: Do not enter fire area without proper protection. Fight fire from a safe distance, upwind. Use of water may be ineffective due to low solubility. If water is used, direct fine spray or fog at fire to cool and extinguish flames.

5.4 Further Information:

Sensitivity to Impact: No
Sensitivity to Static Discharge: No

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:
HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.
Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.
Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.
Footwear: No specific recommendation.
Other: Emergency eyes wash fountains should be available in vicinity of use. At minimum, an eye lavage kit should be kept on hand.

6.2 Environmental precautions
Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and materials for containment and cleanup

Remedial Measures: Wash spill area with strong detergent and water solution, rinse with minimal water, if possible.
Large Spills: For large spills, dike area and prevent leakage into waterways or sanitary sewers. Recover using spark proof equipment and store in approved vented containers for re-use or disposal.
Small Spills: Small spills may be absorbed on an inert medium such as vermiculite or clay, then sweep into vented disposal containers.

6.4 Reference to other sections
For disposal, see section 13

7. Handling and Storage

7.1 Precautions for safe handling

Handling Procedures: Wear proper protective equipment when handling this material. Only use non-sparking tools when handling this material.

7.2 Conditions for safe storage, including incompatibilities
Storage: Store indoors in a well-ventilated area where the storage temperature can be maintained between 1°C and 38°C. Storage above 38°C will result in reduced product life. Store in tightly closed containers away from heat, sparks, open flame, strong oxidizers, radiation and other initiators. Prevent contamination with foreign materials, including moisture.

7.3 Specific end use(s)

No other uses except those mentioned in Section 1.2

8. Exposure Controls/Personal Protection

8.1 Control parameters

Components with workplace control parameters
Note: Silica and titanium dioxide have respiratory exposure controls, but since these components are bound into the product and are not capable of becoming airborne, exposure controls need not be listed.

8.2 Exposure controls

Engineering Controls: When using indoors, ensure adequate ventilation by using local exhaust. Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion proof.
Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.
Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.
Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.
Footwear: No specific recommendation.
Other: Emergency eyes wash fountains should be available in vicinity of use.
Control of environmental exposure
Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Viscous liquid, various colours
Odour:	Characteristic acrylic odour
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	0°C
Initial Boiling Point:	131 ºC
Flash Point:	**>**100 ºC
Evaporation Rate:	Negligible
Flammability:	Not flammable
Upper Explosion Limit:	No data
Lower Explosion Limit:	No data
Vapour Pressure:	< 0.01 @ 20ºC
Vapour Density:	No data
Relative Density:	1.15 @ 25ºC (water=1)
Solubility:	Negligible in water
Partition Coefficient:	Not available
Autoignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	No data
Explosive Properties:	Not explosive. Not expected to be sensitive to electrostatic discharge.
Oxidizing Properties:	No data

9.2 Other safety information: None

10. Stability and Reactivity

10.1 Reactivity
Product may become reactive if inhibitor is depleted.

10.2 Chemical Stability
Stable as supplied.

10.3 Possibility of hazardous reactions
High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may initiate spontaneous polymerization, generating heat and pressure. Closed containers may rupture during hazardous polymerization.

10.4 Conditions to avoid
Exposure to heat, light and moisture.

10.5 Incompatible materials
Keep away from strong oxidizers and moisture.

10.6 Hazardous decomposition products
Carbon monoxide, carbon dioxide and various oxides of nitrogen.

11. Toxicological Information

11.1 Information on toxicological effects

Note to reader: *We do NOT test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.*

Acute toxicity

Component	LD_{50}	LC_{50}
Hydroxypropyl Methacrylate CAS No. 27813-02-1 EINECS No. 248-666-3	>2000 mg/kg (oral/rat) >5000 mg/kg (dermal/rabbit)	N/av
Titanium Dioxide – CI 77891 CAS No. 13463-67-7 EINECS No. 236-675-5	>25,000 mg/kg (oral/rat) >3,000 mg/kg (dermal/rabbit)	>6820 mg/m^3
Trimethylolpropane Trimethacrylate CAS NO. 3290-92-4 EINECS No. 221-950-4	>2,000 mg/kg (oral/rat) >2,000 mg/kg (dermal/rat)	N/av
Silica CAS No. 7631-86-9 EINECS No. 231-545-4	>5000 mg/kg (oral/rat) >2000 mg/kg (dermal/rabbit)	N/av

ABBREVIATION KEY: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available

Skin corrosion/irritation
Components of this mixture may cause skin irritation, H315, Category 2, Warning

Serious eye damage/eye irritation
Components of this mixture may cause eye irritation, H319, Category 2A, Warning

Respiratory or skin sensitization
Components of this mixture may cause skin sensitization, H317, Category 1, Warning

Germ cell mutagenicity
No information available

Carcinogenicity
Not classifiable as a human carcinogen. Titanium dioxide is present in the formulation but is not in a respirable form and cannot become airborne.

Reproductive toxicity
No information available

Specific Target Organ Toxicity – Single exposure
Inhalation - May cause respiratory irritation.

Specific Target Organ Toxicity – Repeated exposure
No information available

Aspiration Hazard
No information available

Additional information
None

12. Ecological Information

12.1 Toxicity

To fish:

Trimethylolpropane Trimethacrylate	LC_{50}	96H	2 mg/L (Rainbow trout)
Hydroxypropyl methacrylate	LC_{50}	48H	493 mg/L
4-Methoxyphenol	LC_{50}	96H	28.5 mg/L (Rainbow trout)

To algae:

Trimethylolpropane Trimethacrylate	EC_{50}	72H	1.11-3.88 mg/L
Hydroxypropyl methacrylate	EC_{50}	72H	> 97 mg/L
4-Methoxyphenol	No data available		

To daphnia:

Trimethylolpropane Trimethacrylate	EC_{50}	48H	9.22 mg/L
Hydroxypropyl methacrylate	EC_{50}	48H	> 143 mg/L
4-Methoxyphenol	No data available		

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Not conducted

12.6 Other adverse effects
No data available

13. Disposal Considerations

13.1 Waste treatment methods

Product
Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.
Contaminated packaging
Dispose as above.

14. Transport Information

Transport of Dangerous Goods (TDG and CLR): Not regulated

United States Department of Transport (49CFR): Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15. Regulatory Information

CANADIAN FEDERAL REGULATIONS:
CEPA, DOMESTIC SUBSTANCES LIST: Listed
UNITED STATES – FEDERAL REGULATIONS:
TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.
CALIFORNIA Proposition 65, Safe Drinking Water and Toxicity Enforcement Act, 1986:
No ingredients listed
OSHA, 29 CFR 1910, Subpart Z: Meets criteria for a hazardous substance.
CERCLA, 40 CFR 302: No ingredients listed
SARA 302, 40 CFR 355: No ingredents listed
SARA 313, 40 CFR 372: No ingedients listed
SARA 311/312, 40 CFR 370: Immediate (Acute) Health, Delayed (Chronic) Health
Massachusetts Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)
New Jersey Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)
Pennsylvania Right to Know: 4-Methoxyphenol (p-Hydroxyanisole), 2-Propenoic acid, 2-methyl-, 2-ethyl-2-[[(2-methyl-1-oxo-2- propenyl)oxy]methyl]-1,3-propanediyl ester (Trimethylolpropane Trimethacrylate)

16. Other Information

Original Preparation Date: August 12, 2025

Prepared by: Haigh Industries Inc.,
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Haigh Industries Inc.

Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Controlled Product Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS) and the European Union Directives.

1. Product and Supplier Identification

1.1 Product: **UV/LED Luxio Colour Gels**

1.2 Product Use: **Nail Gel**

1.3 Producer: **Haigh Industries Inc.,**
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5
Telephone: (604) 278-5851

Supplier: **As above**

1.4 Emergencies (24-hour number): +1(604) 278-5851

2. Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification:
Skin Irritation: Category 2
Eye Irritation: Category 2A
Skin Sensitization: Category 1

2.2 GHS Label Elements, including precautionary statements

Pictogram:

Signal Word: Warning

GHS Hazard Statements:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

GHS Precautionary Statements:

Prevention:

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264+P265	Wash skin thoroughly after handling. Do not touch eyes.

P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see Section 4).
P333+P317	If skin irritation or rash occurs: Get emergency medical help.
P337+P317	If eye irritation persists: Get emergency medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.

Storage:

Disposal:

P501	Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: None

2.4 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Ingestion:	No
Inhalation:	Yes

Emergency Overview: This product contains ingredients which may cause mild eye and skin irritation in some people. For eye contact, symptoms may include a moderate burning sensation, tearing, redness, or swelling. Contact with skin may cause an allergic reaction due to prior sensitization. Local redness, rash, or itchy skin may occur in those persons with a pre-existing sensitivity or those predisposed to skin problems. In rare cases an allergic skin reaction may occur after long term contact with this product.

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.
Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.
Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.
Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.

Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3. Composition

3.1 Mixture composition

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification
Bis-Hydroxyethyl Acrylate Poly(Neopentyl Glycol Adipate)/IPDI Copolymer	82339-15-9	N/A	50-80	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317
Hydroxypropyl Methacrylate	27813-02-1	248-666-3	20-40	Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319
Trimethylbenzoyl Ditolylphosphine Oxide	270586-78-2	433-490-9	1-3	
Silica Silylate	68909-20-6		0.2 – 1.0	None assigned
P-Hydroxyanisole (4- Methoxyphenol)	150-76-5	205-769-8	< 0.01	Acute Toxicity Oral (Category 4): H302 Eye Irritant (Category 2A): H319 Acute Aquatic Toxicity (Category 3): H402 Chronic Aquatic Toxicity (Category 3): H412
May contain the following				
Acrylates Copolymer	25035-69-2		0-10	None assigned
Aluminum - CI 77000	7429-90-5	231-072-3	0-10	None assigned
Aluminum Hydroxide	21645-51-2	244-492-7	0-1	None assigned
Basic Red 1:1	3068-39-1	221-326-1	0-10	None assigned
Basic Violet 11:1	73398-89-7	277-459-0	0-10	None assigned
Bis(glycidoxyphenyl) propane/Bisaminomethylnorbornane copolymer	146277-66-9		0-10	None assigned
Black 2 - CI 77266 (nano)	1333-86-4	215-609-9	0-10	None assigned
Blue 1 Lake - CI 42090	15792-67-3	239-897-0	0-10	None assigned
Calcium Aluminum Borosilicate	65997-17-3	266-046-0	0-10	None assigned
Calcium Sodium Borosilicate	65997-17-3	266-046-0	0-10	None assigned
Carmine - CI 75470	1390-65-4	215-724-4	0-10	None assigned
Chromium Oxide Green - CI 77288	1308-38-9	215-160-9	0-10	None assigned
Phthalocyanine Blue - CI 74160	147-14-8	205-685-1	0-10	None assigned
Phthalocyanine Green - CI 74260	1328-53-6	215-524-7	0-10	None assigned
Orange 5 - CI 45370	596-03-02	209-876-0	0-10	None assigned
Diethylaminomethylcoumarin	91-44-1	202-068-9	0-10	None assigned
Ext. Violet 2 - CI 60730	4430-18-6	224-618-7	0-10	None assigned
Ferric Ferrocyanide - CI 77510	14038-43-8	237-875-5	0-10	None assigned
Fluorescent Brightener 230	27344-06-5	248-420-5	0-10	None assigned
Formaldehyde/Melamine/Tosylamide Copolymer	Proprietary		0-10	None assigned
Iron Oxide - CI 77491	1309-37-1	215-168-2	0-10	None assigned
Iron Oxide - CI 77492	51274-00-1	257-098-5	0-10	None assigned
Iron Oxide - CI 77499	12227-89-3	235-442-5	0-10	None assigned
Manganese Violet - CI 77742	10101-66-3	233-257-4	0-10	None assigned
Mica	12001-26-2	310-127-6	0-10	None assigned
Norbornanediamine/Resorcinol Diglycidyl Ether Crosspolymer	2176443-64-2		0-10	None assigned
Polyethylene Terephthalate	25038-59-9		0-10	None assigned
Polypropylene	9003-07-0		0-10	None assigned
Polyurethane-11	68258-82-2		0-10	None assigned

Polyurethane-33	125826-44-0		0-10	None assigned
Red 22 - CI 45380	17372-87-1	241-409-6	0-10	None assigned
Red 27 Lake - CI 45410	13473-26-2	282-941-9	0-10	None assigned
Red 28 - CI 45410	18472-87-2	242-355-6	0-10	None assigned
Red 30 Lake - CI 73360	2379-74-0	219-163-6	0-10	None assigned
Red 33 Lake - CI 17200	3567-66-6	222-656-9	0-10	None assigned
Red 34 - CI 15880	6417-83-0	229-142-3	0-10	None assigned
Red 36 - CI 12085	2814-77-9	220-562-2	0-10	None assigned
Red 40 - CI 16035	25956-17-6	247-368-0	0-10	None assigned
Red 6 - CI 15850	5858-81-1	227-497-9	0-10	None assigned
Red 7 Lake - CI 15850	5281-04-9	226-109-5	0-10	None assigned
Silica	7631-86-9	231-545-4	0-10	None assigned
Silver - CI 77820	7440-22-4	231-131-3	0-10	None assigned
Solvent Yellow 172	68427-35-0	270-393-3	0-10	None assigned
Synthetic Fluorphlogopite	12003-38-2	234-426-5	0-10	None assigned
Tin Oxide - CI 77861	18282-10-5	242-159-0	0-1	None assigned
Titanium Dioxide - CI 77891	13463-67-7	236-675-5	0-10	Carcinogenicity (Category 2): H351
Ultramarine Blue - CI 77007	57455-37-5	309-928-3	0-10	None assigned
Violet 2 - CI 60725	81-48-1	201-353-5	0-10	None assigned
Yellow 10 Lake - CI 47005	68814-04-0	285-989-9	0-10	None assigned
Yellow 5 Lake - CI 19140	12225-21-7	235-428-9	0-10	None assigned

4. First Aid Measures

4.1 Description of First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the physician in attendance. Move away from dangerous area. Remove contaminated clothing. Completely decontaminate clothing, shoes and leather goods before re-use or discard.
In case of eye contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 to 30 minutes or until the chemical is removed, while holding the eyelid(s) open. Obtain medical attention immediately or transport to a medical facility and continue to flush the eyes en route.
In case of skin contact: Wash gently and thoroughly with water and non-abrasive soap for at least 20 minutes or until chemical is removed. If signs of sensitization or irritation occur, obtain medical advice.
If inhalation: Remove source of contamination or move victim to fresh air. If breathing is difficult, give artificial respiration. If breathing is difficult oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow the victim to move about unnecessarily. Consult a physician.
If ingestion: Ingestion unlikely. Never give anything by mouth if victim is rapidly losing consciousness. Have victim rinse mouth thoroughly with water. **Do not induce vomiting**. Dilute contents of stomach with 240 to 300 ml of water. If vomiting occurs naturally have victim lean forward to reduce risk of aspiration. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.
Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.
Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.
Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.
Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.
Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of any immediate medical attention and special treatment needed
In the event of an allergic reaction, immediate medical help is required. Allergic reactions may result in various health effects including respiration.

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Dry chemical, carbon dioxide, water spray, foam, or water fog.

5.2 Special hazards arising from mixture: Carbon dioxide, carbon monoxide, oxides of nitrogen, undetermined organic compounds in acrid smoke.

5.3 Advice for firefighters: Do not enter fire area without proper protection. Fight fire from a safe distance, upwind. Use of water may be ineffective due to low solubility. If water is used, direct fine spray or fog at fire to cool and extinguish flames.

5.4 Further Information:

Sensitivity to Impact: No
Sensitivity to Static Discharge: No

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:
HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.
Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.

Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.
Footwear: No specific recommendation.
Other: Emergency eyes wash fountains should be available in vicinity of use. At minimum, an eye lavage kit should be kept on hand.

6.2 Environmental precautions

Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and materials for containment and cleanup

Remedial Measures: Wash spill area with strong detergent and water solution, rinse with minimal water, if possible.
Large Spills: For large spills, dike area and prevent leakage into waterways or sanitary sewers. Recover using spark proof equipment and store in approved vented containers for re-use or disposal.
Small Spills: Small spills may be absorbed on an inert medium such as vermiculite or clay, then sweep into vented disposal containers.

6.4 Reference to other sections

For disposal, see section 13

7. Handling and Storage

7.1 Precautions for safe handling

Handling Procedures: Wear proper protective equipment when handling this material. Only use non-sparking tools when handling this material.

7.2 Conditions for safe storage, including incompatibilities

Storage: Store indoors in a well-ventilated area where the storage temperature can be maintained between 1°C and 38°C. Storage above 38°C will result in reduced product life. Store in tightly closed containers away from heat, sparks, open flame, strong oxidizers, radiation and other initiators. Prevent contamination with foreign materials, including moisture.

7.3 Specific end use(s)

No other uses except those mentioned in Section 1.2

8. Exposure Controls/Personal Protection

8.1 Control parameters

Components with workplace control parameters
Note: Silica and titanium dioxide have respiratory exposure controls, but since these components are bound into the product and are not capable of becoming airborne, exposure controls need not be listed.

8.2 Exposure controls

Engineering Controls: When using indoors, ensure adequate ventilation by using local exhaust. Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion proof.
Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels.

Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.
Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.
Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.
Footwear: No specific recommendation.
Other: Emergency eyes wash fountains should be available in vicinity of use.
Control of environmental exposure
Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Viscous liquid, various colours
Odour:	Characteristic acrylic odour
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	0°C
Initial Boiling Point:	131 ºC
Flash Point:	**>**94 ºC
Evaporation Rate:	Negligible
Flammability:	Not flammable
Upper Explosion Limit:	No data
Lower Explosion Limit:	No data
Vapour Pressure:	< 0.01 @ 20ºC
Vapour Density:	No data
Relative Density:	1.15 @ 25ºC (water=1)
Solubility:	Negligible in water
Partition Coefficient:	Not available
Autoignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	No data
Explosive Properties:	Not explosive. Not expected to be sensitive to electrostatic discharge.
Oxidizing Properties:	No data

9.2 Other safety information: None

10. Stability and Reactivity

10.1 Reactivity
Product may become reactive if inhibitor is depleted.

10.2 Chemical Stability
Stable as supplied.

10.3 Possibility of hazardous reactions
High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may initiate spontaneous polymerization, generating heat and pressure. Closed containers may rupture during hazardous polymerization.

10.4 Conditions to avoid
Exposure to heat, light and moisture.

10.5 Incompatible materials
Keep away from strong oxidizers and moisture.

10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide and various oxides of nitrogen.

11. Toxicological Information

11.1 Information on toxicological effects

Note to reader: *We do NOT test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.*

Acute toxicity

Component	LD_{50}	LC_{50}
Hydroxypropyl Methacrylate CAS No. 27813-02-1 EINECS No. 248-666-3	>2000 mg/kg (oral/rat) >5000 mg/kg (dermal/rabbit)	N/av
Titanium Dioxide – CI 77891 CAS No. 13463-67-7 EINECS No. 236-675-5	>25,000 mg/kg (oral/rat) >3,000 mg/kg (dermal/rabbit)	>6820 mg/m^3
Black 2 – CI 77266 CAS No. 1333-86-4 EINECS No. 215-609-9	>15,400 mg/kg (oral/rat)	N/av
Silica CAS No. 7631-86-9 EINECS No. 231-545-4	>5000 mg/kg (oral/rat) >2000 mg/kg (dermal/rabbit)	N/av
Silica Silylate CAS No. 68909-20-6	>5000 mg/kg (oral/rat)	N/av
Tin Oxide CAS No. 18282-10-10 EINECS No. 242-159-0	>20,000 mg/kg (oral/rat)	N/av
Aluminum Hydroxide CAS No. 21645-51-2	5000 mg/kg (oral/rat)	N/av

ABBREVIATION KEY: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available

Skin corrosion/irritation
Components of this mixture may cause skin irritation, H315, Category 2, Warning

Serious eye damage/eye irritation
Components of this mixture may cause eye irritation, H319, Category 2A, Warning

Respiratory or skin sensitization
Components of this mixture may cause skin sensitization, H317, Category 1, Warning

Germ cell mutagenicity
No information available

Carcinogenicity
Not classifiable as a human carcinogen. Titanium dioxide is present in the formulation but is not in a respirable form and cannot become airborne.

Reproductive toxicity
No information available

Specific Target Organ Toxicity – Single exposure
No information available

Specific Target Organ Toxicity – Repeated exposure
No information available

Aspiration Hazard
No information available

Additional information
None

12. Ecological Information

12.1 Toxicity

To fish:

Bis-Hydroxyethyl Acrylate Poly(Neopentyl Glycol Adipate)/IPDI Copolymer	No data available		
Hydroxypropyl methacrylate	LC_{50}	48H	493 mg/L
4-Methoxyphenol	LC_{50}	96H	28.5 mg/L (Rainbow trout)

To algae:

Bis-Hydroxyethyl Acrylate Poly(Neopentyl Glycol Adipate)/IPDI Copolymer	No data available		
Hydroxypropyl methacrylate	EC_{50}	72H	> 97 mg/L
4-Methoxyphenol	No data available		

To daphnia:

Bis-Hydroxyethyl Acrylate Poly(Neopentyl Glycol Adipate)/IPDI Copolymer	No data available		
Hydroxypropyl methacrylate	EC_{50}	48H	> 143 mg/L
4-Methoxyphenol	No data available		

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Not conducted

12.6 Other adverse effects
No data available

13. Disposal Considerations

13.1 Waste treatment methods

Product
Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.
Contaminated packaging
Dispose as above.

14. Transport Information

Transport of Dangerous Goods (TDG and CLR): Not regulated

United States Department of Transport (49CFR): Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15. Regulatory Information

CANADIAN FEDERAL REGULATIONS:
CEPA, DOMESTIC SUBSTANCES LIST: Listed
UNITED STATES – FEDERAL REGULATIONS:
TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.
CALIFORNIA Proposition 65, Safe Drinking Water and Toxicity Enforcement Act, 1986:
No ingredients listed
OSHA, 29 CFR 1910, Subpart Z: Meets criteria for a hazardous substance.
CERCLA, 40 CFR 302: No ingredients listed
SARA 302, 40 CFR 355: No ingredents listed

SARA 313, 40 CFR 372: No ingedients listed
SARA 311/312, 40 CFR 370: Immediate (Acute) Health, Delayed (Chronic) Health
Massachusetts Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)
New Jersey Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)
Pennsylvania Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)

16. Other Information

Original Preparation Date: August 11, 2025

Prepared by: Haigh Industries Inc.,
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Haigh Industries Inc.

Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Hazardous Products Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS), and the European Union Directives.

1 Product and Supplier Identification

1.1	**Product:**	**Luxio Gloss**
1.2	**Product Use:**	**Nail Gel**
1.3	**Producer:**	**Haigh Industries Inc.** **#5-8118 North Fraser Way** **Burnaby BC Canada** **V5J 0E5** **Telephone: (604) 278-5851**
1.4	**Supplier:**	**As above**
1.5	**Emergencies (24-hour number):**	**+1(604) 278-5851**

2 Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification:
Skin Irritation: Category 2
Eye Irritation: Category 2A
Skin Sensitization: Category 1

2.2 GHS Label Elements

Pictogram:

Signal Word: Warning

GHS Hazard Statements:

H315	Causes skin irritation.
H317	May cause an allergic reaction.
H319	Causes serious eye irritation.

GHS Precautionary Statements:

Prevention:

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash skin thoroughly after handling.
P363	Wash contaminated clothing before reuse.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P321	Specific treatment (see Section 4).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash it before reuse.

Storage:

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

Disposal:

P501	Dispose of contents/containers to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: None

2.4 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Ingestion:	No
Inhalation:	Yes

Emergency Overview: This product contains ingredients which may cause mild eye and skin irritation in some people. For eye contact, symptoms may include a moderate burning sensation, tearing, redness, or swelling. Contact with skin may cause an allergic reaction due to prior sensitization. Local redness, rash, or itchy skin may occur in those persons with a pre-existing sensitivity or those predisposed to skin problems. In rare cases an allergic skin reaction may occur after long term contact with this product.

Effects of Short Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.

Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.

Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.

Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermatitis or aggravate existing skin problems.

Medical Conditions Aggravated by Exposure: Persons susceptible to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3 Composition

3.1 Mixture Composition

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification
Di-HEMA Trimethylhexyl Dicarbamate			60-75	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319 STOT-SE (Category 3): H335
HEMA (2-Hydroxyethyl Methacrylate)	868-77-9	212-782-2	10-30	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317
Hydroxypropyl Methacrylate	27813-02-1	248-666-3	10-30	Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319
Trimethylbenzoyl Ditolylphosphine Oxide	270586-78-2	433-490-9	1-4	
Hydroxycyclohexyl Phenyl Ketone	947-19-3	213-426-9	1-2	None assigned
P-Hydroxyanisole (4-Methoxyphenol)	150-76-5	205-769-8	< 0.01	Acute Toxicity Oral (Category 4): H302 Eye Irritant (Category 2A): H319 Acute Aquatic Toxicity (Category 3): H402 Chronic Aquatic Toxicity (Category 3): H412

4 First Aid Measures

4.1 Description of First Aid Measures

General Advice: Consult a physician. Show this safety data sheet to the physician in attendance. Move away from dangerous area. Remove contaminated clothing. Completely decontaminate clothing, shoes and leather goods before re-use or discard.

In Case of Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 to 30 minutes or until the chemical is removed, while holding the eyelid(s) open. Obtain medical attention immediately or transport to a medical facility and continue to flush the eyes en route.

In Case of Skin Contact: Wash gently and thoroughly with water and non-abrasive soap for at least 20 minutes or until chemical is removed. If signs of sensitization or irritation occur, obtain medical advice.

If Inhalation: Remove source of contamination or move victim to fresh air. If breathing is difficult, give artificial respiration. If breathing is difficult oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow the victim to move about unnecessarily. Consult a physician.

If Ingestion: Ingestion unlikely. Never give anything by mouth if victim is rapidly losing consciousness. Have victim rinse mouth thoroughly with water. Do not induce vomiting. Dilute contents of stomach with 240 to 300 ml of water. If vomiting occurs naturally have victim lean forward to reduce risk of aspiration. Seek immediate medical attention.

4.2 Most Important Symptoms and Effects Acute and Delayed

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.

Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.

Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.

Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermatitis or aggravate existing skin problems.

Medical Conditions Aggravated by Exposure: Persons susceptible to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

In the event of an allergic reaction, immediate medical help is required. Allergic reactions may result in various health effects including respiration.

5 Fire Fighting Measures

5.1 Extinguishing Media

Dry chemical, carbon dioxide, water spray, foam, or water fog.

5.2 Special Hazards Arising from Mixture

Carbon dioxide, carbon monoxide, oxides of nitrogen, undetermined organic compounds in acrid smoke.

5.3 Advice for Firefighters

Do not enter fire area without proper protection. Fight fire from a safe distance, upwind. Use of water may be ineffective due to low solubility. If water is used, direct fine spray or fog at fire to cool and extinguish flames.

5.4 Further Information

Sensitivity to Impact: No

Sensitivity to Static Discharge: No

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:

HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0

6 Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.

Skin Protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.

Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to splashing or spraying liquid. Contact lenses should not be worn.

Footwear: No specific recommendation.
Other: Emergency eyes wash fountains should be available in vicinity of use. At minimum, an eye lavage kit should be kept on hand.

6.2 Environmental Precautions

Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and Materials for Containment and Cleanup

Remedial Measures: Wash spill area with strong detergent and water solution, rinse with minimal water, if possible.

Large Spills: For large spills, dike area and prevent leakage into waterways or sanitary sewers. Recover using spark proof equipment and store in approved vented containers for re-use or disposal.

Small Spills: Small spills may be absorbed on an inert medium such as vermiculite or clay, then sweep into vented disposal containers.

6.4 Reference to Other Sections

For disposal, see section 13.

7 Handling and Storage

7.1 Precautions for Safe Handling

Handling Procedures: Wear proper protective equipment when handling this material. Only use non-sparking tools when handling this material.

7.2 Conditions for Safe Storage

Store indoors in a well-ventilated area where the storage temperature can be maintained between 1oC and 38oC. Storage above 38oC will result in reduced product life. Store in tightly closed containers away from heat, sparks, open flame, strong oxidizers, radiation and other initiators. Prevent contamination with foreign materials, including moisture.

7.3 Specific End Use(s)

No other uses except those mentioned in Section 1.2.

8 Exposure Controls and Personal Protection

8.1 Control Parameters

Components with Workplace Control Parameters:

Note: Silica and titanium dioxide have respiratory exposure controls, but since these components are bound into the product and are not capable of becoming airborne, exposure controls need not be listed.

8.2 Exposure Controls

Engineering Controls: When using indoors, ensure adequate ventilation by using local exhaust. Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion proof.

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.

Skin Protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.

Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to splashing or spraying liquid. Contact lenses should not be worn.

Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use.

Control of Environmental Exposure: Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9 Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance:	Viscous liquid, various colours
Odour:	Characteristic acrylic odour
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	0°C
Initial Boiling Point:	131°C
Flash Point:	>94°C
Evaporation Rate:	Negligible
Flammability:	Not flammable
Upper Explosion Limit:	No data
Lower Explosion Limit:	No data
Vapour Pressure:	< 0.01 @ 20°C
Vapour Density:	No data
Relative Density:	1.15 @ 25°C (water=1)
Solubility:	Negligible in water
Partition Coefficient:	Not available
Autoignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	No data
Explosive Properties:	Not explosive. Not expected to be sensitive to electrostatic discharge.
Oxidizing Properties:	No data

9.2 Other Safety Information

None

10 Stability and Reactivity

10.1 Reactivity
Product may become reactive if inhibitor is depleted.

10.2 Chemical Stability
Stable as supplied.

10.3 Possibility of Hazardous Reactions
High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may initiate spontaneous polymerization, generating heat and pressure. Closed containers may rupture during hazardous polymerization.

10.4 Conditions to Avoid
Exposure to heat, light and moisture.

10.5 Incompatible Materials
Keep away from strong oxidizers and moisture.

10.6 Hazardous Decomposition Products
Carbon monoxide, carbon dioxide and various oxides of nitrogen.

11 Toxicological Information

11.1 Information on Toxicological Effects
Note to reader: We do not test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.

Acute Toxicity

Component	LD_{50}	LC_{50}
Hydroxypropyl Methacrylate CAS No. 27813-02-1 EINECS No. 248-666-3	>2000 mg/kg (oral/rat) >5000 mg/kg (dermal/rabbit)	N/av

Abbreviation Key: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available.

11.2 Skin Corrosion/Irritation
Components of this mixture may cause skin irritation, H315, Category 2, Warning

11.3 Serious Eye Damage/Eye Irritation
Components of this mixture may cause eye irritation, H319, Category 2A, Warning

11.4 Respiratory of Skin Sensitization
Components of this mixture may cause skin sensitization, H317, Category 1, Warning

11.5 Germ Cell Mutagenicity
No information available.

11.6 Carcinogenicity
No information available.

11.7 Reproductive Toxicology
No information available.

11.8 Specific Target Organ Toxicity – Single Exposure

No information available.

11.9 Specific Target Organ Toxicity – Repeated Exposure
No information available.

11.10 Aspiration Hazard
No information available.

11.11 Additional Information
None

12 Ecological Information

12.1 Toxicity
To Fish:

Hydroxypropyl methacrylate	LC_{50}	48H	493 mg/L
4-Methoxyphenol	LC_{50}	96H	28.5 mg/L (Rainbow trout)

To Algae:

Hydroxypropyl methacrylate	EC_{50}	72H	> 97 mg/L
4-Methoxyphenol	No data available		

To Daphina:

Hydroxypropyl methacrylate	EC_{50}	48H	> 143 mg/L
4-Methoxyphenol	No data available		

12.2 Persistence and Degradability
No data available

12.3 Bio accumulative Potential
No data available

12.4 Mobility in Soil
No data available

12.5 Results of PBT and vPvB Assessment
Not conducted

12.6 Other Adverse Effects
No data available

13 Disposal Considerations

13.1 Waste Treatment Methods
Product: Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.

Contaminated Packaging: Dispose as above.

14 Transport Information

Transport of Dangerous Goods (TDG and CLR): Not regulated

United States Department of Transport (49CFR): Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15 Regulatory Information

15.1 CANADIAN FEDERAL REGULATIONS
CEPA, DOMESTIC SUBSTANCES LIST: Listed

15.2 UNITED STATES FEDERAL REGULATIONS
TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.

California Proposition 65: No ingredients listed.

OSHA (29 CFR 1910 Subpart Z): Meets criteria for a hazardous substance.

CERCLA (40 CFR 302): No ingredients listed.

SARA 302 (40 CFR 355): No ingredients listed.

SARA 313 (40 CFR 372): No ingredients listed.

SARA 311/312 (40 CFR 370): Immediate (Acute) Health, Delayed (Chronic) Health

Massachusetts Right to Know: 4- Methoxyphenol (p- Hydroxyanisole)

New Jersey Right to Know: 4- Methoxyphenol (p- Hydroxyanisole)

Pennsylvania Right to Know: 4- Methoxyphenol (p- Hydroxyanisole)

16 Other Information

Original Preparation Date: November 17, 2021

Prepared By: Haigh Industries Inc.
#5-8118 North Fraser Way
Burnaby BC
Canada V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Haigh Industries Inc.

Revisions: July 8, 2025 (TPO Free)

Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Controlled Product Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS), and the European Union Directives.

1. Product and Supplier Identification

1.1 Products: **X-Bond and Luxio Naked Bases**

1.2 Product Use: **Nail Gel**

1.3 Producer: **Haigh Industries Inc.,**
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5

Telephone: (604) 278-5851

Supplier: **As above**

1.4 Emergencies (24-hour number): +1(604) 278-5851

2. Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification:

Skin Corrosion/Irritation: Category 2
Serious Eye Damage: Category 1
Skin Sensitization: Category 1
Respiratory Sensitization: Category 1
Specific Target Organ Toxicity Repeated Exposure: Category 1

GHS Label Elements, including precautionary statements

Pictogram:

Signal Word: Danger

GHS Hazard Statements:

H315	Causes skin irritation
H317	May cause an allergic reaction
H318	Causes serious eye damage
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled

H372	Causes damage to organs through prolonged or repeated exposure

GHS Precautionary Statements:

Prevention:

P233	Keep container tightly closed.
P260	Do not breathe dust/fume/gas/mist/spray.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264+P265	Wash skin thoroughly after handling. Do not touch eyes.
P271	Use outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	[In case of inadequate ventilation] Wear respiratory protection.

Response:

P302+P352	IF ON SKIN: wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable breathing.
P305+P354+P338	IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P317	Get emergency medical help.
P321	Specific treatment (see Section 4).
P333+P317	If skin irritation or rash occurs. Get medical help.
P342+P316	If experiencing respiratory symptoms. Get emergence medical help immediately
P362+P364	Take off contaminated clothing and wash it before reuse.

Storage:

P403	Store in a well ventilated place.

Disposal:

P501	Dispose of contents/container to an approved waste disposal plant.

2.2 Hazards not otherwise classified (HNOC) or not covered by GHS: None

2.4 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Ingestion:	No
Inhalation:	Yes

Emergency Overview: This product contains ingredients which may cause mild eye and skin irritation in some people. For eye contact, symptoms may include a moderate burning sensation, tearing, redness, or swelling. Contact with skin may cause an allergic reaction due to prior sensitization. Local redness, rash, or itchy skin may occur in those persons with a pre-existing sensitivity or those predisposed to skin problems. In rare cases an allergic skin reaction may occur after long term contact with this product.

Effects of Short-Term (Acute) Exposure:Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.

Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.

Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.

Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.

Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3. Composition

3.1 Mixture composition

Component	CAS No	EINECS	% (w/w)	GHS Classification
Bis-Hydroxyethyl Acrylate Poly(Neopentyl Glycol Adipate)/IPDI Copolymer	82339-15-9	N/A	60-80	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317
Hydroxypropyl Methacrylate	27813-02-1	248-666-3	25-35	Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319
Trimethylbenzoyl Ditolylphosphine Oxide	270586-78-2	433-490-9	1-3	
Bis- (Glyceryl Dimethacrylate) Pyromellitate	148019-46-9		0.5 – 1.0	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317
Glyceryl Dimethacrylate	1830-78-0		1-5	Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319 STOT-SE (Category 3): H335
Maleic Anhydride	108-31-6		1-3	Skin Corrosion/Irritation (Category 1B): H314 Eye Irritant (Category 1): H318 Skin Sensitizer (Category 1): H317 Respiratory Sensitizer (Category 1): H334 STOT-RE Respiratory (Category 1): H372
P-Hydroxyanisole (4- Methoxyphenol)	150-76-5	205-769-8	< 0.01	Acute Toxicity Oral (Category 4): H302 Eye Irritant (Category 2A): H319 Acute Aquatic Toxicity (Category 3): H402 Chronic Aquatic Toxicity (Category 3): H412
May contain the following				
Silica Silylate	68909-20-6		0.2 – 1.0	None assigned
Iron Oxide - CI 77491	1309-37-1	215-168-2	0-10	None assigned
Iron Oxide - CI 77492	51274-00-1	257-098-5	0-10	None assigned
Iron Oxide - CI 77499	12227-89-3	235-442-5	0-10	None assigned
Red 30 Lake - CI 73360	2379-74-0	219-163-6	0-10	None assigned
Red 7 Lake - CI 15850	5281-04-9	226-109-5	0-10	None assigned
Titanium Dioxide - CI 77891	13463-67-7	236-675-5	0-10	Carcinogenicity (Category 2): H351
Violet 2 - CI 60725	81-48-1	201-353-5	0-10	None assigned
Red 33 Lake - CI 17200	3567-66-6	222-656-9	0-10	None assigned

4. First Aid Measures

4.1 Description of First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the physician in attendance. Move away from dangerous area. Remove contaminated clothing. Completely decontaminate clothing, shoes and leather goods before re-use or discard.

In case of eye contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 to 30 minutes or until the chemical is removed, while holding the eyelid(s) open. Obtain medical attention immediately or transport to a medical facility and continue to flush the eyes en route.

In case of skin contact: Wash gently and thoroughly with water and non-abrasive soap for at least 20 minutes or until chemical is removed. If signs of sensitization or irritation occur, obtain medical advice.

If inhalation: Remove source of contamination or move victim to fresh air. If breathing is difficult, give artificial respiration. If breathing is difficult oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow the victim to move about unnecessarily. Consult a physician.

If ingestion: Ingestion unlikely. Never give anything by mouth if victim is rapidly losing consciousness. Have victim rinse mouth thoroughly with water. **Do not induce vomiting**. Dilute contents of stomach with 240 to 300 ml of water. If vomiting occurs naturally have victim lean forward to reduce risk of aspiration. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.

Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.

Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.

Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.

Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of any immediate medical attention and special treatment needed

In the event of an allergic reaction, immediate medical help is required. Allergic reactions may result in various health effects including respiration.

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Dry chemical, carbon dioxide, water spray, foam, or water fog.

5.2 Special hazards arising from mixture: Carbon dioxide, carbon monoxide, oxides of nitrogen, undetermined organic compounds in acrid smoke.

5.3 Advice for firefighters: Do not enter fire area without proper protection. Fight fire from a safe distance, upwind. Use of water may be ineffective due to low solubility. If water is used, direct fine spray or fog at fire to cool and extinguish flames.

5.4 Further Information:

Sensitivity to Impact: No
Sensitivity to Static Discharge: No

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:

HEALTH: 3

FLAMMABILITY: 1

REACTIVITY: 0

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.

Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.

Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.

Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use. At minimum, an eye lavage kit should be kept on hand.

6.2 Environmental precautions

Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and materials for containment and cleanup

Remedial Measures: Wash spill area with strong detergent and water solution, rinse with minimal water, if possible.

Large Spills: For large spills, dike area and prevent leakage into waterways or sanitary sewers. Recover using spark proof equipment and store in approved vented containers for re-use or disposal.

Small Spills: Small spills may be absorbed on an inert medium such as vermiculite or clay, then sweep into vented disposal containers.

6.4 Reference to other sections

For disposal, see section 13

7. Handling and Storage

7.1 Precautions for safe handling

Handling Procedures: Wear proper protective equipment when handling this material. Only use non-sparking tools when handling this material.

7.2 Conditions for safe storage, including incompatibilities

Storage: Store indoors in a well ventilated area where the storage temperature can be maintained between 1°C and 38°C. Storage above 38°C will result in reduced product life. Store in tightly closed containers away from heat, sparks, open flame, strong oxidizers, radiation and other initiators. Prevent contamination with foreign materials, including moisture.

7.3 Specific end use(s)

No other uses except those mentioned in Section 1.2

8. Exposure Controls, Personal Protection

8.1 Control parameters

Components with workplace control parameters

Note: Titanium dioxide has respiratory exposure controls, but since these components are bound into the product and are not capable of becoming airborne, exposure controls need not be listed.

8.2 Exposure controls

Engineering Controls: When using indoors, ensure adequate ventilation by using local exhaust. Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion proof.

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.

Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.

Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.

Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use.

Control of environmental exposure

Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Viscous liquid, various colours
Odour:	Characteristic acrylic odour
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	0°C
Initial Boiling Point:	131 ºC
Flash Point:	**>**96.7 ºC
Evaporation Rate:	Negligible
Flammability:	Not flammable
Upper Explosion Limit:	No data
Lower Explosion Limit:	No data
Vapour Pressure:	< 0.01 @ 20ºC
Vapour Density:	No data
Relative Density:	1.15 @ 25ºC (water=1)
Solubility:	Negligible in water
Partition Coefficient:	Not available
Autoignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	No data
Explosive Properties:	Not explosive. Not expected to be sensitive to electrostatic discharge.
Oxidizing Properties:	No data

9.2 Other safety information: None

10. Stability and Reactivity

10.1 Reactivity
Product may become reactive if inhibitor is depleted.

10.2 Chemical Stability
Stable as supplied.

10.3 Possibility of hazardous reactions
High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may initiate spontaneous polymerization, generating heat and pressure. Closed containers may rupture during hazardous polymerization.

10.4 Conditions to avoid
Exposure to heat, light and moisture.

10.5 Incompatible materials
Keep away from strong oxidizers and moisture.

10.6 Hazardous decomposition products
Carbon monoxide, carbon dioxide and various oxides of nitrogen.

11. Toxicological Information

11.1 Information on toxicological effects

Note to reader: *We do NOT test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.*

Acute toxicity

Component	LD_{50}	LC_{50}
Hydroxypropyl Methacrylate	>2000 mg/kg (oral/rat) >5000 mg/kg (dermal/rabbit)	N/av
Maleic Anhydride	1090 mg/kg (oral/rat) 2620 mg/kg (dermal/rabbit)	
Titanium Dioxide – CI 77891	>25,000 mg/kg (oral/rat) >3,000 mg/kg (dermal/rabbit)	>6820 mg/m^3

ABBREVIATION KEY: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available

Skin corrosion/irritation
Components of this mixture cause severe skin burns and eye damage, H314, Category 1, Warning

Serious eye damage/eye irritation
Components of this mixture cause serious eye damage, H318, Category 1, Warning

Respiratory or skin sensitization
Components of this mixture may cause skin sensitization, H317, Category 1, Warning
Components of this mixture may cause respiratory sensitization, H334, Category 1

Germ Cell Mutagenicity
No information available

Carcinogenicity
Not classifiable as a human carcinogen. Titanium dioxide is present in the formulation but is not in a respirable form and cannot become airborne.

Reproductive toxicity
No information available

Specific Target Organ Toxicity – Single exposure
No information available

Specific Target Organ Toxicity – Repeated exposure
Components of this mixture may cause damage to respiratory system, H372, Category 1

Aspiration Hazard
No information available

Additional information
None

12. Ecological Information

12.1 Toxicity

To fish:

Hydroxypropyl methacrylate	LC_{50}	48H	493 mg/L
4-Methoxyphenol	LC_{50}	96H	28.5 mg/L (Rainbow Trout)

To algae:

Hydroxypropyl methacrylate	EC_{50}	72H	> 97 mg/L
Maleic Anhydride	EC_{50}	72H	74.35 mg/L

To daphnia:

Hydroxypropyl methacrylate	EC_{50}	48H	> 143 mg/L
Maleic Anhydride	EC_{50}	48H	43.81 mg/L

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Not conducted

12.6 Other adverse effects
No data available

13. Disposal Considerations

13.1 Waste treatment methods

Product:

Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.

Contaminated packaging

Dispose as above.

14. Transport Information

Transport of Dangerous Goods (TDG and CLR): Not regulated

United States Department of Transport (49CFR): Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15. Regulatory Information

CANADIAN FEDERAL REGULATIONS:

CEPA, DOMESTIC SUBSTANCES LIST: Listed

UNITED STATES – FEDERAL REGULATIONS:

TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.
CALIFORNIA Proposition 65, Safe Drinking Water and Toxicity Enforcement Act, 1986:
No ingredients listed
OSHA, 29 CFR 1910, Subpart Z: Meets criteria for a hazardous substance.
CERCLA, 40 CFR 302: No ingredients listed
SARA 302, 40 CFR 355: No ingredients listed
SARA 313, 40 CFR 372: No ingredients listed
SARA 311/312, 40 CFR 370: Immediate (Acute) Health, Delayed (Chronic) Health
Massachusetts Right to Know: 4- Methoxyphenol (p- Hydroxyanisole)
New Jersey Right to Know: 4- Methoxyphenol (p- Hydroxyanisole)
Pennsylvania Right to Know: 4- Methoxyphenol (p- Hydroxyanisole)

16. Other Information

Original Preparation Date: June 26, 2025

Prepared by: Haigh Industries Inc.,
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5

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Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Controlled Product Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS), and the European Union Directives.

1. Product and Supplier Identification

1.1 Products: **UV/Pro-Formance Adhere**

1.2 Product Use: **Nail Gel**

1.3 Producer: **Haigh Industries Inc.,**
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5

Telephone: (604) 278-5851

Supplier: **As above**

1.4 Emergencies (24-hour number): +1(604) 278-5851

2. Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification:

Skin Corrosion/Irritation: Category 2
Serious Eye Damage: Category 1
Skin Sensitization: Category 1
Respiratory Sensitization: Category 1
Specific Target Organ Toxicity Repeated Exposure: Category 1
Specific Target Organ Toxicity Single Exposure: Category 3

GHS Label Elements, including precautionary statements

Pictogram:

Signal Word: Danger

GHS Hazard Statements:

H315	Causes skin irritation

H317	May cause an allergic reaction
H318	Causes serious eye damage
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H355	May cause respiratory irritation
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

GHS Precautionary Statements:

Prevention:

P233	Keep container tightly closed.
P260	Do not breathe dust/fume/gas/mist/spray.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264+P265	Wash skin thoroughly after handling. Do not touch eyes.
P270	Do not eat, drink or smoke when using this product.
P271	Use outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	[In case of inadequate ventilation] Wear respiratory protection.

Response:

P302+P352	IF ON SKIN: wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable breathing.
P305+P354+P338	IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P317	Get emergency medical help.
P319	Get medical help if you feel unwell.
P321	Specific treatment (see Section 4).
P333+P317	If skin irritation or rash occurs. Get medical help.
P342+P316	If experiencing respiratory symptoms. Get emergence medical help immediately
P362+P364	Take off contaminated clothing and wash it before reuse
P391	Collect spillage

Storage:

P403	Store in a well ventilated place.

Disposal:

P501	Dispose of contents/container to an approved waste disposal plant.

2.2 Hazards not otherwise classified (HNOC) or not covered by GHS: None

2.4 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Ingestion:	No
Inhalation:	Yes

Emergency Overview: This product contains ingredients which may cause mild eye and skin irritation in some people. For eye contact, symptoms may include a moderate burning sensation, tearing, redness, or swelling. Contact with skin may cause an allergic reaction due to prior sensitization. Local redness, rash, or itchy skin may occur in those persons with a pre-existing sensitivity or those predisposed to skin problems. In rare cases an allergic skin reaction may occur after long term contact with this product.

Effects of Short-Term (Acute) Exposure:Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur. It may also cause allergy or asthma symptoms.

Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.

Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.

Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.

Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3. Composition

3.1 Mixture composition

Component	CAS No	EINECS	% (w/w)	GHS Classification
Bis-Hydroxyethyl Acrylate Poly(Neopentyl Glycol Adipate)/IPDI Copolymer	82339-15-9	N/A	60-80	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317
Isobornyl Acrylate	5888-33-5	227-561-6	20-40	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319 STOT-SE (Category 3): H335 Acute Aquatic Toxicity (Category 1): H400 Chronic Aquatic Toxicity (Category 1): H410
Bis-HEMA PPG-7/SMDI Copolymer	66848-65-5		20-40	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317
Bis(Glyceryl Dimethacrylate) Pyromellitate	148019-46-9		5-10	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317
Glyceryl Dimethacrylate	1830-78-0	217-388-4	5-10	Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319 STOT-SE (Category 3): H335
Maleic Anhydride	108-31-6	203-571-6	1-5	Skin Corrosion/Irritation (Category 1B): H314 Eye Irritant (Category 1): H318 Skin Sensitizer (Category 1): H317 Respiratory Sensitizer (Category 1): H334 STOT-RE Respiratory (Category 1): H372
Ethyl Trimethylbenzoyl Phenylphosphinate	84434-11-7		1-3	Skin Sensitizer (Category 1): H317 Chronic Aquatic Toxicity (Category 2): H411
Hydroxycyclohexyl Phenyl Ketone	947-19-3	213-426-9	1-3	None assigned
P-Hydroxyanisole (4- Methoxyphenol)	150-76-5	205-769-8	< 0.01	Acute Toxicity Oral (Category 4): H302 Eye Irritant (Category 2A): H319 Acute Aquatic Toxicity (Category 3): H402 Chronic Aquatic Toxicity (Category 3): H412
Violet 2 - CI 60725	81-48-1	201-353-5	0-1	None assigned

4. First Aid Measures

4.1 Description of First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the physician in attendance. Move away from dangerous area. Remove contaminated clothing. Completely decontaminate clothing, shoes and leather goods before re-use or discard.

In case of eye contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 to 30 minutes or until the chemical is removed, while holding the eyelid(s) open. Obtain medical attention immediately or transport to a medical facility and continue to flush the eyes en route.

In case of skin contact: Wash gently and thoroughly with water and non-abrasive soap for at least 20 minutes or until chemical is removed. If signs of sensitization or irritation occur, obtain medical advice.

If inhalation: Remove source of contamination or move victim to fresh air. If breathing is difficult, give artificial respiration. If breathing is difficult oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow the victim to move about unnecessarily. Consult a physician.

If ingestion: Ingestion unlikely. Never give anything by mouth if victim is rapidly losing consciousness. Have victim rinse mouth thoroughly with water. **Do not induce vomiting**. Dilute contents of stomach with 240 to 300 ml of water. If vomiting occurs naturally have victim lean forward to reduce risk of aspiration. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.

Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.

Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.

Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.

Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of any immediate medical attention and special treatment needed

In the event of an allergic reaction, immediate medical help is required. Allergic reactions may result in various health effects including respiration.

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Dry chemical, carbon dioxide, water spray, foam, or water fog.

5.2 Special hazards arising from mixture: Carbon dioxide, carbon monoxide, oxides of nitrogen, undetermined organic compounds in acrid smoke.

5.3 Advice for firefighters: Do not enter fire area without proper protection. Fight fire from a safe distance, upwind. Use of water may be ineffective due to low solubility. If water is used, direct fine spray or fog at fire to cool and extinguish flames.

5.4 Further Information:

Sensitivity to Impact: No
Sensitivity to Static Discharge: No

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:

HEALTH: 3

FLAMMABILITY: 1

REACTIVITY: 0

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.

Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.

Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.

Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use. At minimum, an eye lavage kit should be kept on hand.

6.2 Environmental precautions

Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and materials for containment and cleanup

Remedial Measures: Wash spill area with strong detergent and water solution, rinse with minimal water, if possible.

Large Spills: For large spills, dike area and prevent leakage into waterways or sanitary sewers. Recover using spark proof equipment and store in approved vented containers for re-use or disposal.

Small Spills: Small spills may be absorbed on an inert medium such as vermiculite or clay, then sweep into vented disposal containers.

6.4 Reference to other sections

For disposal, see section 13

7. Handling and Storage

7.1 Precautions for safe handling

Handling Procedures: Wear proper protective equipment when handling this material. Only use non-sparking tools when handling this material.

7.2 Conditions for safe storage, including incompatibilities

Storage: Store indoors in a well ventilated area where the storage temperature can be maintained between 1°C and 38°C. Storage above 38°C will result in reduced product life. Store in tightly closed containers away from heat, sparks, open flame, strong oxidizers, radiation and other initiators. Prevent contamination with foreign materials, including moisture.

7.3 Specific end use(s)

No other uses except those mentioned in Section 1.2

8. Exposure Controls, Personal Protection

8.1 Control parameters

Components with workplace control parameters
None listed

8.2 Exposure controls

Engineering Controls: When using indoors, ensure adequate ventilation by using local exhaust. Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion proof.

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.

Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.

Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.

Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use.

Control of environmental exposure

Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Viscous liquid, various colours
Odour:	Characteristic acrylic odour
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	0°C
Initial Boiling Point:	131 ºC
Flash Point:	>96.7 ºC
Evaporation Rate:	Negligible
Flammability:	Not flammable
Upper Explosion Limit:	No data
Lower Explosion Limit:	No data
Vapour Pressure:	< 0.01 @ 20ºC
Vapour Density:	No data
Relative Density:	1.15 @ 25ºC (water=1)
Solubility:	Negligible in water
Partition Coefficient:	Not available
Autoignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	No data
Explosive Properties:	Not explosive. Not expected to be sensitive to electrostatic discharge.
Oxidizing Properties:	No data

9.2 Other safety information: None

10. Stability and Reactivity

10.1 Reactivity
Product may become reactive if inhibitor is depleted.

10.2 Chemical Stability
Stable as supplied.

10.3 Possibility of hazardous reactions
High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may initiate spontaneous polymerization, generating heat and pressure. Closed containers may rupture during hazardous polymerization.

10.4 Conditions to avoid
Exposure to heat, light and moisture.

10.5 Incompatible materials
Keep away from strong oxidizers and moisture.

10.6 Hazardous decomposition products
Carbon monoxide, carbon dioxide and various oxides of nitrogen.

11. Toxicological Information

11.1 Information on toxicological effects

Note to reader: *We do NOT test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.*

Acute toxicity

Component	LD_{50}	LC_{50}
Isobornyl Acylate CAS No. 5888-33-5 EINECS No. 227-561-6	4890 mg/kg(oral/rat) >5000 mg/kg) (dermal/rabbit)	N/av
Maleic Anhydride CAS No. 108-31-6 EINECS No. 203-571-6	1090 mg/kg (oral/rat) 2620 mg/kg (dermal/rabbit)	
Ethyl Trimethylbenzoyl Phenylphosphinate CAS No. 84434-11-7	>5000 mg/kg (oral/rat) >2000 mg/kg (dermal/rat)	N/av
Hydroxycyclohexyl Phenyl Ketone CAS No. 947-19-3 EINECS No. 213-426-9	2895 mg/kg (oral/rat)	N/av

ABBREVIATION KEY: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available

Skin corrosion/irritation
Components of this mixture cause severe skin burns and eye damage, H314, Category 1, Warning

Serious eye damage/eye irritation
Components of this mixture cause serious eye damage, H318, Category 1, Warning

Respiratory or skin sensitization
Components of this mixture may cause skin sensitization, H317, Category 1, Warning
Components of this mixture may cause respiratory sensitization, H334, Category 1

Germ Cell Mutagenicity
No information available

Carcinogenicity
Not classifiable as a human carcinogen.

Reproductive toxicity
No information available

Specific Target Organ Toxicity – Single exposure
Components of this mixture may cause respiratory irritation, H355, Category 3

Specific Target Organ Toxicity – Repeated exposure
Components of this mixture may cause damage to respiratory system, H372, Category 1

Aspiration Hazard
No information available

Additional information
None

12. Ecological Information

12.1 Toxicity

To fish:

Isobornyl Acylate	LC_{50}	96H	0.704 mg/L
Ethyl Trimethylbenzoyl Phenylphosphinate	LC_{50}	96H	1.89 mg/L
Maleic Anhydride	No data available		

To algae:

Isobornyl Acylate	EC_{50}	72H	1.98 mg/L

Ethyl Trimethylbenzoyl Phenylphosphinate	EC_{50}	72H	1.01 mg/L
Maleic Anhydride	EC_{50}	72H	74.35 mg/L

To daphnia:

Isobornyl Acylate	No data available		
Ethyl Trimethylbenzoyl Phenylphosphinate	EC_{50}	48H	2.26 mg/L
Maleic Anhydride	EC_{50}	48H	42.81 mg/L

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Not conducted

12.6 Other adverse effects
No data available

13. Disposal Considerations

13.1 Waste treatment methods

Product:

Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.

Contaminated packaging

Dispose as above.

14. Transport Information

Transport of Dangerous Goods (TDG and CLR): UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Isobornyl Acylate), Class 9, PG III
United States Department of Transport (49CFR): UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Isobornyl Acylate), Class 9, PG III
International Air Transport Association (IATA): UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Isobornyl Acylate), Class 9, PG III
Note: The environmentally hazardous substance mark must appear on packagings holding more than 5 litres of the material.
International Maritime Organization (IMO): UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Isobornyl Acylate), Class 9, PG III
Note: May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass. The environmentally hazardous substance mark must appear on packagings holding more than 5 litres of the material.

15. Regulatory Information

CANADIAN FEDERAL REGULATIONS:

CEPA, DOMESTIC SUBSTANCES LIST: Listed

UNITED STATES – FEDERAL REGULATIONS:

TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.

CALIFORNIA Proposition 65, Safe Drinking Water and Toxicity Enforcement Act, 1986:
No ingredients listed

OSHA, 29 CFR 1910, Subpart Z: Meets criteria for a hazardous substance.

CERCLA, 40 CFR 302: No ingredients listed

SARA 302, 40 CFR 355: No ingredients listed

SARA 313, 40 CFR 372: No ingredients listed

SARA 311/312, 40 CFR 370: Immediate (Acute) Health, Delayed (Chronic) Health

Massachusetts Right to Know: 4- Methoxyphenol (p- Hydroxyanisole)

New Jersey Right to Know: 4- Methoxyphenol (p- Hydroxyanisole)

Pennsylvania Right to Know: 4- Methoxyphenol (p- Hydroxyanisole)

16. Other Information

Original Preparation Date: August 12, 2025

Prepared by: Haigh Industries Inc.,
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Haigh Industries Inc.

Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Controlled Product Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS) and the European Union Directives.

1. Product and Supplier Identification

1.1 Product: **UV/LED Pro-Formance Balance: All Shades**

1.2 Product Use: **Nail Gel**

1.3 Producer: **Haigh Industries Inc.,**
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5
Telephone: (604) 278-5851

Supplier: **As above**

1.4 Emergencies (24-hour number): +1(604) 278-5851

2. Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification:
Skin Irritation: Category 2
Eye Irritation: Category 2A
Skin Sensitization: Category 1

2.2 GHS Label Elements, including precautionary statements

Pictogram:

Signal Word: Warning

GHS Hazard Statements:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

GHS Precautionary Statements:

Prevention:

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264+P265	Wash skin thoroughly after handling. Do not touch eyes.

P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see Section 4).
P332+P317	IF SKIN irritation occurs: Get emergency medical help.
P333+P317	If skin irritation or rash occurs: Get medical help.
P337+P317	If eye irritation persists: Get emergency medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.

Storage: **-**

Disposal:

P501	Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: None

2.4 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Ingestion:	No
Inhalation:	Yes

Emergency Overview: This product contains ingredients which may cause mild eye and skin irritation in some people. For eye contact, symptoms may include a moderate burning sensation, tearing, redness, or swelling. Contact with skin may cause an allergic reaction due to prior sensitization. Local redness, rash, or itchy skin may occur in those persons with a pre-existing sensitivity or those predisposed to skin problems. In rare cases an allergic skin reaction may occur after long term contact with this product.

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.
Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.
Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.
Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.

Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3. Composition

3.1 Mixture composition

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification
Bis-HEMA Polyneopentyl Glycol Adipate/IPDI Copolymer	82339-16-0		60-80	Skin Irritant (Category 2): H315 Eye Irritant (Category 2B): H320
Trimethylolpropane Trimethacrylate	3290-92-4	221-950-4	10-20	Acute Aquatic Toxicity (Category 2): H401 Chronic Aquatic Toxicity (Category 2): H411
Hydroxypropyl Methacrylate	27813-02-1	248-666-3	10-20	Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319
Hydroxyethyl Acrylate/IPDI/PPG-15 Glyceryl Ether Copolymer			10-20	Eye Irritant (Category 2B): H320
Silica	7631-86-9	231-545-4	1-3	None assigned
P-Hydroxyanisole (4- Methoxyphenol)	150-76-5	205-769-8	< 0.01	Acute Toxicity Oral (Category 4): H302 Eye Irritant (Category 2A): H319 Acute Aquatic Toxicity (Category 3): H402 Chronic Aquatic Toxicity (Category 3): H412
May contain the following				
Ethyl Trimethylbenzoyl Phenylphosphinate	84434-11-7		1-3	Skin Sensitizer (Category 1): H317 Chronic Aquatic Toxicity (Category 2): H411
Methyl Benzoylformate	15206-55-0	239-263-3	1-3	Skin Sensitizer (Category 1): H317
Iron Oxide - CI 77491	1309-37-1	215-168-2	0-10	None assigned
Iron Oxide - CI 77492	51274-00-1	257-098-5	0-10	None assigned
Iron Oxide - CI 77499	12227-89-3	235-442-5	0-10	None assigned
Manganese Violet - CI 77742	10101-66-3	233-257-4	0-10	None assigned
Red 22 - CI 45380	17372-87-1	241-409-6	0-10	None assigned
Red 28 - CI 45410	18472-87-2	242-355-6	0-10	None assigned
Red 30 Lake - CI 73360	2379-74-0	219-163-6	0-10	None assigned
Red 33 Lake - CI 17200	3567-66-6	222-656-9	0-10	None assigned
Red 36 - CI 12085	2814-77-9	220-562-2	0-10	None assigned
Red 6 - CI 15850	5858-81-1	227-497-9	0-10	None assigned
Red 7 Lake - CI 15850	5281-04-9	226-109-5	0-10	None assigned
Titanium Dioxide - CI 77891	13463-67-7	236-675-5	0-10	Carcinogenicity (Category 2): H351
Ultramarine Blue - CI 77007	57455-37-5	309-928-3	0-10	None assigned
Violet 2 - CI 60725	81-48-1	201-353-5	0-10	None assigned
Yellow 10 Lake - CI 47005	68814-04-0	285-989-9	0-10	None assigned
Yellow 5 Lake - CI 19140	12225-21-7	235-428-9	0-10	None assigned

4. First Aid Measures

4.1 Description of First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the physician in attendance. Move away from dangerous area. Remove contaminated clothing. Completely decontaminate clothing, shoes and leather goods before re-use or discard.
In case of eye contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 to 30 minutes or until the chemical is removed, while holding the eyelid(s) open. Obtain medical attention immediately or transport to a medical facility and continue to flush the eyes en route.
In case of skin contact: Wash gently and thoroughly with water and non-abrasive soap for at least 20 minutes or until chemical is removed. If signs of sensitization or irritation occur, obtain medical advice.

If inhalation: Remove source of contamination or move victim to fresh air. If breathing is difficult, give artificial respiration. If breathing is difficult oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow the victim to move about unnecessarily. Consult a physician.
If ingestion: Ingestion unlikely. Never give anything by mouth if victim is rapidly losing consciousness. Have victim rinse mouth thoroughly with water. **Do not induce vomiting**. Dilute contents of stomach with 240 to 300 ml of water. If vomiting occurs naturally have victim lean forward to reduce risk of aspiration. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.
Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.
Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.
Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.
Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.
Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of any immediate medical attention and special treatment needed
In the event of an allergic reaction, immediate medical help is required. Allergic reactions may result in various health effects including respiration.

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Dry chemical, carbon dioxide, water spray, foam, or water fog.

5.2 Special hazards arising from mixture: Carbon dioxide, carbon monoxide, oxides of nitrogen, undetermined organic compounds in acrid smoke.

5.3 Advice for firefighters: Do not enter fire area without proper protection. Fight fire from a safe distance, upwind. Use of water may be ineffective due to low solubility. If water is used, direct fine spray or fog at fire to cool and extinguish flames.

5.4 Further Information:

Sensitivity to Impact: No
Sensitivity to Static Discharge: No

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:
HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.
Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.
Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.
Footwear: No specific recommendation.
Other: Emergency eyes wash fountains should be available in vicinity of use. At minimum, an eye lavage kit should be kept on hand.

6.2 Environmental precautions

Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and materials for containment and cleanup

Remedial Measures: Wash spill area with strong detergent and water solution, rinse with minimal water, if possible.
Large Spills: For large spills, dike area and prevent leakage into waterways or sanitary sewers. Recover using spark proof equipment and store in approved vented containers for re-use or disposal.
Small Spills: Small spills may be absorbed on an inert medium such as vermiculite or clay, then sweep into vented disposal containers.

6.4 Reference to other sections

For disposal, see section 13

7. Handling and Storage

7.1 Precautions for safe handling

Handling Procedures: Wear proper protective equipment when handling this material. Only use non-sparking tools when handling this material.

7.2 Conditions for safe storage, including incompatibilities

Storage: Store indoors in a well-ventilated area where the storage temperature can be maintained between 1ºC and 38ºC. Storage above 38ºC will result in reduced product life. Store in tightly closed containers away from heat, sparks, open flame, strong oxidizers, radiation and other initiators. Prevent contamination with foreign materials, including moisture.

7.3 Specific end use(s)

No other uses except those mentioned in Section 1.2

8. Exposure Controls/Personal Protection

8.1 Control parameters

Components with workplace control parameters

Note: Silica and titanium dioxide have respiratory exposure controls, but since these components are bound into the product and are not capable of becoming airborne, exposure controls need not be listed.

8.2 Exposure controls

Engineering Controls: When using indoors, ensure adequate ventilation by using local exhaust. Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion proof.
Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.
Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.
Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.
Footwear: No specific recommendation.
Other: Emergency eyes wash fountains should be available in vicinity of use.
Control of environmental exposure
Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Viscous liquid, various colours
Odour:	Characteristic acrylic odour
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	0°C
Initial Boiling Point:	Not available
Flash Point:	**>**100 ºC
Evaporation Rate:	Negligible
Flammability:	Not flammable
Upper Explosion Limit:	No data
Lower Explosion Limit:	No data
Vapour Pressure:	< 0.01 @ 20ºC
Vapour Density:	No data
Relative Density:	1.15 @ 25ºC (water=1)
Solubility:	Negligible in water
Partition Coefficient:	Not available
Autoignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	No data
Explosive Properties:	Not explosive. Not expected to be sensitive to electrostatic discharge.
Oxidizing Properties:	No data

9.2 Other safety information: None

10. Stability and Reactivity

10.1 Reactivity
Product may become reactive if inhibitor is depleted.

10.2 Chemical Stability
Stable as supplied.

10.3 Possibility of hazardous reactions
High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may initiate spontaneous polymerization, generating heat and pressure. Closed containers may rupture during hazardous polymerization.

10.4 Conditions to avoid
Exposure to heat, light and moisture.

10.5 Incompatible materials
Keep away from strong oxidizers and moisture.

10.6 Hazardous decomposition products
Carbon monoxide, carbon dioxide and various oxides of nitrogen.

11. Toxicological Information

11.1 Information on toxicological effects

Note to reader: *We do NOT test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.*

Acute toxicity

Component	LD_{50}	LC_{50}
Hydroxypropyl Methacrylate CAS No. 27813-02-1 EINECS No. 248-666-3	>2000 mg/kg (oral/rat) >5000 mg/kg (dermal/rabbit)	N/av
Titanium Dioxide – CI 77891 CAS No. 13463-67-7 EINECS No. 236-675-5	>25,000 mg/kg (oral/rat) >3,000 mg/kg (dermal/rabbit)	>6820 mg/m^3
Trimethylolpropane Trimethacrylate CAS NO. 3290-92-4 EINECS No. 221-950-4	>2,000 mg/kg (oral/rat) >2,000 mg/kg (dermal/rat)	N/av
Silica CAS No. 7631-86-9 EINECS No. 231-545-4	>5000 mg/kg (oral/rat) >2000 mg/kg (dermal/rabbit)	N/av
Methyl benzoylformate CAS NO: 15206-55-0 EINECS No: 239-263-3	>5000 mg/kg (oral/rat) >2000 mg/kg (dermal/rat)	>10.6 mg/L
Hydroxyethyl Acrylate/IPDI/PPG-15 Glyceryl Ether Copolymer	>2,000 mg/kg (oral/rat) >2,000 mg/kg (dermal/rat)	>5 mg/L
Ethyl Trimethylbenzoyl Phenylphosphinate CAS No. 84434-11-7	>5000 mg/kg (oral/rat) >2000 mg/kg (dermal/rat)	N/av

ABBREVIATION KEY: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available

Skin corrosion/irritation
Components of this mixture may cause skin irritation, H315, Category 2, Warning

Serious eye damage/eye irritation
Components of this mixture may cause eye irritation, H319, Category 2A, Warning

Respiratory or skin sensitization
Components of this mixture may cause skin sensitization, H317, Category 1, Warning

Germ cell mutagenicity
No information available

Carcinogenicity
Not classifiable as a human carcinogen. Titanium dioxide is present in the formulation but is not in a respirable form and cannot become airborne.

Reproductive toxicity
No information available

Specific Target Organ Toxicity – Single exposure
No information available

Specific Target Organ Toxicity – Repeated exposure

No information available
Aspiration Hazard
No information available
Additional information
None

12. Ecological Information

12.1 Toxicity
To fish:

Trimethylolpropane Trimethacrylate	LC_{50}	96H	2 mg/L (Rainbow trout)
Hydroxypropyl methacrylate	LC_{50}	48H	493 mg/L
4-Methoxyphenol	LC_{50}	96H	28.5 mg/L (Rainbow trout)
Ethyl Trimethylbenzoyl Phenylphosphinate	LC_{50}	96H	1.89 mg/L

To algae:

Trimethylolpropane Trimethacrylate	EC_{50}	72H	1.11-3.88 mg/L
Hydroxypropyl methacrylate	EC_{50}	72H	> 97 mg/L
4-Methoxyphenol	No data available		
Ethyl Trimethylbenzoyl Phenylphosphinate	EC_{50}	72H	1.01 mg/L

To daphnia:

Trimethylolpropane Trimethacrylate	EC_{50}	48H	9.22 mg/L
Hydroxypropyl methacrylate	EC_{50}	48H	> 143 mg/L
4-Methoxyphenol	No data available		
Ethyl Trimethylbenzoyl Phenylphosphinate	EC_{50}	48H	2.26 mg/L

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Not conducted

12.6 Other adverse effects
No data available

13. Disposal Considerations

13.1 Waste treatment methods

Product
Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.
Contaminated packaging
Dispose as above.

14. Transport Information

Transport of Dangerous Goods (TDG and CLR): Not regulated

United States Department of Transport (49CFR): Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15. Regulatory Information

CANADIAN FEDERAL REGULATIONS:
CEPA, DOMESTIC SUBSTANCES LIST: Listed
UNITED STATES – FEDERAL REGULATIONS:
TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.
CALIFORNIA Proposition 65, Safe Drinking Water and Toxicity Enforcement Act, 1986: No ingredients listed
OSHA, 29 CFR 1910, Subpart Z: Meets criteria for a hazardous substance.
CERCLA, 40 CFR 302: No ingredients listed
SARA 302, 40 CFR 355: No ingredents listed
SARA 313, 40 CFR 372: No ingedients listed
SARA 311/312, 40 CFR 370: Immediate (Acute) Health, Delayed (Chronic) Health
Massachusetts Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)
New Jersey Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)
Pennsylvania Right to Know: 4-Methoxyphenol (p-Hydroxyanisole), 2-Propenoic acid, 2-methyl-, 2-ethyl-2-[[(2-methyl-1-oxo-2- propenyl)oxy]methyl]-1,3-propanediyl ester (Trimethylolpropane Trimethacrylate)

16. Other Information

Original Preparation Date: June 10, 2025

Prepared by: Haigh Industries Inc.,
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Haigh Industries Inc.

Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Controlled Product Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS) and the European Union Directives.

1. Product and Supplier Identification

1.1 Product: **UV/LED Pro-Formance Control: All Shades**

1.2 Product Use: **Nail Gel**

1.3 Producer: **Haigh Industries Inc.,**
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5
Telephone: (604) 278-5851

Supplier: **As above**

1.4 Emergencies (24-hour number): +1(604) 278-5851

2. Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification:
Skin Irritation: Category 2
Eye Irritation: Category 2A
Skin Sensitization: Category 1

2.2 GHS Label Elements, including precautionary statements

Pictogram:

Signal Word: Warning

GHS Hazard Statements:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

GHS Precautionary Statements:

Prevention:

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264+P265	Wash skin thoroughly after handling. Do not touch eyes.

P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
Response:	
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see Section 4).
P332+P317	IF SKIN irritation occurs: Get emergency medical help.
P333+P317	If skin irritation or rash occurs: Get medical help.
P337+P317	If eye irritation persists: Get emergency medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.
Storage:	**-**
Disposal:	
P501	Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: None

2.4 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Ingestion:	No
Inhalation:	Yes

Emergency Overview: This product contains ingredients which may cause mild eye and skin irritation in some people. For eye contact, symptoms may include a moderate burning sensation, tearing, redness, or swelling. Contact with skin may cause an allergic reaction due to prior sensitization. Local redness, rash, or itchy skin may occur in those persons with a pre-existing sensitivity or those predisposed to skin problems. In rare cases an allergic skin reaction may occur after long term contact with this product.

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.
Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.
Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.
Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.

Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3. Composition

3.1 Mixture composition

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification
Bis-HEMA Polyneopentyl Glycol Adipate/IPDI Copolymer	82339-16-0		30-50	Skin Irritant (Category 2): H315 Eye Irritant (Category 2B): H320
Hydroxyethyl Acrylate/IPDI/PPG-15 Glyceryl Ether Copolymer			30-50	Eye Irritant (Category 2B): H320
Trimethylolpropane Trimethacrylate	3290-92-4	221-950-4	10-20	Acute Aquatic Toxicity (Category 2): H401 Chronic Aquatic Toxicity (Category 2): H411
Hydroxypropyl Methacrylate	27813-02-1	248-666-3	5-10	Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319
Methyl Benzoylformate	15206-55-0	239-263-3	1-3	Skin Sensitizer (Category 1): H317
Silica	7631-86-9	231-545-4	1-3	None assigned
P-Hydroxyanisole (4- Methoxyphenol)	150-76-5	205-769-8	< 0.01	Acute Toxicity Oral (Category 4): H302 Eye Irritant (Category 2A): H319 Acute Aquatic Toxicity (Category 3): H402 Chronic Aquatic Toxicity (Category 3): H412
Titanium Dioxide - CI 77891	13463-67-7	236-675-5	0-10	Carcinogenicity (Category 2): H351

4. First Aid Measures

4.1 Description of First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the physician in attendance. Move away from dangerous area. Remove contaminated clothing. Completely decontaminate clothing, shoes and leather goods before re-use or discard.
In case of eye contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 to 30 minutes or until the chemical is removed, while holding the eyelid(s) open. Obtain medical attention immediately or transport to a medical facility and continue to flush the eyes en route.
In case of skin contact: Wash gently and thoroughly with water and non-abrasive soap for at least 20 minutes or until chemical is removed. If signs of sensitization or irritation occur, obtain medical advice.
If inhalation: Remove source of contamination or move victim to fresh air. If breathing is difficult, give artificial respiration. If breathing is difficult oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow the victim to move about unnecessarily. Consult a physician.
If ingestion: Ingestion unlikely. Never give anything by mouth if victim is rapidly losing consciousness. Have victim rinse mouth thoroughly with water. **Do not induce vomiting**. Dilute contents of stomach with 240 to 300 ml of water. If vomiting occurs naturally have victim lean forward to reduce risk of aspiration. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.
Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.
Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.
Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.
Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or

repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.
Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of any immediate medical attention and special treatment needed
In the event of an allergic reaction, immediate medical help is required. Allergic reactions may result in various health effects including respiration.

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Dry chemical, carbon dioxide, water spray, foam, or water fog.

5.2 Special hazards arising from mixture: Carbon dioxide, carbon monoxide, oxides of nitrogen, undetermined organic compounds in acrid smoke.

5.3 Advice for firefighters: Do not enter fire area without proper protection. Fight fire from a safe distance, upwind. Use of water may be ineffective due to low solubility. If water is used, direct fine spray or fog at fire to cool and extinguish flames.

5.4 Further Information:

Sensitivity to Impact: No
Sensitivity to Static Discharge: No

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:
HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.
Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.
Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.
Footwear: No specific recommendation.
Other: Emergency eyes wash fountains should be available in vicinity of use. At minimum, an eye lavage kit should be kept on hand.

6.2 Environmental precautions
Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and materials for containment and cleanup

Remedial Measures: Wash spill area with strong detergent and water solution, rinse with minimal water, if possible.
Large Spills: For large spills, dike area and prevent leakage into waterways or sanitary sewers. Recover using spark proof equipment and store in approved vented containers for re-use or disposal.
Small Spills: Small spills may be absorbed on an inert medium such as vermiculite or clay, then sweep into vented disposal containers.

6.4 Reference to other sections
For disposal, see section 13

7. Handling and Storage

7.1 Precautions for safe handling

Handling Procedures: Wear proper protective equipment when handling this material. Only use non-sparking tools when handling this material.

7.2 Conditions for safe storage, including incompatibilities
Storage: Store indoors in a well-ventilated area where the storage temperature can be maintained between 1°C and 38°C. Storage above 38°C will result in reduced product life. Store in tightly closed containers away from heat, sparks, open flame, strong oxidizers, radiation and other initiators. Prevent contamination with foreign materials, including moisture.

7.3 Specific end use(s)

No other uses except those mentioned in Section 1.2

8. Exposure Controls/Personal Protection

8.1 Control parameters

Components with workplace control parameters
Note: Silica and titanium dioxide have respiratory exposure controls, but since these components are bound into the product and are not capable of becoming airborne, exposure controls need not be listed.

8.2 Exposure controls

Engineering Controls: When using indoors, ensure adequate ventilation by using local exhaust. Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion proof.
Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.
Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.
Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.
Footwear: No specific recommendation.
Other: Emergency eyes wash fountains should be available in vicinity of use.
Control of environmental exposure
Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Viscous liquid, various colours
Odour:	Characteristic acrylic odour
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	0°C
Initial Boiling Point:	Not available
Flash Point:	**>**100 ºC
Evaporation Rate:	Negligible
Flammability:	Not flammable
Upper Explosion Limit:	No data
Lower Explosion Limit:	No data
Vapour Pressure:	< 0.01 @ 20ºC
Vapour Density:	No data
Relative Density:	1.15 @ 25ºC (water=1)
Solubility:	Negligible in water
Partition Coefficient:	Not available
Autoignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	No data
Explosive Properties:	Not explosive. Not expected to be sensitive to electrostatic discharge.
Oxidizing Properties:	No data

9.2 Other safety information: None

10. Stability and Reactivity

10.1 Reactivity
Product may become reactive if inhibitor is depleted.

10.2 Chemical Stability
Stable as supplied.

10.3 Possibility of hazardous reactions
High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may initiate spontaneous polymerization, generating heat and pressure. Closed containers may rupture during hazardous polymerization.

10.4 Conditions to avoid
Exposure to heat, light and moisture.

10.5 Incompatible materials
Keep away from strong oxidizers and moisture.

10.6 Hazardous decomposition products
Carbon monoxide, carbon dioxide and various oxides of nitrogen.

11. Toxicological Information

11.1 Information on toxicological effects

Note to reader: *We do NOT test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.*

Acute toxicity

Component	LD_{50}	LC_{50}
Hydroxypropyl Methacrylate CAS No. 27813-02-1 EINECS No. 248-666-3	>2000 mg/kg (oral/rat) >5000 mg/kg (dermal/rabbit)	N/av
Titanium Dioxide – CI 77891 CAS No. 13463-67-7 EINECS No. 236-675-5	>25,000 mg/kg (oral/rat) >3,000 mg/kg (dermal/rabbit)	>6820 mg/m^3
Trimethylolpropane Trimethacrylate CAS NO. 3290-92-4 EINECS No. 221-950-4	>2,000 mg/kg (oral/rat) >2,000 mg/kg (dermal/rat)	N/av
Silica CAS No. 7631-86-9 EINECS No. 231-545-4	>5000 mg/kg (oral/rat) >2000 mg/kg (dermal/rabbit)	N/av
Methyl benzoylformate CAS NO: 15206-55-0 EINECS No: 239-263-3	>5000 mg/kg (oral/rat) >2000 mg/kg (dermal/rat)	>10.6 mg/L
Hydroxyethyl Acrylate/IPDI/PPG-15 Glyceryl Ether Copolymer	>2,000 mg/kg (oral/rat) >2,000 mg/kg (dermal/rat)	>5 mg/L

ABBREVIATION KEY: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available

Skin corrosion/irritation
Components of this mixture may cause skin irritation, H315, Category 2, Warning

Serious eye damage/eye irritation
Components of this mixture may cause eye irritation, H319, Category 2A, Warning

Respiratory or skin sensitization
Components of this mixture may cause skin sensitization, H317, Category 1, Warning

Germ cell mutagenicity
No information available

Carcinogenicity
Not classifiable as a human carcinogen. Titanium dioxide is present in the formulation but is not in a respirable form and cannot become airborne.

Reproductive toxicity
No information available.

Specific Target Organ Toxicity – Single exposure
No information available

Specific Target Organ Toxicity – Repeated exposure
No information available

Aspiration Hazard
No information available

Additional information
None

12. Ecological Information

12.1 Toxicity

To fish:

Trimethylolpropane Trimethacrylate	LC_{50}	96H	2 mg/L (Rainbow trout)
Hydroxypropyl methacrylate	LC_{50}	48H	493 mg/L
4-Methoxyphenol	LC_{50}	96H	28.5 mg/L (Rainbow trout)

To algae:

Trimethylolpropane Trimethacrylate	EC_{50}	72H	1.11-3.88 mg/L
Hydroxypropyl methacrylate	EC_{50}	72H	> 97 mg/L
4-Methoxyphenol	No data available		

To daphnia:

Trimethylolpropane Trimethacrylate	EC_{50}	48H	9.22 mg/L
Hydroxypropyl methacrylate	EC_{50}	48H	> 143 mg/L
4-Methoxyphenol	No data available		

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Not conducted

12.6 Other adverse effects
No data available

13. Disposal Considerations

13.1 Waste treatment methods

Product
Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.
Contaminated packaging
Dispose as above.

14. Transport Information

Transport of Dangerous Goods (TDG and CLR): Not regulated

United States Department of Transport (49CFR): Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15. Regulatory Information

CANADIAN FEDERAL REGULATIONS:
CEPA, DOMESTIC SUBSTANCES LIST: Listed
UNITED STATES – FEDERAL REGULATIONS:
TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.
CALIFORNIA Proposition 65, Safe Drinking Water and Toxicity Enforcement Act, 1986:
No ingredients listed
OSHA, 29 CFR 1910, Subpart Z: Meets criteria for a hazardous substance.
CERCLA, 40 CFR 302: No ingredients listed
SARA 302, 40 CFR 355: No ingredents listed
SARA 313, 40 CFR 372: No ingedients listed
SARA 311/312, 40 CFR 370: Immediate (Acute) Health, Delayed (Chronic) Health
Massachusetts Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)
New Jersey Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)
Pennsylvania Right to Know: 4-Methoxyphenol (p-Hydroxyanisole), 2-Propenoic acid, 2-methyl-, 2-ethyl-2-[[(2-methyl-1-oxo-2- propenyl)oxy]methyl]-1,3-propanediyl ester (Trimethylolpropane Trimethacrylate)

16. Other Information

Original Preparation Date: June 10, 2025

Prepared by: Haigh Industries Inc.,
#5 – 8118 North Fraser Way,
Burnaby, B.C.

Canada, V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

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Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Controlled Product Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS) and the European Union Directives.

1. Product and Supplier Identification

1.1 Product: **UV/LED Pro-Formance Enhance: All Shades**

1.2 Product Use: **Nail Gel**

1.3 Producer: **Haigh Industries Inc.,**
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5
Telephone: (604) 278-5851

Supplier: **As above**

1.4 Emergencies (24-hour number): +1(604) 278-5851

2. Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification:
Skin Irritation: Category 2
Eye Irritation: Category 2A
Skin Sensitization: Category 1
Hazardous to the Aquatic Environment: Category 2

2.2 GHS Label Elements, including precautionary statements

Pictogram:

Signal Word: Warning

GHS Hazard Statements:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

GHS Precautionary Statements:

Prevention:

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264+P265	Wash skin thoroughly after handling. Do not touch eyes.

P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
Response:	
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see Section 4).
P332+P317	IF SKIN irritation occurs: Get emergency medical help.
P333+P317	If skin irritation or rash occurs: Get medical help.
P337+P317	If eye irritation persists: Get emergency medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.
Storage:	**-**
Disposal:	
P501	Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: None

2.4 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Ingestion:	No
Inhalation:	Yes

Emergency Overview: This product contains ingredients which may cause mild eye and skin irritation in some people. For eye contact, symptoms may include a moderate burning sensation, tearing, redness, or swelling. Contact with skin may cause an allergic reaction due to prior sensitization. Local redness, rash, or itchy skin may occur in those persons with a pre-existing sensitivity or those predisposed to skin problems. In rare cases an allergic skin reaction may occur after long term contact with this product.

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.
Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.
Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.
Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.

Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3. Composition

3.1 Mixture composition

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification
Bis-HEMA Polyneopentyl Glycol Adipate/IPDI Copolymer	82339-16-0		60-80	Skin Irritant (Category 2): H315 Eye Irritant (Category 2B): H320
Trimethylolpropane Trimethacrylate	3290-92-4	221-950-4	10-20	Acute Aquatic Toxicity (Category 2): H401 Chronic Aquatic Toxicity (Category 2): H411
Hydroxypropyl Methacrylate	27813-02-1	248-666-3	5-15	Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319
Hydroxyethyl Acrylate/IPDI/PPG-15 Glyceryl Ether Copolymer			10-20	Eye Irritant (Category 2B): H320
P-Hydroxyanisole (4- Methoxyphenol)	150-76-5	205-769-8	< 0.01	Acute Toxicity Oral (Category 4): H302 Eye Irritant (Category 2A): H319 Acute Aquatic Toxicity (Category 3): H402 Chronic Aquatic Toxicity (Category 3): H412
May contain the following				
Ethyl Trimethylbenzoyl Phenylphosphinate	84434-11-7		1-3	Skin Sensitizer (Category 1): H317 Chronic Aquatic Toxicity (Category 2): H411
Methyl Benzoylformate	15206-55-0	239-263-3	1-3	Skin Sensitizer (Category 1): H317
Iron Oxide - CI 77491	1309-37-1	215-168-2	0-10	None assigned
Iron Oxide - CI 77492	51274-00-1	257-098-5	0-10	None assigned
Iron Oxide - CI 77499	12227-89-3	235-442-5	0-10	None assigned
Manganese Violet - CI 77742	10101-66-3	233-257-4	0-10	None assigned
Red 22 - CI 45380	17372-87-1	241-409-6	0-10	None assigned
Red 28 - CI 45410	18472-87-2	242-355-6	0-10	None assigned
Red 30 Lake - CI 73360	2379-74-0	219-163-6	0-10	None assigned
Red 33 Lake - CI 17200	3567-66-6	222-656-9	0-10	None assigned
Red 36 - CI 12085	2814-77-9	220-562-2	0-10	None assigned
Red 6 - CI 15850	5858-81-1	227-497-9	0-10	None assigned
Red 7 Lake - CI 15850	5281-04-9	226-109-5	0-10	None assigned
Titanium Dioxide - CI 77891	13463-67-7	236-675-5	0-10	Carcinogenicity (Category 2): H351
Ultramarine Blue - CI 77007	57455-37-5	309-928-3	0-10	None assigned
Violet 2 - CI 60725	81-48-1	201-353-5	0-10	None assigned
Yellow 10 Lake - CI 47005	68814-04-0	285-989-9	0-10	None assigned
Yellow 5 Lake - CI 19140	12225-21-7	235-428-9	0-10	None assigned

4. First Aid Measures

4.1 Description of First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the physician in attendance. Move away from dangerous area. Remove contaminated clothing. Completely decontaminate clothing, shoes and leather goods before re-use or discard.
In case of eye contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 to 30 minutes or until the chemical is removed, while holding the eyelid(s) open. Obtain medical attention immediately or transport to a medical facility and continue to flush the eyes en route.
In case of skin contact: Wash gently and thoroughly with water and non-abrasive soap for at least 20 minutes or until chemical is removed. If signs of sensitization or irritation occur, obtain medical advice.

If inhalation: Remove source of contamination or move victim to fresh air. If breathing is difficult, give artificial respiration. If breathing is difficult oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow the victim to move about unnecessarily. Consult a physician.
If ingestion: Ingestion unlikely. Never give anything by mouth if victim is rapidly losing consciousness. Have victim rinse mouth thoroughly with water. **Do not induce vomiting**. Dilute contents of stomach with 240 to 300 ml of water. If vomiting occurs naturally have victim lean forward to reduce risk of aspiration. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.
Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.
Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.
Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.
Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.
Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of any immediate medical attention and special treatment needed
In the event of an allergic reaction, immediate medical help is required. Allergic reactions may result in various health effects including respiration.

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Dry chemical, carbon dioxide, water spray, foam, or water fog.

5.2 Special hazards arising from mixture: Carbon dioxide, carbon monoxide, oxides of nitrogen, undetermined organic compounds in acrid smoke.

5.3 Advice for firefighters: Do not enter fire area without proper protection. Fight fire from a safe distance, upwind. Use of water may be ineffective due to low solubility. If water is used, direct fine spray or fog at fire to cool and extinguish flames.

5.4 Further Information:

Sensitivity to Impact: No
Sensitivity to Static Discharge: No

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:
HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.
Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.
Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.
Footwear: No specific recommendation.
Other: Emergency eyes wash fountains should be available in vicinity of use. At minimum, an eye lavage kit should be kept on hand.

6.2 Environmental precautions

Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and materials for containment and cleanup

Remedial Measures: Wash spill area with strong detergent and water solution, rinse with minimal water, if possible.
Large Spills: For large spills, dike area and prevent leakage into waterways or sanitary sewers. Recover using spark proof equipment and store in approved vented containers for re-use or disposal.
Small Spills: Small spills may be absorbed on an inert medium such as vermiculite or clay, then sweep into vented disposal containers.

6.4 Reference to other sections

For disposal, see section 13

7. Handling and Storage

7.1 Precautions for safe handling

Handling Procedures: Wear proper protective equipment when handling this material. Only use non-sparking tools when handling this material.

7.2 Conditions for safe storage, including incompatibilities

Storage: Store indoors in a well-ventilated area where the storage temperature can be maintained between 1ºC and 38ºC. Storage above 38ºC will result in reduced product life. Store in tightly closed containers away from heat, sparks, open flame, strong oxidizers, radiation and other initiators. Prevent contamination with foreign materials, including moisture.

7.3 Specific end use(s)

No other uses except those mentioned in Section 1.2

8. Exposure Controls/Personal Protection

8.1 Control parameters

Components with workplace control parameters

Note: Titanium dioxide has respiratory exposure controls, but since this component is bound into the product and is not capable of becoming airborne, exposure controls need not be listed.

8.2 Exposure controls

Engineering Controls: When using indoors, ensure adequate ventilation by using local exhaust. Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion proof.
Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.
Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.
Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.
Footwear: No specific recommendation.
Other: Emergency eyes wash fountains should be available in vicinity of use.
Control of environmental exposure
Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Viscous liquid, various colours
Odour:	Characteristic acrylic odour
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	0°C
Initial Boiling Point:	Not available
Flash Point:	**>**100 ºC
Evaporation Rate:	Negligible
Flammability:	Not flammable
Upper Explosion Limit:	No data
Lower Explosion Limit:	No data
Vapour Pressure:	< 0.01 @ 20ºC
Vapour Density:	No data
Relative Density:	1.15 @ 25ºC (water=1)
Solubility:	Negligible in water
Partition Coefficient:	Not available
Autoignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	No data
Explosive Properties:	Not explosive. Not expected to be sensitive to electrostatic discharge.
Oxidizing Properties:	No data

9.2 Other safety information: None

10. Stability and Reactivity

10.1 Reactivity
Product may become reactive if inhibitor is depleted.

10.2 Chemical Stability
Stable as supplied.

10.3 Possibility of hazardous reactions
High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may initiate spontaneous polymerization, generating heat and pressure. Closed containers may rupture during hazardous polymerization.

10.4 Conditions to avoid
Exposure to heat, light and moisture.

10.5 Incompatible materials
Keep away from strong oxidizers and moisture.

10.6 Hazardous decomposition products
Carbon monoxide, carbon dioxide and various oxides of nitrogen.

11. Toxicological Information

11.1 Information on toxicological effects

Note to reader: *We do NOT test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.*

Acute toxicity

Component	LD_{50}	LC_{50}
Hydroxypropyl Methacrylate CAS No. 27813-02-1 EINECS No. 248-666-3	>2000 mg/kg (oral/rat) >5000 mg/kg (dermal/rabbit)	N/av
Titanium Dioxide – CI 77891 CAS No. 13463-67-7 EINECS No. 236-675-5	>25,000 mg/kg (oral/rat) >3,000 mg/kg (dermal/rabbit)	>6820 mg/m^3
Trimethylolpropane Trimethacrylate CAS NO. 3290-92-4 EINECS No. 221-950-4	>2,000 mg/kg (oral/rat) >2,000 mg/kg (dermal/rat)	N/av
Methyl benzoylformate CAS NO: 15206-55-0 EINECS No: 239-263-3	>5000 mg/kg (oral/rat) >2000 mg/kg (dermal/rat)	>10.6 mg/L
Hydroxyethyl Acrylate/IPDI/PPG-15 Glyceryl Ether Copolymer	>2,000 mg/kg (oral/rat) >2,000 mg/kg (dermal/rat)	>5 mg/L
Ethyl Trimethylbenzoyl Phenylphosphinate CAS No. 84434-11-7	>5000 mg/kg (oral/rat) >2000 mg/kg (dermal/rat)	N/av

ABBREVIATION KEY: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available

Skin corrosion/irritation
Components of this mixture may cause skin irritation, H315, Category 2, Warning

Serious eye damage/eye irritation
Components of this mixture may cause eye irritation, H319, Category 2A, Warning

Respiratory or skin sensitization
Components of this mixture may cause skin sensitization, H317, Category 1, Warning

Germ cell mutagenicity
No information available

Carcinogenicity
Not classifiable as a human carcinogen. Titanium dioxide is present in the formulation but is not in a respirable form and cannot become airborne.

Reproductive toxicity
No information available

Specific Target Organ Toxicity – Single exposure
No information available

Specific Target Organ Toxicity – Repeated exposure
No information available

Aspiration Hazard
No information available

Additional information
None

12. Ecological Information

12.1 Toxicity

To fish:

Trimethylolpropane Trimethacrylate	LC_{50}	96H	2 mg/L (Rainbow trout)
Hydroxypropyl methacrylate	LC_{50}	48H	493 mg/L
4-Methoxyphenol	LC_{50}	96H	28.5 mg/L (Rainbow trout)
Ethyl Trimethylbenzoyl Phenylphosphinate	LC_{50}	96H	1.89 mg/L

To algae:

Trimethylolpropane Trimethacrylate	EC_{50}	72H	1.11-3.88 mg/L
Hydroxypropyl methacrylate	EC_{50}	72H	> 97 mg/L
4-Methoxyphenol	No data available		
Ethyl Trimethylbenzoyl Phenylphosphinate	EC_{50}	72H	1.01 mg/L

To daphnia:

Trimethylolpropane Trimethacrylate	EC_{50}	48H	9.22 mg/L
Hydroxypropyl methacrylate	EC_{50}	48H	> 143 mg/L
4-Methoxyphenol	No data available		
Ethyl Trimethylbenzoyl Phenylphosphinate	EC_{50}	48H	2.26 mg/L

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Not conducted

12.6 Other adverse effects
No data available

13. Disposal Considerations

13.1 Waste treatment methods

Product
Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.
Contaminated packaging
Dispose as above.

14. Transport Information

Transport of Dangerous Goods (TDG and CLR): Not regulated

United States Department of Transport (49CFR): Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15. Regulatory Information

CANADIAN FEDERAL REGULATIONS:
CEPA, DOMESTIC SUBSTANCES LIST: Listed
UNITED STATES – FEDERAL REGULATIONS:
TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.
CALIFORNIA Proposition 65, Safe Drinking Water and Toxicity Enforcement Act, 1986: No ingredients listed
OSHA, 29 CFR 1910, Subpart Z: Meets criteria for a hazardous substance.
CERCLA, 40 CFR 302: No ingredients listed
SARA 302, 40 CFR 355: No ingredents listed
SARA 313, 40 CFR 372: No ingedients listed
SARA 311/312, 40 CFR 370: Immediate (Acute) Health, Delayed (Chronic) Health
Massachusetts Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)
New Jersey Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)
Pennsylvania Right to Know: 4-Methoxyphenol (p-Hydroxyanisole), 2-Propenoic acid, 2-methyl-, 2-ethyl-2-[[(2-methyl-1-oxo-2- propenyl)oxy]methyl]-1,3-propanediyl ester (Trimethylolpropane Trimethacrylate)

16. Other Information

Original Preparation Date: June 10, 2025

Prepared by: Haigh Industries Inc.,
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Haigh Industries Inc.

Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Controlled Product Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS) and the European Union Directives.

1. Product and Supplier Identification

1.1 Product: **UV/LED Pro-Formance: Structure**
1.2 Product Use: **Nail Gel**

1.3 Producer: **Haigh Industries Inc.,**
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5
Telephone: (604) 278-5851

Supplier: **As above**

1.4 Emergencies (24-hour number): +1(604) 278-5851

2. Hazards Identification

2.1 Classification of product or mixture
Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification:
Skin Irritation: Category 2
Eye Irritation: Category 2A
Skin Sensitization: Category 1
Specific Target Organ Toxicity-Single Exposure Respiratory: Category 3
Long-Term Aquatic Hazard: Category 2

2.2 GHS Label Elements, including precautionary statements

Pictogram:

Signal Word: Warning

GHS Hazard Statements:

H315	Causes skin irritation.
H319	Causes serious eye irritation.

H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.

GHS Precautionary Statements:

Prevention:

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264+P265	Wash skin thoroughly after handling. Do not touch eyes.
P271	Use outdoors or in a well ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: Remove person to free air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P319	Get medical help if you feel unwell.
P321	Specific treatment (see Section 4).
P332+P317	IF SKIN irritation occurs: Get emergency medical help.
P337+P317	If eye irritation persists: Get emergency medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.

Storage:

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

Disposal:

P501	Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: None

2.4 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Ingestion:	No
Inhalation:	Yes

Emergency Overview: This product contains ingredients which may cause mild eye and skin irritation in some people. For eye contact, symptoms may include a moderate burning sensation, tearing, redness, or swelling. Contact with skin may cause an allergic reaction due to prior sensitization. Local redness, rash, or itchy skin may occur in those persons with a pre-existing sensitivity or those predisposed to skin problems. In rare cases an allergic skin reaction may occur after long term contact with this product.

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.
Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.

Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.
Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.

Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3. Composition

3.1 Mixture composition

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification
Bis-HEMA Poly(1,4-Butanediol)-14/IPDI Copolymer			20-40	Skin Irritant (Category 2): H315 Eye Irritant (Category 2A): H319 STOT-SE (Category 3): H335
Bis-HEMA Polyneopentyl Glycol Adipate/IPDI Copolymer	82339-16-0		20-40	Skin Irritant (Category 2): H315 Eye Irritant (Category 2B): H320
PEG-9 Trimethylolpropane Triacrylate	28961-43-5	278-260-1	5-10	None assigned.
Trimethylolpropane Trimethacrylate	3290-92-4	221-950-4	10-15	Acute Aquatic Toxicity (Category 2): H401 Chronic Aquatic Toxicity (Category 2): H411
Ethyl Trimethylbenzoyl Phenylphosphinate	84434-11-7		1-3	Skin Sensitizer (Category 1): H317 Chronic Aquatic Toxicity (Category 2): H411
Silica	7631-86-9	231-545-4	1-3	None assigned
P-Hydroxyanisole (4- Methoxyphenol)	150-76-5	205-769-8	< 0.01	Acute Toxicity Oral (Category 4): H302 Eye Irritant (Category 2A): H319 Acute Aquatic Toxicity (Category 3): H402 Chronic Aquatic Toxicity (Category 3): H412

4. First Aid Measures

4.1 Description of First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the physician in attendance. Move away from dangerous area. Remove contaminated clothing. Completely decontaminate clothing, shoes and leather goods before re-use or discard.
In case of eye contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 to 30 minutes or until the chemical is removed, while holding the eyelid(s) open. Obtain medical attention immediately or transport to a medical facility and continue to flush the eyes en route.
In case of skin contact: Wash gently and thoroughly with water and non-abrasive soap for at least 20 minutes or until chemical is removed. If signs of sensitization or irritation occur, obtain medical advice.
If inhalation: Remove source of contamination or move victim to fresh air. If breathing is difficult, give artificial respiration. If breathing is difficult oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow the victim to move about unnecessarily. Consult a physician.
If ingestion: Ingestion unlikely. Never give anything by mouth if victim is rapidly losing consciousness. Have victim rinse mouth thoroughly with water. **Do not induce vomiting**. Dilute contents of stomach with 240 to 300 ml of water. If vomiting occurs naturally have victim lean forward to reduce risk of aspiration. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.
Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.
Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.
Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.
Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.
Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of any immediate medical attention and special treatment needed
In the event of an allergic reaction, immediate medical help is required. Allergic reactions may result in various health effects including respiration.

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Dry chemical, carbon dioxide, water spray, foam, or water fog.

5.2 Special hazards arising from mixture: Carbon dioxide, carbon monoxide, oxides of nitrogen, undetermined organic compounds in acrid smoke.

5.3 Advice for firefighters: Do not enter fire area without proper protection. Fight fire from a safe distance, upwind. Use of water may be ineffective due to low solubility. If water is used, direct fine spray or fog at fire to cool and extinguish flames.

5.4 Further Information:

Sensitivity to Impact: No
Sensitivity to Static Discharge: No

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:
HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.
Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.

Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.
Footwear: No specific recommendation.
Other: Emergency eyes wash fountains should be available in vicinity of use. At minimum, an eye lavage kit should be kept on hand.

6.2 Environmental precautions

Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and materials for containment and cleanup

Remedial Measures: Wash spill area with strong detergent and water solution, rinse with minimal water, if possible.
Large Spills: For large spills, dike area and prevent leakage into waterways or sanitary sewers. Recover using spark proof equipment and store in approved vented containers for re-use or disposal.
Small Spills: Small spills may be absorbed on an inert medium such as vermiculite or clay, then sweep into vented disposal containers.

6.4 Reference to other sections

For disposal, see section 13

7. Handling and Storage

7.1 Precautions for safe handling

Handling Procedures: Wear proper protective equipment when handling this material. Only use non-sparking tools when handling this material.

7.2 Conditions for safe storage, including incompatibilities

Storage: Store indoors in a well-ventilated area where the storage temperature can be maintained between 1ºC and 38ºC. Storage above 38ºC will result in reduced product life. Store in tightly closed containers away from heat, sparks, open flame, strong oxidizers, radiation and other initiators. Prevent contamination with foreign materials, including moisture.

7.3 Specific end use(s)

No other uses except those mentioned in Section 1.2

8. Exposure Controls/Personal Protection

8.1 Control parameters

Components with workplace control parameters
Note: Silica has respiratory exposure controls, but since this component is bound into the product and is not capable of becoming airborne, exposure controls need not be listed.

8.2 Exposure controls

Engineering Controls: When using indoors, ensure adequate ventilation by using local exhaust. Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion proof.
Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face.

Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.
Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.
Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.
Footwear: No specific recommendation.
Other: Emergency eyes wash fountains should be available in vicinity of use.
Control of environmental exposure
Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Viscous liquid, various colours
Odour:	Characteristic acrylic odour
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	0°C
Initial Boiling Point:	131 ºC
Flash Point:	**>**100 ºC
Evaporation Rate:	Negligible
Flammability:	Not flammable
Upper Explosion Limit:	No data
Lower Explosion Limit:	No data
Vapour Pressure:	< 0.01 @ 20ºC
Vapour Density:	No data
Relative Density:	1.15 @ 25ºC (water=1)
Solubility:	Negligible in water
Partition Coefficient:	Not available
Autoignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	No data
Explosive Properties:	Not explosive. Not expected to be sensitive to electrostatic discharge.
Oxidizing Properties:	No data

9.2 Other safety information: None

10. Stability and Reactivity

10.1 Reactivity
Product may become reactive if inhibitor is depleted.

10.2 Chemical Stability
Stable as supplied.

10.3 Possibility of hazardous reactions
High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may initiate spontaneous polymerization, generating heat and pressure. Closed containers may rupture during hazardous polymerization.

10.4 Conditions to avoid
Exposure to heat, light and moisture.

10.5 Incompatible materials
Keep away from strong oxidizers and moisture.

10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide and various oxides of nitrogen.

11. Toxicological Information

11.1 Information on toxicological effects

Note to reader: *We do NOT test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.*

Acute toxicity

Component	LD_{50}	LC_{50}
Ethyl Trimethylbenzoyl Phenylphosphinate CAS No. 84434-11-7	>5000 mg/kg (oral/rat) >2000 mg/kg (dermal/rat)	N/av
Trimethylolpropane Trimethacrylate CAS NO. 3290-92-4 EINECS No. 221-950-4	>2,000 mg/kg (oral/rat) >2,000 mg/kg (dermal/rat)	N/av
Silica CAS No. 7631-86-9 EINECS No. 231-545-4	>5000 mg/kg (oral/rat) >2000 mg/kg (dermal/rabbit)	N/av

ABBREVIATION KEY: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available

Skin corrosion/irritation
Components of this mixture may cause skin irritation, H315, Category 2, Warning

Serious eye damage/eye irritation
Components of this mixture may cause eye irritation, H319, Category 2A, Warning

Respiratory or skin sensitization
Components of this mixture may cause skin sensitization, H317, Category 1, Warning

Germ cell mutagenicity
No information available

Carcinogenicity
Not classifiable as a human carcinogen. Titanium dioxide is present in the formulation but is not in a respirable form and cannot become airborne.

Reproductive toxicity
Components in this mixture are suspected of damaging fertility or the unborn child, H361, Category 2, Warning

Specific Target Organ Toxicity – Single exposure
Inhalation - May cause respiratory irritation.

Specific Target Organ Toxicity – Repeated exposure
No information available

Aspiration Hazard
No information available

Additional information
None

12. Ecological Information

12.1 Toxicity

To fish:

Trimethylolpropane Trimethacrylate	LC_{50}	96H	2 mg/L (Rainbow trout)
Hydroxypropyl methacrylate	LC_{50}	48H	493 mg/L
4-Methoxyphenol	LC_{50}	96H	28.5 mg/L (Rainbow trout)
Ethyl Trimethylbenzoyl Phenylphosphinate	LC_{50}	96H	1.89 mg/L

To algae:

Trimethylolpropane Trimethacrylate	EC_{50}	72H	1.11-3.88 mg/L
Hydroxypropyl methacrylate	EC_{50}	72H	> 97 mg/L
4-Methoxyphenol	No data available		
Ethyl Trimethylbenzoyl Phenylphosphinate	EC_{50}	72H	1.01 mg/L

To daphnia:

Trimethylolpropane Trimethacrylate	EC_{50}	48H	9.22 mg/L
Hydroxypropyl methacrylate	EC_{50}	48H	> 143 mg/L
4-Methoxyphenol	No data available		
Ethyl Trimethylbenzoyl Phenylphosphinate	EC_{50} EC_{10}	48H 48H	2.26 mg/L 1.55 mg/L

12.2 Persistence and degradability
No data available.

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Not conducted

12.6 Other adverse effects
No data available

13. Disposal Considerations

13.1 Waste treatment methods

Product
Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.
Contaminated packaging
Dispose as above.

14. Transport Information

Transport of Dangerous Goods (TDG and CLR): Not regulated

United States Department of Transport (49CFR): Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15. Regulatory Information

CANADIAN FEDERAL REGULATIONS:
CEPA, DOMESTIC SUBSTANCES LIST: Listed
UNITED STATES – FEDERAL REGULATIONS:
TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.
CALIFORNIA Proposition 65, Safe Drinking Water and Toxicity Enforcement Act, 1986:
No ingredients listed
OSHA, 29 CFR 1910, Subpart Z: Meets criteria for a hazardous substance.
CERCLA, 40 CFR 302: No ingredients listed
SARA 302, 40 CFR 355: No ingredents listed
SARA 313, 40 CFR 372: No ingedients listed
SARA 311/312, 40 CFR 370: Immediate (Acute) Health, Delayed (Chronic) Health
Massachusetts Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)

New Jersey Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)
Pennsylvania Right to Know: 4-Methoxyphenol (p-Hydroxyanisole), 2-Propenoic acid, 2-methyl-, 2-ethyl-2-[[(2-methyl-1-oxo-2- propenyl)oxy]methyl]-1,3-propanediyl ester (Trimethylolpropane Trimethacrylate)

16. Other Information

Original Preparation Date: August 14, 2023

Prepared by: Haigh Industries Inc.,
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Haigh Industries Inc.

Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Controlled Product Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS) and the European Union Directives.

1. Product and Supplier Identification

1.1 Product: **UV/LED Pro-Formance Trinity: All Shades**

1.2 Product Use: **Nail Gel**

1.3 Producer: **Haigh Industries Inc.,**
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5
Telephone: (604) 278-5851

Supplier: **As above**

1.4 Emergencies (24-hour number): +1(604) 278-5851

2. Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification:
Skin Irritation: Category 2
Eye Irritation: Category 2A
Skin Sensitization: Category 1
Respiratory Sensitization: Category 1

2.2 GHS Label Elements, including precautionary statements

Pictogram:

Signal Word: Warning

GHS Hazard Statements:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled

GHS Precautionary Statements:

Prevention:

P233	Keep container tightly closed.
P260	Do not breathe dust/fume/gas/mist/spray.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264+P265	Wash skin thoroughly after handling. Do not touch eyes.
P271	Use outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see Section 4).
P333+P317	If skin irritation or rash occurs: Get medical help.
P337+P317	If eye irritation persists: Get emergency medical help.
P342+P316	If experiencing respiratory symptoms. Get emergence medical help immediately
P362+P364	Take off contaminated clothing and wash it before reuse.

Storage:

P403	Store in a well-ventilated place.

Disposal:

P501	Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: None

2.4 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Ingestion:	No
Inhalation:	Yes

Emergency Overview: This product contains ingredients which may cause mild eye and skin irritation in some people. For eye contact, symptoms may include a moderate burning sensation, tearing, redness, or swelling. Contact with skin may cause an allergic reaction due to prior sensitization. Local redness, rash, or itchy skin may occur in those persons with a pre-existing sensitivity or those predisposed to skin problems. In rare cases an allergic skin reaction may occur after long term contact with this product.

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.
Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.
Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.
Ingestion: No adverse health effects are expected if a small amount of this product is accidentally

ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.

Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3. Composition

3.1 Mixture composition

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification
Bis-HEMA PPG-7/SMDI Copolymer	66848-65-5		30-80	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317
Hydroxypropyl Methacrylate	27813-02-1	248-666-3	20-30	Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319
Bis-HEMA Poly(1,4-Butanediol)-22/IPDI Copolymer			10-15	Skin Sensitizer (Category 1): H317
PPG-3 Glyceryl Ether Triacrylate	52408-84-1		1-3	Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319
Ethyl Trimethylbenzoyl Phenylphosphinate			1-3	Skin Sensitizer (Category 1): H317 Chronic Aquatic Toxicity (Category 2): H411
Pentaerythrityl Tetramercaptopropionate	7575-23-7	231-472-8	0-1	Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319 Chronic Aquatic Toxicity (Category 1): H410
Silica	7631-86-9	231-545-4	0-1	
Glyceryl Dimethacrylate	1830-78-0		0-1	Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319 STOT-SE (Category 3): H335
Maleic Anhydride	108-31-6		< 0.3	Skin Corrosion/Irritation (Category 1B): H314 Eye Irritant (Category 1): H318 Skin Sensitizer (Category 1): H317 Respiratory Sensitizer (Category 1): H334 STOT-RE Respiratory (Category 1): H372
P-Hydroxyanisole (4- Methoxyphenol)	150-76-5	205-769-8	< 0.01	Acute Toxicity Oral (Category 4): H302 Eye Irritant (Category 2A): H319 Acute Aquatic Toxicity (Category 3): H402 Chronic Aquatic Toxicity (Category 3): H412
May contain the following				
Iron Oxide - CI 77491	1309-37-1	215-168-2	0-10	None assigned
Iron Oxide - CI 77492	51274-00-1	257-098-5	0-10	None assigned
Iron Oxide - CI 77499	12227-89-3	235-442-5	0-10	None assigned
Manganese Violet - CI 77742	10101-66-3	233-257-4	0-10	None assigned
Red 22 - CI 45380	17372-87-1	241-409-6	0-10	None assigned
Red 28 - CI 45410	18472-87-2	242-355-6	0-10	None assigned
Red 30 Lake - CI 73360	2379-74-0	219-163-6	0-10	None assigned
Red 33 Lake - CI 17200	3567-66-6	222-656-9	0-10	None assigned
Red 36 - CI 12085	2814-77-9	220-562-2	0-10	None assigned
Red 6 - CI 15850	5858-81-1	227-497-9	0-10	None assigned
Red 7 Lake - CI 15850	5281-04-9	226-109-5	0-10	None assigned
Titanium Dioxide - CI 77891	13463-67-7	236-675-5	0-10	Carcinogenicity (Category 2): H351
Ultramarine Blue - CI 77007	57455-37-5	309-928-3	0-10	None assigned
Violet 2 - CI 60725	81-48-1	201-353-5	0-10	None assigned
Yellow 10 Lake - CI 47005	68814-04-0	285-989-9	0-10	None assigned

Yellow 5 Lake - CI 19140	12225-21-7	235-428-9	0-10	None assigned

4. First Aid Measures

4.1 Description of First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the physician in attendance. Move away from dangerous area. Remove contaminated clothing. Completely decontaminate clothing, shoes and leather goods before re-use or discard.
In case of eye contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 to 30 minutes or until the chemical is removed, while holding the eyelid(s) open. Obtain medical attention immediately or transport to a medical facility and continue to flush the eyes en route.
In case of skin contact: Wash gently and thoroughly with water and non-abrasive soap for at least 20 minutes or until chemical is removed. If signs of sensitization or irritation occur, obtain medical advice.
If inhalation: Remove source of contamination or move victim to fresh air. If breathing is difficult, give artificial respiration. If breathing is difficult oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow the victim to move about unnecessarily. Consult a physician.
If ingestion: Ingestion unlikely. Never give anything by mouth if victim is rapidly losing consciousness. Have victim rinse mouth thoroughly with water. **Do not induce vomiting**. Dilute contents of stomach with 240 to 300 ml of water. If vomiting occurs naturally have victim lean forward to reduce risk of aspiration. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.
Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.
Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.
Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.
Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermatitis or aggravate existing skin problems.
Medical Conditions Aggravated By Exposure: Persons susceptible to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of any immediate medical attention and special treatment needed
In the event of an allergic reaction, immediate medical help is required. Allergic reactions may result in various health effects including respiration.

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Dry chemical, carbon dioxide, water spray, foam, or water fog.

5.2 Special hazards arising from mixture: Carbon dioxide, carbon monoxide, oxides of nitrogen, undetermined organic compounds in acrid smoke.

5.3 **Advice for firefighters:** Do not enter fire area without proper protection. Fight fire from a safe distance, upwind. Use of water may be ineffective due to low solubility. If water is used, direct fine spray or fog at fire to cool and extinguish flames.

5.4 **Further Information:**

Sensitivity to Impact: No
Sensitivity to Static Discharge: No

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:
HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0

6. Accidental Release Measures

6.1 **Personal precautions, protective equipment and emergency procedures**

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.
Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.
Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to splashing or spraying liquid. Contact lenses should not be worn.
Footwear: No specific recommendation.
Other: Emergency eyes wash fountains should be available in vicinity of use. At minimum, an eye lavage kit should be kept on hand.

6.2 **Environmental precautions**
Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 **Methods and materials for containment and cleanup**

Remedial Measures: Wash spill area with strong detergent and water solution, rinse with minimal water, if possible.
Large Spills: For large spills, dike area and prevent leakage into waterways or sanitary sewers. Recover using spark proof equipment and store in approved vented containers for re-use or disposal.
Small Spills: Small spills may be absorbed on an inert medium such as vermiculite or clay, then sweep into vented disposal containers.

6.4 **Reference to other sections**
For disposal, see section 13

7. Handling and Storage

7.1 **Precautions for safe handling**

Handling Procedures: Wear proper protective equipment when handling this material. Only use non-sparking tools when handling this material.

7.2 Conditions for safe storage, including incompatibilities

Storage: Store indoors in a well-ventilated area where the storage temperature can be maintained between 1ºC and 38ºC. Storage above 38ºC will result in reduced product life. Store in tightly closed containers away from heat, sparks, open flame, strong oxidizers, radiation and other initiators. Prevent contamination with foreign materials, including moisture.

7.3 Specific end use(s)

No other uses except those mentioned in Section 1.2

8. Exposure Controls/Personal Protection

8.1 Control parameters

Components with workplace control parameters

Note: Titanium dioxide has respiratory exposure controls, but since this component is bound into the product and is not capable of becoming airborne, exposure controls need not be listed.

8.2 Exposure controls

Engineering Controls: When using indoors, ensure adequate ventilation by using local exhaust. Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion proof.
Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.
Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.
Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to splashing or spraying liquid. Contact lenses should not be worn.
Footwear: No specific recommendation.
Other: Emergency eyes wash fountains should be available in vicinity of use.
Control of environmental exposure
Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Viscous liquid, various colours
Odour:	Characteristic acrylic odour
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	0°C
Initial Boiling Point:	Not available
Flash Point:	**>**100 ºC
Evaporation Rate:	Negligible
Flammability:	Not flammable
Upper Explosion Limit:	No data
Lower Explosion Limit:	No data
Vapour Pressure:	< 0.01 @ 20ºC
Vapour Density:	No data
Relative Density:	1.15 @ 25ºC (water=1)
Solubility:	Negligible in water

Partition Coefficient:	Not available
Autoignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	No data
Explosive Properties:	Not explosive. Not expected to be sensitive to electrostatic discharge.
Oxidizing Properties:	No data

9.2 Other safety information: None

10. Stability and Reactivity

10.1 Reactivity
Product may become reactive if inhibitor is depleted.

10.2 Chemical Stability
Stable as supplied.

10.3 Possibility of hazardous reactions
High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may initiate spontaneous polymerization, generating heat and pressure. Closed containers may rupture during hazardous polymerization.

10.4 Conditions to avoid
Exposure to heat, light and moisture.

10.5 Incompatible materials
Keep away from strong oxidizers and moisture.

10.6 Hazardous decomposition products
Carbon monoxide, carbon dioxide and various oxides of nitrogen.

11. Toxicological Information

11.1 Information on toxicological effects

Note to reader: *We do NOT test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.*

Acute toxicity

Component	LD_{50}	LC_{50}
Hydroxypropyl Methacrylate	>2000 mg/kg (oral/rat) >5000 mg/kg (dermal/rabbit)	N/av
Titanium Dioxide – CI 77891	>25,000 mg/kg (oral/rat) >3,000 mg/kg (dermal/rabbit)	>6820 mg/m^3
PPG-3 Glyceryl Ether Triacrylate	>2000 mg/kg (oral/rat) >2000 mg/kg (dermal/rabbit)	
Pentaerythrityl Tetramercaptopropionate	1000-2000 mg/kg (oral/rat) >2000 mg/kg (dermal/rabbit	>3363 mg/m^3
Maleic Anhydride	1090 mg/kg (oral/rat) 2620 mg/kg (dermal/rabbit)	
Ethyl Trimethylbenzoyl Phenylphosphinate	>5000 mg/kg (oral/rat) >2000 mg/kg (dermal/rat)	N/av

ABBREVIATION KEY: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available

Skin corrosion/irritation
Components of this mixture may cause skin irritation, H315, Category 2, Warning

Serious eye damage/eye irritation
Components of this mixture may cause eye irritation, H319, Category 2A, Warning

Respiratory or skin sensitization
Components of this mixture may cause skin sensitization, H317, Category 1, Warning

Components of this mixture may cause respiratory sensitization, H334, Category 1
Germ cell mutagenicity
No information available
Carcinogenicity
Not classifiable as a human carcinogen. Titanium dioxide is present in the formulation but is not in a respirable form and cannot become airborne.
Reproductive toxicity
No information available
Specific Target Organ Toxicity – Single exposure
No information available
Specific Target Organ Toxicity – Repeated exposure
No information available
Aspiration Hazard
No information available
Additional information
None

12. Ecological Information

12.1 Toxicity

To fish:

Pentaerythrityl Tetramercaptopropionate	LC_{50}	96H	0.42 mg/L
PPG-3 Glyceryl Ether Triacrylate	No data available		
Hydroxypropyl methacrylate	LC_{50}	48H	493 mg/L
4-Methoxyphenol	LC_{50}	96H	28.5 mg/L (Rainbow trout)
Ethyl Trimethylbenzoyl Phenylphosphinate	LC_{50}	96H	1.89 mg/L

To algae:

Pentaerythrityl Tetramercaptopropionate	LC_{50}	72H	>0.12 mg/L
PPG-3 Glyceryl Ether Triacrylate	LC_{50}	72H	12.2 mg/L
Maleic Anhydride	EC_{50}	72H	74.35 mg/L
Hydroxypropyl methacrylate	EC_{50}	72H	> 97 mg/L
4-Methoxyphenol	No data available		
Ethyl Trimethylbenzoyl Phenylphosphinate	EC_{50}	72H	1.01 mg/L

To daphnia:

Pentaerythrityl Tetramercaptopropionate	LC_{50}		
PPG-3 Glyceryl Ether Triacrylate	LC_{50}		
Maleic Anhydride	EC_{50}	48H	43.81 mg/L
Hydroxypropyl methacrylate	EC_{50}	48H	> 143 mg/L
4-Methoxyphenol	No data available		
Ethyl Trimethylbenzoyl Phenylphosphinate	EC_{50}	48H	2.26 mg/L

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Not conducted

12.6 Other adverse effects
No data available

13. Disposal Considerations

13.1 Waste treatment methods

Product
Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.
Contaminated packaging
Dispose as above.

14. Transport Information

Transport of Dangerous Goods (TDG and CLR): Not regulated

United States Department of Transport (49CFR): Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15. Regulatory Information

CANADIAN FEDERAL REGULATIONS:
CEPA, DOMESTIC SUBSTANCES LIST: Listed
UNITED STATES – FEDERAL REGULATIONS:
TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.
CALIFORNIA Proposition 65, Safe Drinking Water and Toxicity Enforcement Act, 1986:
No ingredients listed
OSHA, 29 CFR 1910, Subpart Z: Meets criteria for a hazardous substance.
CERCLA, 40 CFR 302: No ingredients listed
SARA 302, 40 CFR 355: No ingredients listed
SARA 313, 40 CFR 372: No ingredients listed
SARA 311/312, 40 CFR 370: Immediate (Acute) Health, Delayed (Chronic) Health
Massachusetts Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)
New Jersey Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)
Pennsylvania Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)

16. Other Information

Original Preparation Date: June 10, 2025

Prepared by: Haigh Industries Inc.,
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

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Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Hazardous Products Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS), and the European Union Directives.

1 Product and Supplier Identification

1.1	**Product:**	**UV/LED Pro-Formance Ultra Gloss**
1.2	**Product Use:**	**Nail Gel**
1.3	**Producer:**	**Haigh Industries Inc.** **#5-8118 North Fraser Way** **Burnaby BC Canada** **V5J 0E5** **Telephone: (604) 278-5851**
1.4	**Supplier:**	**As above**
1.5	**Emergencies (24-hour number):**	**+1(604) 278-5851**

2 Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification:
Skin Irritation: Category 2
Eye Irritation: Category 2A
Skin Sensitization: Category 1

GHS Label Elements
Pictogram:

Signal Word: Warning

GHS Hazard Statements:

H315	Causes skin irritation.
H317	May cause an allergic reaction.
H319	Causes serious eye irritation.

GHS Precautionary Statements:

Prevention:

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264+P265	Wash skin thoroughly after handling. Do not touch eyes.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see Section 4).
P333+P317	If skin irritation or rash occurs: Get emergency medical help.
P337+P317	If eye irritation persists: Get emergency medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.

Storage:

Disposal:

P501	Dispose of contents/containers to an approved waste disposal plant.

2.2 Hazards not otherwise classified (HNOC) or not covered by GHS: None

2.3 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Ingestion:	No
Inhalation:	Yes

Emergency Overview: This product contains ingredients which may cause mild eye and skin irritation in some people. For eye contact, symptoms may include a moderate burning sensation, tearing, redness, or swelling. Contact with skin may cause an allergic reaction due to prior sensitization. Local redness, rash, or itchy skin may occur in those persons with a pre-existing sensitivity or those predisposed to skin problems. In rare cases an allergic skin reaction may occur after long term contact with this product.

Effects of Short Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.

Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.

Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.

Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermatitis or aggravate existing skin problems.

Medical Conditions Aggravated by Exposure: Persons susceptible to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3 Composition

3.1 Mixture Composition

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification
Di-HEMA Trimethylhexyl Dicarbamate	N/A	N/A	60-75	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317
HEMA (2-Hydroxyethyl Methacrylate)	868-77-9	212-782-2	10-20	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317
Hydroxypropyl Methacrylate	27813-02-1	248-666-3	7-15	Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319
Ethyl Trimethylbenzoyl Phenylphosphinate	84434-11-7		1-3	Skin Sensitizer (Category 1): H317 Chronic Aquatic Toxicity (Category 2): H411
P-Hydroxyanisole (4- Methoxyphenol)	150-76-5	205-769-8	< 0.01	Acute Toxicity Oral (Category 4): H302 Eye Irritant (Category 2A): H319 Acute Aquatic Toxicity (Category 3): H402 Chronic Aquatic Toxicity (Category 3): H412
Violet 2 - CI 60725	81-48-1	201-353-5	0-10	None assigned

4 First Aid Measures

4.1 Description of First Aid Measures

General Advice: Consult a physician. Show this safety data sheet to the physician in attendance. Move away from dangerous area. Remove contaminated clothing. Completely decontaminate clothing, shoes and leather goods before re-use or discard.

In Case of Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 to 30 minutes or until the chemical is removed, while holding the eyelid(s) open. Obtain medical attention immediately or transport to a medical facility and continue to flush the eyes en route.

In Case of Skin Contact: Wash gently and thoroughly with water and non-abrasive soap for at least 20 minutes or until chemical is removed. If signs of sensitization or irritation occur, obtain medical advice.

If Inhalation: Remove source of contamination or move victim to fresh air. If breathing is difficult, give artificial respiration. If breathing is difficult oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow the victim to move about unnecessarily. Consult a physician.

If Ingestion: Ingestion unlikely. Never give anything by mouth if victim is rapidly losing consciousness. Have victim rinse mouth thoroughly with water. Do not induce vomiting. Dilute contents of stomach with 240 to 300 ml of water. If vomiting occurs naturally have victim lean forward to reduce risk of aspiration. Seek immediate medical attention.

4.2 Most Important Symptoms and Effects Acute and Delayed

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.

Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.

Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.

Ingestion: No adverse health effects are expected if a small amount of this product is accidentally

ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermatitis or aggravate existing skin problems.

Medical Conditions Aggravated by Exposure: Persons susceptible to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed
In the event of an allergic reaction, immediate medical help is required. Allergic reactions may result in various health effects including respiration.

5 Fire Fighting Measures

5.1 Extinguishing Media
Dry chemical, carbon dioxide, water spray, foam, or water fog.

5.2 Special Hazards Arising from Mixture
Carbon dioxide, carbon monoxide, oxides of nitrogen, undetermined organic compounds in acrid smoke.

5.3 Advice for Firefighters
Do not enter fire area without proper protection. Fight fire from a safe distance, upwind. Use of water may be ineffective due to low solubility. If water is used, direct fine spray or fog at fire to cool and extinguish flames.

5.4 Further Information
Sensitivity to Impact: No

Sensitivity to Static Discharge: No

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:
HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0

6 Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures
Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.

Skin Protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.

Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to splashing or spraying liquid. Contact lenses should not be worn.

Footwear: No specific recommendation.
Other: Emergency eyes wash fountains should be available in vicinity of use. At minimum, an eye lavage kit should be kept on hand.

6.2 Environmental Precautions
Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and Materials for Containment and Cleanup
Remedial Measures: Wash spill area with strong detergent and water solution, rinse with minimal water, if possible.

Large Spills: For large spills, dike area and prevent leakage into waterways or sanitary sewers. Recover using spark proof equipment and store in approved vented containers for re-use or disposal.

Small Spills: Small spills may be absorbed on an inert medium such as vermiculite or clay, then sweep into vented disposal containers.

6.4 Reference to Other Sections
For disposal, see section 13.

7 Handling and Storage

7.1 Precautions for Safe Handling
Handling Procedures: Wear proper protective equipment when handling this material. Only use non-sparking tools when handling this material.

7.2 Conditions for Safe Storage
Store indoors in a well-ventilated area where the storage temperature can be maintained between 1oC and 38oC. Storage above 38oC will result in reduced product life. Store in tightly closed containers away from heat, sparks, open flame, strong oxidizers, radiation and other initiators. Prevent contamination with foreign materials, including moisture.

7.3 Specific End Use(s)
No other uses except those mentioned in Section 1.2.

8 Exposure Controls and Personal Protection

8.1 Control Parameters
Components with Workplace Control Parameters:
None listed

8.2 Exposure Controls
Engineering Controls: When using indoors, ensure adequate ventilation by using local exhaust. Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion proof.

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.

Skin Protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.

Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to splashing or spraying liquid. Contact lenses should not be worn.

Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use.

Control of Environmental Exposure: Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9 Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance:	Viscous liquid, various colours
Odour:	Characteristic acrylic odour
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	0°C
Initial Boiling Point:	131°C
Flash Point:	>96.7°C
Evaporation Rate:	Negligible
Flammability:	Not flammable
Upper Explosion Limit:	No data
Lower Explosion Limit:	No data
Vapour Pressure:	< 0.01 @ 20°C
Vapour Density:	No data
Relative Density:	1.15 @ 25°C (water=1)
Solubility:	Negligible in water
Partition Coefficient:	Not available
Autoignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	No data
Explosive Properties:	Not explosive. Not expected to be sensitive to electrostatic discharge.
Oxidizing Properties:	No data

9.2 Other Safety Information

None

10 Stability and Reactivity

10.1 Reactivity

Product may become reactive if inhibitor is depleted.

10.2 Chemical Stability

Stable as supplied.

10.3 Possibility of Hazardous Reactions

High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may initiate spontaneous polymerization, generating heat and pressure. Closed containers may rupture during hazardous polymerization.

10.4 Conditions to Avoid

Exposure to heat, light and moisture.

10.5 Incompatible Materials

Keep away from strong oxidizers and moisture.

10.6 Hazardous Decomposition Products
Carbon monoxide, carbon dioxide and various oxides of nitrogen.

11 Toxicological Information

11.1 Information on Toxicological Effects
Note to reader: We do not test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.

Acute Toxicity

Component	LD_{50}	LC_{50}
Di-Hema Trimethylhexyl Dicarbamate CAS No. Proprietary EINECS No. None	>5000 mg/kg (oral/rat)	N/av
Hydroxypropyl Methacrylate CAS No. 27813-02-1 EINECS No. 248-666-3	>2000 mg/kg (oral/rat) >5000 mg/kg (dermal/rabbit)	N/av
HEMA (2-Methoxyethyl Methacrylate) CAS No. 868-77-9 EINECS No. 212-782-2	5564 mg/kg (oral/rat) >3000 mg/kg (dermal/rabbit)	N/av

Abbreviation Key: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available.

11.2 Skin Corrosion/Irritation
Components of this mixture may cause skin irritation, H315, Category 2, Warning

11.3 Serious Eye Damage/Eye Irritation
Components of this mixture may cause eye irritation, H319, Category 2A, Warning

11.4 Respiratory of Skin Sensitization
Components of this mixture may cause skin sensitization, H317, Category 1, Warning

11.5 Germ Cell Mutagenicity
No information available.

11.6 Carcinogenicity
No information available.

11.7 Reproductive Toxicology
No information available.

11.8 Specific Target Organ Toxicity – Single Exposure
No information available.

11.9 Specific Target Organ Toxicity – Repeated Exposure
No information available.

11.10 Aspiration Hazard
No information available.

11.11 Additional Information
None

12 Ecological Information

12.1 Toxicity

To Fish:

Di-Hema Trimethylhexyl Dicarbamate	No data available		
HEMA (2-Methoxyethyl Methacrylate)	Flow-through Test – Pimephales Promelas (fathead Minnow) 227 mg/L 96H		
Hydroxypropyl methacrylate	LC_{50}	48H	493 mg/L
4-Methoxyphenol	LC_{50}	96H	28.5 mg/L (Rainbow trout)

To Algae:

Di-Hema Trimethylhexyl Dicarbamate	No data available		
HEMA (2-Methoxyethyl Methacrylate)	No data available		
Hydroxypropyl methacrylate	EC_{50}	72H	> 97 mg/L
4-Methoxyphenol	No data available		

To Daphina:

Di-Hema Trimethylhexyl Dicarbamate	No data available		
HEMA (2-Methoxyethyl Methacrylate)	No data available		
Hydroxypropyl methacrylate	EC_{50}	48H	> 143 mg/L
4-Methoxyphenol	No data available		

12.2 Persistence and Degradability
No data available

12.3 Bio accumulative Potential
No data available

12.4 Mobility in Soil
No data available

12.5 Results of PBT and vPvB Assessment
Not conducted

12.6 Other Adverse Effects
No data available

13 Disposal Considerations

13.1 Waste Treatment Methods
Product: Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.

Contaminated Packaging: Dispose as above.

14 Transport Information

14.1 Transport of Dangerous Goods (TDG and CLR): Not regulated

United States Department of Transport (49CFR): Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15 Regulatory Information

15.1 CANADIAN FEDERAL REGULATIONS
CEPA, DOMESTIC SUBSTANCES LIST: Listed

15.2 UNITED STATES FEDERAL REGULATIONS
TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.

California Proposition 65: No ingredients listed.

OSHA (29 CFR 1910 Subpart Z): Meets criteria for a hazardous substance.

CERCLA (40 CFR 302): No ingredients listed.

SARA 302 (40 CFR 355): No ingredients listed.

SARA 313 (40 CFR 372): No ingredients listed.

SARA 311/312 (40 CFR 370): Immediate (Acute) Health, Delayed (Chronic) Health

Massachusetts Right to Know: 4- Methoxyphenol (p-Hydroxyanisole)

New Jersey Right to Know: 4- Methoxyphenol (p-Hydroxyanisole)

Pennsylvania Right to Know: 4- Methoxyphenol (p-Hydroxyanisole)

16 Other Information

Original Preparation Date: August 20, 2025

Prepared By: Haigh Industries Inc.
#5-8118 North Fraser Way
Burnaby BC
Canada V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Haigh Industries Inc.

Revisions: None

Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Hazardous Products Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS), and the European Union Directives.

1 Product and Supplier Identification

1.1 Product: **Affixit**

1.2 Product Use: **Bonding Agent**

1.3 Producer:
Haigh Industries Inc.
#5-8118 North Fraser Way
Burnaby BC Canada
V5J 0E5
Telephone: (604) 278-5851

1.4 Supplier: **As above**

1.5 Emergencies (24-hour number): **+1(604) 278-5851**

2 Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification:
Skin Irritation: Category 2
Eye Irritation: Category 2A
Skin Sensitization: Category 1
Flammable Liquids: Category 2
Specific Target Organ Toxicity – Single Exposure: Category 3

GHS Label Elements
Pictogram:

Signal Word: Warning

GHS Hazard Statements:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic reaction.

H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H402	Harmful to aquatic life.

GHS Precautionary Statements:

Prevention:

P210	Keep away from heat, hot surface, sparks, open flames and other ignition sources. No Smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264+265	Wash skin thoroughly after handling. Do not touch eyes.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release into environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection**.**

Response:

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see Section 4).
P319	Get medical help if you feel unwell.
P332+P317	IF SKIN irritation occurs: Gel emergency medical help.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P317	If eye irritation persists: Get emergency medical help.
P370+P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Disposal:

P501	Dispose of contents/containers to an approved waste disposal plant.

2.2 Hazards not otherwise classified (HNOC) or not covered by GHS: Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions. Repeated exposure may cause skin dryness or cracking.

2.3 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Ingestion:	No
Inhalation:	Yes

Emergency Overview: This product contains ingredients which may cause mild eye and skin irritation in some people. For eye contact, symptoms may include a moderate burning sensation, tearing, redness, or swelling. Contact with skin may cause an allergic reaction due to prior sensitization. Local redness, rash, or

itchy skin may occur in those persons with a pre-existing sensitivity or those predisposed to skin problems. In rare cases an allergic skin reaction may occur after long term contact with this product.

Effects of Short Term (Acute) Exposure:
Inhalation: This product is a mild respiratory irritant. Vapours may cause drowsiness and dizziness.

Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.

Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermatitis or aggravate existing skin problems.

Medical Conditions Aggravated by Exposure: Persons susceptible to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3 Composition

3.1 Mixture Composition

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification
Ethyl Acetate	141-78-8	205-500-4	70-80	Eye Irritation (Category 2A): H319 Flammable Liquids (Category 2): H225 STOT – SE (Category 3) H336
Isopropylidenediphenyl Bisoxyhydroxypropyl Methacrylate	1565-94-2	216-367-7	10-30	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317 Eye Irritation (Category 2A): H319
HEMA (2-Hydroxyethyl Methacrylate)	868-77-9	212-782-2	3-7	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317 Eye Irritation (Category 2B): H320 Acute Aquatic Toxicity (Category 3): H402
P-Hydroxyanisole (4- Methoxyphenol)	150-76-5	205-769-8	< 0.01	Acute Toxicity Oral (Category 4): H302 Eye Irritant (Category 2A): H319 Acute Aquatic Toxicity (Category 3): H402 Chronic Aquatic Toxicity (Category 3): H412

4 First Aid Measures

4.1 Description of First Aid Measures

In Case of Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 to 30 minutes or until the chemical is removed, while holding the eyelid(s) open. Remove contact lenses if present and easy to do so. Seek medical advice.

In Case of Skin Contact: Remove contaminated clothing and shoes. Rinse skin with water/shower.

If Inhalation: Remove source of contamination or move victim to fresh air. Consult a physician.

If Ingestion: Do NOT induce vomiting. Rinse out mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on left side with head down to prevent aspiration of liquid into lungs. If swallowed, seek medical advice immediately.

4.2 Most Important Symptoms and Effects Acute and Delayed
Effects of Short-Term (Acute) Exposure:
Inhalation: Vapours may cause drowsiness and dizziness. Mild respiratory irritant.

Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.

Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermatitis or aggravate existing skin problems.

Medical Conditions Aggravated by Exposure: Persons susceptible to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed
In the event of an allergic reaction, immediate medical help is required. Allergic reactions may result in various health effects including respiration.

5 Fire Fighting Measures

5.1 Extinguishing Media
Suitable extinguishing media: Carbon dioxide (CO2), dry chemical, alcohol resistant foam, water fog
Unsuitable extinguishing media: Do not use a solid water stream as it may spread the fire.

5.2 Special Hazards Arising from Mixture
Highly flammable. May be ignited by open flame. Vapours are heavier than air ans may spread along floors. The product is insoluble and floats on water. May polymerize when heated or on contact with incompatible materials. Fire or intense heat may cause violent rupture of packages. The pressure in sealed containers can increase under the influence of heat. Thermal decomposition may produce irritating/toxic fumes/gases.

5.3 Advice for Firefighters
Do not enter fire area without proper protection. Fight fire from a safe distance, upwind. Wear self-contained breathing apparatus and protective suit.

5.4 Further Information
Remove container from danger zone and cool with water. Prevent extinguishing water from contaminating surface water or the ground water system.

Sensitivity to Impact: No

Sensitivity to Static Discharge: Yes

6 Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Wear suitable protective equipment. Ventilate area. Extinguish any sources of ignition. Avoid breathing mist, vapour, dust, fumes, and spray. Keep people away from and upwind of spill/leak.

6.2 Environmental Precautions

Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and Materials for Containment and Cleanup

Remedial Measures: Ventilate the area. Prevent further leakage or spillage if safe to do so. Use only non-sparking tools. Clean with detergents. Avoid solvents. Do not flush into surface water or sanitary sewer system. Contaminated absorbent material may pose the same hazards as the spilled product. Contact proper local authorities.

Large Spills: For large spills, dike area and prevent leakage into waterways or sanitary sewers. Recover using spark proof equipment and store in approved vented containers for re-use or disposal.

Small Spills: Small spills may be absorbed on an inert medium such as vermiculite or clay, then sweep into vented disposal containers.

6.4 Reference to Other Sections

For disposal, see section 13.

7 Handling and Storage

7.1 Precautions for Safe Handling

Handling Procedures: Wear proper protective equipment when handling this material. Only use non-sparking tools when handling this material. Persons with recurrent skin eczema or sensitization problems should be excluded from working with this product. Once a person is sensitized, no further exposure to the material that caused the sensitization should be permitted. Use only in a well-ventilated area. Avoid breathing vapours. Avoid contact with skin, eyes, and clothing. Keep away from incompatibles. Keep away from heat, sparks, and open flame. No smoking. Keep containers closed when not in use. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Wash thoroughly after handling.

7.2 Conditions for Safe Storage

Store in a cool/well-ventilated place. Inspect periodically for damage or leaks. Protect from sunlight. Store away from heat. Recommended storage temperature: 1-30˚C.

7.3 Specific End Use(s)

No other uses except those mentioned in Section 1.2.

8 Exposure Controls and Personal Protection

8.1 Control Parameters

Components with Workplace Control Parameters:

Component	Exposure Limits	Basis	Notes
Ethyl Acetate CAS No. 14178-8 EINECS No. 205-500-4	400 ppm (1440 mg/m^3) (TWA)	Canada, Alberta (OEL)	None
	150 ppm (TWA)	Canada British Columbia (OEL)	None
	400 ppm (1440 mg/m^3) (TWAEV)	Quebec (Regulation respecting health and safety) Schedule 1 Part 1: Permissible exposure values for	None

		airborne contaminates	
	400 ppm (TWA)	USA (TLV)	None
	400 ppm (1400 mg/m^3) (TWA)	France (OEL)	None
	400 ppm (1500 mg/m^3) (TWA)	Germany (OEL)	Exposure factor 2
	400 ppm (1400 mg/m^3) (TWA)	Greece (OEL)	None
	200 mg/m^3 (TWA) 600 mg/m^3 (STEL)	Poland (OEL)	None
	400 ppm (1460 mg/m^3) (TWA)	Spain (OEL)	None

8.2 Exposure Controls

Engineering Controls: Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practical this should be achieved using local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.

Skin Protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact. Wear sufficient clothing to prevent skin contact.

Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to splashing or spraying liquid. Contact lenses should not be worn.

Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use.

Control of Environmental Exposure: Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9 Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance:	Clear liquid
Odour:	Ester-like odour
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	-83°C (based on ingredients)
Initial Boiling Point:	77°C (based on ingredients)
Flash Point:	3.3°C
Evaporation Rate:	6.2
Upper Flammable Limit:	11.5% (based on ingredients)
Lower Flammable Limit:	2.0% (based on ingredients)
Vapour Pressure:	9.73 kPa @ 20°C (based on ingredients)
Vapour Density:	>1.0
Relative Density:	0.94 @ 25°C (water=1)
Solubility:	Negligible in water
Partition Coefficient:	Log P(oct) = 0.66
Autoignition Temperature:	427˚**C** (based on ingredients)
Decomposition Temperature:	No data

Viscosity:	No data
Explosive Properties:	Not explosive. May be sensitive to static discharge.
Oxidizing Properties:	No data

9.2 Other Safety Information
None

10 Stability and Reactivity

10.1 Reactivity
Product may become reactive if inhibitor is depleted.

10.2 Chemical Stability
Stable as supplied.

10.3 Possibility of Hazardous Reactions
High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may initiate spontaneous polymerization, generating heat and pressure. Closed containers may rupture during hazardous polymerization.

Exothermic reaction with:
Fluorine
Chlorosulfonic Acid
Strong Oxidizing Agents
Fuming Sulfuric Acid

Risk of explosion with:
Lithium Aluminium Hydride
Alkali Metals
Hydrides
Alkaline Earth Metals

Violent reactions possible with:
Strong Acids and Strong Bases

10.4 Conditions to Avoid
Exposure to heat, light and moisture. Do not use in areas without adequate ventilation.

10.5 Incompatible Materials
Strong oxidizing agents, strong reducing agents, free radical initiators, inert gases, oxygen scavengers, peroxides, amines, sulfur compounds, heavy metal ions, alkalis and various plastics.

10.6 Hazardous Decomposition Products
Carbon monoxide, carbon dioxide and various oxides of nitrogen.

11 Toxicological Information

11.1 Information on Toxicological Effects
Note to reader: We do not test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.

Acute Toxicity

Component	LD_{50}	LC_{50}
Ethyl Acetate CAS No. 14178-8	5620 mg/kg (oral/rat) >20000 mg/kg (dermal/rabbit)	N/av

EINECS No. 205-500-4		
Isopropylidenediphenyl Bisoxyhydroxypropyl Methacrylate CAS No. 1565-94-2 EINECS No. 216-367-7	N/av	N/av
HEMA (2-Hydroxyethyl Methacrylate) CAS No. 868-77-9 EINECS No. 212-782-2	>5000 mg/kg (oral/rat) >5000 mg/kg (dermal/rabbit)	N/av

Abbreviation Key: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available.

11.2 Skin Corrosion/Irritation
Components of this mixture may cause skin irritation, H315, Category 2, Warning

11.3 Serious Eye Damage/Eye Irritation
Components of this mixture may cause eye irritation, H319, Category 2A, Warning

11.4 Respiratory or Skin Sensitization
Components of this mixture may cause skin sensitization, H317, Category 1, Warning

11.5 Germ Cell Mutagenicity
No information available.

11.6 Carcinogenicity
Not classifiable as a human carcinogen.

11.7 Reproductive Toxicology
No information available.

11.8 Specific Target Organ Toxicity – Single Exposure
Components of this mixture may cause drowsiness or dizziness, H336, Category 3, Warning

11.9 Specific Target Organ Toxicity – Repeated Exposure
No information available.

11.10 Aspiration Hazard
No information available.

11.11 Additional Information
None

12 Ecological Information

12.1 Toxicity

To Fish:

Ethyl Acetate	LC_{50}	96H	230mg/L (Fathead Minnow)
Isopropylidenediphenyl Bisoxyhydroxypropyl Methacrylate	No data available		
2-Hydroxyethyl Methacrylate	LC_{50}	96H	>100 mg/L
4-Methoxyphenol	LC_{50}	96H	28.5 mg/L (Rainbow trout)

To Algae:

Ethyl Acetate	NOEC	72H	>100 mg/L (Green Algae)
Isopropylidenediphenyl Bisoxyhydroxypropyl Methacrylate	No data available		
2-Hydroxyethyl Methacrylate	EC_{50}	72H	836 mg/L
4-Methoxyphenol	No data available		

To Daphina:

Ethyl Acetate	No data available
Isopropylidenediphenyl Bisoxyhydroxypropyl Methacrylate	No data available

2-Hydroxyethyl Methacrylate	EC_{50}	18H	380 mg/L
4-Methoxyphenol	No data available		

12.2 Persistence and Degradability
2-Hydroxyethyl Methacrylate photodegrades rapidly when exposed to air.
No data on other components.

12.3 Bio accumulative Potential
2-Hydroxyethyl Methacrylate and ethyl acetate are considered readily biodegradable.
Not data on other components.

12.4 Mobility in Soil
No data available

12.5 Results of PBT and vPvB Assessment
Not conducted

12.6 Other Adverse Effects
No data available

13 Disposal Considerations

13.1 Waste Treatment Methods
Product: Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.

Contaminated Packaging: Dispose as above.

14 Transport Information

Transport of Dangerous Goods (TDG and CLR):

UN Number	UN1993
UN Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. (Ethyl Acetate)
UN Transport Hazard Class(es)	3
Packing Group	II
Labels	3

International Air Transport Association (IATA):

UN Number	UN1993
UN Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. (Ethyl Acetate)
UN Transport Hazard Class(es)	3
Packing Group	II
Labels	3
Additional Information	Refer to the appropriate Packing Instruction, prior to shipping this material. Review all State and Operator Variations, prior to shipping this material.

International Maritime Organization (IMO):

UN Number	UN1993
UN Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. (Ethyl Acetate)
UN Transport Hazard Class(es)	3
Packing Group	II
Labels	3

Additional Information	May be shipped as LIMITED QUANTITY when transported in containers no larger than 1.0 Litre, in packages not exceeding 30 kg gross mass.

15 Regulatory Information

15.1 CANADIAN FEDERAL REGULATIONS
CEPA, DOMESTIC SUBSTANCES LIST: Listed

15.2 UNITED STATES FEDERAL REGULATIONS
TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.

California Proposition 65: No ingredients listed.

OSHA (29 CFR 1910 Subpart Z): Meets criteria for a hazardous substance.

CERCLA (40 CFR 302): No ingredients listed.

SARA 302 (40 CFR 355): No ingredients listed.

SARA 313 (40 CFR 372): No ingredients listed.

SARA 311/312 (40 CFR 370): Immediate (Acute) Health, Delayed (Chronic) Health

Massachusetts Right to Know: 4- Methoxyphenol (p- Hydroxyanisole)

New Jersey Right to Know: 4- Methoxyphenol (p- Hydroxyanisole)

Pennsylvania Right to Know: 4- Methoxyphenol (p- Hydroxyanisole)

16 Other Information

Original Preparation Date: April 8, 2022

Prepared By: Haigh Industries Inc.
#5-8118 North Fraser Way
Burnaby BC
Canada V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Haigh Industries Inc.

Revisions: None

Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Hazardous Products Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS), and the European Union Directives.

1 Product and Supplier Identification

1.1	**Product:**	**Nail & Cuticle Oil**
1.2	**Product Use:**	**Cosmetic nail and cuticle conditioner**
1.3	**Producer:**	**Haigh Industries Inc.** **#5-8118 North Fraser Way** **Burnaby BC Canada** **V5J 0E5** **Telephone: (604) 278-5851**
1.4	**Supplier:**	**As above**
1.5	**Emergencies (24-hour number):**	**+1(604) 278-5851**

2 Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification: Not a hazardous substance or mixture

GHS Label Elements
Pictogram: Not a hazardous substance or mixture

Signal Word: None

GHS Hazard Statements:
None

GHS Precautionary Statements:
None

Prevention:
None

Response:
None

Storage:

None

Disposal:
None

2.2 Hazards not otherwise classified (HNOC) or not covered by GHS: May gave laxative effects. Mild eye irritant. Mild respiratory irritant.

3 Composition

3.1 Mixture Composition

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification
Prunus Amygdalus Dulcis Oil (Sweet Almond Oil)	8007-69-0	N/A	70-80	None assigned
Simmondsia Chinensis Seed Oil (Jojoba Oil)	90045-98-0	N/A	5-10	None assigned
Aloe Baradensis Leaf Extract	85507-69-3	287-390-8	5-10	None assigned
Tocopherol	1406-66-2	218-197-9	1-5	None assigned
Fragrance	N/A	N/A	0-1	None assigned

4 First Aid Measures

4.1 Description of First Aid Measures

In Case of Eye Contact: Rinse eye immediately with running water at low pressure. Consult an ophthalmologist.

In Case of Skin Contact: Wash area liberally with water.

If Inhalation: Remove source of contamination or move victim to fresh air. Give artificial respiration if not breathing. Seek medical assistance as needed.

If Ingestion: Ingestion unlikely. If ingested in excess do not induce vomiting. Rinse mouth with water. Never give anything by mouth to a person who is unconscious or loosing consciousness. Consult a doctor.

4.2 Most Important Symptoms and Effects Acute and Delayed

Effects of Short-Term (Acute) Exposure:
Inhalation: May be mildly irritating to the respiratory system.

Skin Contact: May be mildly irritating to the skin.

Eye Contact: May be mildly irritating to the eyes.

Ingestion: May have laxative effects upon excessive ingestion.

Effects of Long-Term (Chronic) Exposure: None known.

Medical Conditions Aggravated by Exposure: None known.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Treat symptomatically. In the event of an allergic reaction, immediate medical help is required. Allergic reactions may result in various health effects including respiration.

5 Fire Fighting Measures

5.1 Extinguishing Media
Suitable: Dry chemical, carbon dioxide foam.
Unsuitable: Water

5.2 Special Hazards Arising from Mixture
Vapour may travel to source of ignition and flash back. Vapour may settle low or in confined spaces. May produce a floating fire hazard. Static ignition hazard can result from handling and use. Essential and vegetable oils have the potential to self-heat and contribute to spontaneous combustion.

5.3 Advice for Firefighters
Wear self-contained breathing apparatus and protective suit. Fight fire with normal precautions from a reasonable distance. Cool fire exposed containers with water.

5.4 Further Information
Sensitivity to Impact: No

Sensitivity to Static Discharge: No

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:
HEALTH: 0
FLAMMABILITY: 1
REACTIVITY: 0

6 Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures
Wear suitable protective equipment. Keep people away from and upwind of spill/leak.

6.2 Environmental Precautions
Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and Materials for Containment and Cleanup
Remedial Measures: Absorb with clay, sand or other non-combustible material. Prevent entry into waterways, sewers and confined areas. Once contained wash with plenty of soap and water.

Large Spills: Eliminate ignition sources and ground equipment. Use vapour suppression such as foam. Use non-sparking tools and non-combustible matter to absorb product and transfer to grounded containers.

Small Spills: May be flushed with large amounts of water.

6.4 Reference to Other Sections
For disposal, see section 13.

7 Handling and Storage

7.1 Precautions for Safe Handling
Handling Procedures: Use only in well-ventilated areas. Use personal protective equipment as required. Avoid breathing vapours or mists. Avoid contact with eyes. Avoid contact with clothing. Keep away from heat and sources of ignition. Keep container tightly closed. Wash thoroughly after handling.

7.2 Conditions for Safe Storage
Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Inspect periodically for damage or leaks. Protect against physical damage.

7.3 Specific End Use(s)

No other uses except those mentioned in Section 1.2.

8 Exposure Controls and Personal Protection

8.1 Control Parameters

Components with Workplace Control Parameters:
None known.

8.2 Exposure Controls

Engineering Controls: When using indoors, ensure adequate ventilation by using local exhaust. Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion proof.

Respiratory Protection: In the case of vapour formation use a respirator with an approved filter. The filter class for the respirator must be suitable for the maximum expected contaminate concentration that may arise when handling the product.

Skin Protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.

Eye and Face Protection: Wear as appropriate. Safety glasses with side shield or goggles.

Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use.

General Hygiene Considerations: Do not eat, drink or smoke when using this product. Avoid breathing vapour or mist. Avoid contact with eyes and mucous membranes. Remove and wash contaminated clothing before re-use.

Control of Environmental Exposure: Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9 Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance:	Oily liquid
Odour:	Perfumed odour.
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	Not available
Initial Boiling Point:	Not available
Flash Point:	Not available
Evaporation Rate:	Not available
Flammability:	Not flammable
Upper Explosion Limit:	Not available
Lower Explosion Limit:	Not available
Vapour Pressure:	Not available
Vapour Density:	Not available
Relative Density:	< 1.0
Solubility:	Insoluble
Partition Coefficient:	Not available
Autoignition Temperature:	Not available
Decomposition Temperature:	Not available
Viscosity:	Not available

Explosive Properties: Not expected to be sensitive to mechanical impact or static discharge.
Oxidizing Properties: No data

9.2 Other Safety Information
None

10 Stability and Reactivity

10.1 Reactivity
Not normally reactive.

10.2 Chemical Stability
Stable as supplied.

10.3 Possibility of Hazardous Reactions
Hazardous polymerization does not occur.

10.4 Conditions to Avoid
Excessive heat

10.5 Incompatible Materials
Strong oxidizers and strong inorganic acids.

10.6 Hazardous Decomposition Products
Carbon monoxide and carbon dioxide.

11 Toxicological Information

11.1 Information on Toxicological Effects
Note to reader: We do not test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.

Acute Toxicity
This product is not considered as being toxic.

11.2 Skin Corrosion/Irritation
This product is not considered as being a corrosive material.

11.3 Serious Eye Damage/Eye Irritation
This product is not considered as being an irritant.

11.4 Respiratory or Skin Sensitization
This product is not considered as being an allergic respiratory or skin sensitizer.

11.5 Germ Cell Mutagenicity
Contains no ingredients listed as a mutagen

11.6 Carcinogenicity
Contains no ingredients listed as a carcinogen

11.7 Reproductive Toxicology
Contains no ingredients listed as toxic to reproduction.

11.8 Specific Target Organ Toxicity – Single Exposure
This product is not expected to cause target organ toxicity through a single dose.

11.9 Specific Target Organ Toxicity – Repeated Exposure
This product is not expected to cause target organ toxicity through repeated doses.

11.10 Aspiration Hazard
No information available.

11.11 Additional Information
None

12 Ecological Information

12.1 Toxicity
No data available on the product itself. The product should not be allowed to enter drains or water courses. It should not be deposited where it can affect ground or surface waters.

12.2 Persistence and Degradability
No data available

12.3 Bio accumulative Potential
No data available

12.4 Mobility in Soil
No data available

12.5 Results of PBT and vPvB Assessment
No data available.

12.6 Other Adverse Effects
No data available

13 Disposal Considerations

13.1 Waste Treatment Methods
Product: Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.

Contaminated Packaging: Dispose as above.

14 Transport Information

Transport of Dangerous Goods (TDG and CLR): Not regulated

United States Department of Transport (49CFR): Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15 Regulatory Information

15.1 CANADIAN FEDERAL REGULATIONS
CEPA, DOMESTIC SUBSTANCES LIST: Listed

15.2 UNITED STATES FEDERAL REGULATIONS

TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.

California Proposition 65: No ingredients listed.

OSHA (29 CFR 1910 Subpart Z): No ingredients listed.

CERCLA (40 CFR 302): No ingredients listed.

SARA 302 (40 CFR 355): No ingredients listed.

SARA 313 (40 CFR 372): No ingredients listed.

SARA 311/312 (40 CFR 370): No ingredients listed.

Massachusetts Right to Know: No ingredients listed.

New Jersey Right to Know: No ingredients listed.

Pennsylvania Right to Know: No ingredients listed.

16 Other Information

Original Preparation Date: April 13, 2022

Prepared By: Haigh Industries Inc.
#5-8118 North Fraser Way
Burnaby BC
Canada V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Haigh Industries Inc.

Revisions: None

Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Controlled Product Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS) and the European Union Directives.

1. Product and Supplier Identification

1.1 Product: **Nail Glue**

1.2 Product Use: **Adhesive**

1.3 Producer: **Haigh Industries Inc.,**
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5
Telephone: (604) 278-5851

Supplier: **As above**

1.4 Emergencies (24-hour number): CHEMTEL 1-813-248-0573

2. Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification:

Skin Irritation: Category 2
Eye Irritation: Category 2A
Skin Sensitization: Category 1
Target Organ Toxicity (Single Exposure): Category 3
Flammable Liquids: Category 4

2.2 GHS Label Elements, including precautionary statements

Pictogram:

Signal Word: Warning

GHS Hazard Statements:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H227	Combustible liquid

GHS Precautionary Statements:

Prevention:

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: Remove to fresh air and keep in a rest position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention
P337+P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash it before reuse.
P370	Incase of fire: Use dry chemical, foam or carbon dioxide to extinguish

Storage:

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Disposal:

P501	Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: None

3. Composition

3.1 Mixture composition

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification
Ethyl Cyanoacrylate	7085-85-0	230-391-5	85-100	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317 Eye Irritation (Category 2A): H319 Target Organ Toxicity (Single Exposure): Category 3: H335 Flammable Liquids: Category 4: H227

4. First Aid Measures

4.1 Description of First Aid Measures

In case of eye contact: Immediately flush eyes with plenty of water for at least 15 mins. Get immediate medical attention.
In case of skin contact: Wash with soap and water. Peel or roll skin apart.
If inhalation: Remove to fresh air. Prolonged or repeated elevated exposure may cause allergic reaction symptoms in sensitive individuals.
If ingestion: Peel or roll skin apart. Adhesive becomes solid in contact with saliva and may adhere to inside of mouth. Saliva will lift adhesive in 1-2 days. Not a toxic product.

4.2 Most important symptoms and effects, both acute and delayed

Effects of Short-Term (Acute) Exposure:

Inhalation: Prologed or excessive inhilation may cause respiratory tract irritation.
Skin Contact: Bonds to skin in seconds. May casue skin irritation. May casue sensitization by skin contact. Cyanoacrylates generate heat on polymerization, so very large amounts will burn the skin.
Eye Contact: Casues serious eye irritation. Will bond eyelids. Will casue excessive tearing.
Ingestion: Adhesive becomes solid in contact with saliva and may adhere to inside of mouth. Saliva will lift adhesive in 1-2 days. Not a toxic product.
Effects of Long-Term (Chronic) Exposure: Frequent or prolonged contact may irritate the skin and casue a skin rash (dermatitis).
Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.
Acute Toxicity: Avoid exposure to vapour concentration in confined areas.

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Dry chemical or flush with large amounts of water.

5.2 Special hazards arising from mixture: Combustible liquid and vapour. Product polymerized to solid by water.

5.3 Advice for firefighters: Evacuate area and fight fire from a safe distance. As in any fire, wear self-contained breathing apparatus pressure-demand. (MSHA/NIOSH approved or equivalent) and full protective gear.

5.4 Further Information:

Sensitivity to Impact: No
Sensitivity to Static Discharge: No

5.5 Hazardous decomposition products: Combustible by-products of carbon monoxide/dioxide.

6. Accidental Release Measures

6.1 Environmental precautions
Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.2 Methods and materials for containment and cleanup

Large Spills: Polymerize with water. Increase ventilation to area. Solid material may be scraped from surface.
Small Spills: Polymerize with water. Solid material may be scraped from surface.

6.3 Reference to other sections
For disposal, see section 13

7. Handling and Storage

7.1 Precautions for safe handling

Handling Procedures: Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing (dust, vapour, mist, gas). Avoid contact with skin, eyes and clothing. Keep container closed when not in use.

7.2 Conditions for safe storage, including incompatibilities

Storage: Store in a cool place in original container and protect from sunlight. Keep aeay from sources or ignition. Ideal storage: 5-10 ˚C

7.3 Specific end use(s)

No other uses except those mentioned in Section 1.2

8. Exposure Controls/Personal Protection

8.1 Control parameters

Components with workplace control parameters

Component	Exposure Limits	Basis
Ethyl Cyanoacrylate	Not Listed	OSHA
CAS No. 7085-85-0	0.2 ppm (1.0 mg/m^3)	ACGIH TLV
EINECS No. 230-391-5	0.2 ppm	Supplier OEL

8.2 Exposure controls

Engineering Controls: Use only is a well ventilated area. Local exhaust ventilation may be necessary to control any air contaminates to within their TLV's during use of this product.
Respiratory Protection: Use only in a well-ventillated area. In cawse of insufficent ventilation, wear suitable respiratory pequipment. Recommended: Full-face NIOSH-approved respirator with organic vapour cartrige.
Skin protection: Use nitrile gloves and aprons to prevent contact. Do not use PVC, nylon or cotton materials.
Eye and Face Protection: For normal conditions wear safety glasses. Where there is resonable probability of liquid contact, wear splash-proof goggles.
Footwear: No specific recommendation.
Other: Emergency eyes wash fountains should be available in vicinity of use.
Work Hygenic Practices: Avoid direct contact and breathing vapour. Use with adequate ventilation. Wash hands with soap and water after use.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Odour:	Characteristic odour, intensely irritating
Odour Threshold:	1 ppm
pH:	Not applicable
Melting Point/Freezing Point:	Not determined
Initial Boiling Point:	>149 ºC
Flash Point:	80-93.4 ºC (TAG CC)
Evaporation Rate:	Not established
Upper Explosion Limit:	No data
Lower Explosion Limit:	No data
Vapour Pressure:	< 0.2 mm Hg
Vapour Density:	No data
Relative Density:	Not available
Solubility:	Insoluble in water
Partition Coefficient:	Not available
Autoignition Temperature:	485 ˚
Decomposition Temperature:	No data
Viscosity:	25-50 Centipoise at 22˚

Explosive Properties: Not explosive. Not expected to be sensitive to electrostatic discharge.
Oxidizing Properties: No data

9.2 Other safety information: None

10. Stability and Reactivity

10.1 Reactivity
No hazardous polymerization.

10.2 Chemical Stability
Stable as supplied.

10.3 Possibility of hazardous reactions
Possible polymerization reaction in the presence of water, amines, alkalis and alcohols.

10.4 Conditions to avoid
Avoid temperatures above 176 ˚C, moisture and alkalines.

10.5 Incompatible materials
Polymerized by water, alcohol, amines, alkaline materials.

10.6 Hazardous decomposition products
Carbon monoxide, carbon dioxide and other toxic or irritating compounds may form when heated to decompositon. Oxides of nitrogen and propbably hydrofen cyanide are also possible.

11. Toxicological Information

11.1 Information on toxicological effects

Note to reader: *We do NOT test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.*

Acute toxicity

Component	LD_{50}	LC_{50}
Ethyl Cyanoacrylate CAS No. 7085-85-0 EINECS No. 230-391-5	>5000 mg/kg (oral/rat) >2000 mg/kg (dermal/rabbit)	N/av

ABBREVIATION KEY: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available

Skin corrosion/irritation
May cause skin irritation, H315, Category 2, Warning
Serious eye damage/eye irritation
May cause eye irritation, H319, Category 2A, Warning
Respiratory or skin sensitization
May cause skin sensitization, H317, Category 1, Warning.
Germ cell mutagenicity
No information available
Carcinogenicity
Not known,
Reproductive toxicity
Not known.
Specific Target Organ Toxicity – Single exposure
Vapours may be irritating. Recommended TWA 0.2 ppm
Specific Target Organ Toxicity – Repeated exposure
No information available
Aspiration Hazard
No information available

Additional information
None

12. Ecological Information

12.1 Toxicity
This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

13. Disposal Considerations

13.1 Waste treatment methods

Product
Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions.

Contaminated packaging
Dispose as above.

14. Transport Information

Transport of Dangerous Goods (TDG and CLR): Not regulated

United States Department of Transport (49CFR): Not regulated

International Air Transport Association (IATA): Not regulated (less than 500 mL). Aviation regulated Liquid, N.O.S. (Ethyl Cyanoacrylate), UN3334, 9.

International Maritime Organization (IMO): Not regulated

15. Regulatory Information

CANADIAN FEDERAL REGULATIONS:
CEPA, DOMESTIC SUBSTANCES LIST: Listed
UNITED STATES – FEDERAL REGULATIONS:
TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.
CALIFORNIA Proposition 65, Safe Drinking Water and Toxicity Enforcement Act, 1986:
No ingredients listed
SARA 302, 40 CFR 355: No ingredents listed
SARA 313, 40 CFR 372: No ingedients listed
SARA 311/312, 40 CFR 370: Immediate (Acute) Health, Delayed (Chronic) Health, Fire, Reactive.

16. Other Information

Original Preparation Date: May 10, 2022

Prepared by: Haigh Industries Inc.,
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or

implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Haigh Industries Inc.

Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Hazardous Products Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS), and the European Union Directives.

1 Product and Supplier Identification

1.1	**Product:**	**Prep & Wipe, Nail Prep and Gel Cleaner**
1.2	**Product Use:**	**Cosmetic Nail Cleansing Agent/Solvent**
1.3	**Producer:**	**Haigh Industries Inc.** **#5-8118 North Fraser Way** **Burnaby BC Canada** **V5J 0E5** **Telephone: (604) 278-5851**
1.4	**Supplier:**	**As above**
1.5	**Emergencies (24-hour number):**	**+1(604) 278-5851**

2 Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification:
Acute Toxicity – Oral: Category 4
Eye Irritation: Category 2A
Flammable Liquids: Category 2
Specific Target Organ Toxicity – Single Exposure: Category 3

GHS Label Elements
Pictogram:

Signal Word: Warning

GHS Hazard Statements:

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

GHS Precautionary Statements:

Prevention:

P210	Keep away from heat, hot surface, sparks, open flames and other ignition sources. No Smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264+265	Wash skin thoroughly after handling. Do not touch eyes.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301+P317	IF SWALLOWED: Get emergency medical help.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P319	Get medical help if you feel unwell.
P337+P317	If eye irritation persists: Get emergency medical help.
P370+P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Disposal:

P501	Dispose of contents/containers to an approved waste disposal plant.

2.2 Hazards not otherwise classified (HNOC) or not covered by GHS: Repeated exposure may cause skin dryness or cracking.

2.3 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Ingestion:	Yes
Inhalation:	Yes

Effects of Short Term (Acute) Exposure:

Inhalation: This product is a mild respiratory irritant. Vapours may cause drowsiness and dizziness.

Skin Contact: May cause dry skin or cracking.

Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Medical Conditions Aggravated by Exposure: Persons susceptible to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3 Composition

3.1 Mixture Composition

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification
Isopropyl Alcohol	67-63-0	200-661-7	80-90	Acute Toxicity – Oral (Category 4): H302 Eye Irritation (Category 2A): H319 Flammable Liquids (Category 2): H225 STOT – SE (Category 3) H336
Ethyl Acetate	141-78-8	205-500-4	10-15	Eye Irritation (Category 2A): H319 Flammable Liquids (Category 2): H225 STOT – SE (Category 3) H336
May contain the following				
Blue 1 – CI 42090	15792-67-3	239-897-0	>0.001	None assigned
Fragrance			>0.001	None assigned

4 First Aid Measures

4.1 Description of First Aid Measures

In Case of Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 to 30 minutes or until the chemical is removed, while holding the eyelid(s) open. Remove contact lenses if present and easy to do so. Seek medical advice.

In Case of Skin Contact: Remove contaminated clothing and shoes. Rinse skin with water/shower.

If Inhalation: Remove source of contamination or move victim to fresh air. If breathing is stopped, administer artificial respiration. Consult a physician.

If Ingestion: Do NOT induce vomiting. Rinse out mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on left side with head down to prevent aspiration of liquid into lungs. If swallowed, seek medical advice immediately.

4.2 Most Important Symptoms and Effects Acute and Delayed
Effects of Short-Term (Acute) Exposure:

Inhalation: Vapours may cause drowsiness and dizziness. Mild respiratory irritant.

Skin Contact: Repeated exposure may cause skin dryness or cracking.

Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Effects of Long-Term (Chronic) Exposure: Repeated exposure may cause skin dryness or cracking,

Medical Conditions Aggravated by Exposure: Persons susceptible to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed
Treat symptomatically.

5 Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Carbon dioxide (CO2), dry chemical, alcohol resistant foam.
Unsuitable extinguishing media: Do not use a solid water stream as it may spread the fire.

5.2 Special Hazards Arising from Mixture

Highly flammable. May be ignited by open flame. Vapours are heavier than air and may spread along floors. Fire or intense heat may cause violent rupture of packages. The pressure in sealed containers can increase under the influence of heat. Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for Firefighters

Do not enter fire area without proper protection. Fight fire from a safe distance, upwind. Wear self-contained breathing apparatus and protective suit.

5.4 Further Information

Remove container from danger zone and cool with water. Prevent extinguishing water from contaminating surface water or the ground water system.

Sensitivity to Impact: No

Sensitivity to Static Discharge: Yes

6 Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Wear suitable protective equipment. Ventilate area. Extinguish any sources of ignition. Avoid breathing mist, vapour, dust, fumes, and spray. Keep people away from and upwind of spill/leak.

6.2 Environmental Precautions

Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and Materials for Containment and Cleanup

Remedial Measures: Ventilate the area. Prevent further leakage or spillage if safe to do so. Use only non-sparking tools. Remove all sources of ignition. Evacuate personnel to safe areas. Contaminated absorbent material may pose the same hazards as the spilled product. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Large Spills: For large spills, dike area and prevent leakage into waterways or sanitary sewers. Recover using spark proof equipment and store in approved vented containers for re-use or disposal.

Small Spills: Small spills may be absorbed on an inert medium such as vermiculite or clay, then sweep into vented disposal containers.

6.4 Reference to Other Sections

For disposal, see section 13.

7 Handling and Storage

7.1 Precautions for Safe Handling

Handling Procedures: Wear proper protective equipment when handling this material. Only use non-sparking tools when handling this material. Use only in a well-ventilated area. Avoid breathing vapours. Avoid contact with skin, eyes, and clothing. Keep away from incompatibles. Keep away from heat, sparks,

and open flame. No smoking. Keep containers closed when not in use. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Wash thoroughly after handling.

7.2 Conditions for Safe Storage

Store in a cool/well-ventilated place. Inspect periodically for damage or leaks.

7.3 Specific End Use(s)

No other uses except those mentioned in Section 1.2.

8 Exposure Controls and Personal Protection

8.1 Control Parameters

Components with Workplace Control Parameters:

Component	Exposure Limits	Basis	Notes
Ethyl Acetate CAS No. 14178-8 EINECS No. 205-500-4	400 ppm (1440 mg/m^3) (TWA)	Canada, Alberta (OEL)	None
	150 ppm (TWA)	Canada British Columbia (OEL)	None
	400 ppm (1440 mg/m^3) (TWAEV)	Quebec (Regulation respecting health and safety) Schedule 1 Part 1: Permissible exposure values for airborne contaminates	None
	400 ppm (TWA)	USA (TLV)	None
	400 ppm (1400 mg/m^3) (TWA)	France (OEL)	None
	400 ppm (1500 mg/m^3) (TWA)	Germany (OEL)	Exposure factor 2
	400 ppm (1400 mg/m^3) (TWA)	Greece (OEL)	None
	200 mg/m^3 (TWA) 600 mg/m^3 (STEL)	Poland (OEL)	None
	400 ppm (1460 mg/m^3) (TWA)	Spain (OEL)	None
Isopropyl Alcohol CAS No. 67-63-0 EINECS No. 200-661-7	200 ppm (TWA)	ACGIH	None
	400 ppm (STEL)	ACGIH	None
	400 ppm (980 mg/m^3) (TWA)	NIOSH REL	None
	500 ppm (1225 mg/m^3) (ST)	NIOSH REL	None
	400 ppm (980 mg/m^3) (TWA)	OSHA Z-1	None
	400 ppm (980 mg/m^3) (TWA)	OSHA P0	None
	500 ppm (1225mg/m^3) (STEL)	OSHA P0	None

8.2 Exposure Controls

Engineering Controls: Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practical this should be achieved using local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

Respiratory Protection: In the case of vapour formation use a respirator with an approved filter. The filter class for the respirator must be suitable for the maximum expected contaminate concentration that may arise when handling the product. In case of insufficient ventilation wear suitable respiratory equipment.

Skin Protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact. Wear sufficient clothing to prevent skin contact.

Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to splashing or spraying liquid. Contact lenses should not be worn.

Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use. Do not eat drink or smoke wen using this product.

Control of Environmental Exposure: Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9 Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance:	Clear liquid
Odour:	Alcohol odour
Odour Threshold:	Not available
pH:	Not available
Melting Point/Freezing Point:	-88.5°C (based on ingredients)
Initial Boiling Point:	77 - 82.3°C (based on ingredients)
Flash Point:	-4.4 - 12°C (based on ingredients)
Evaporation Rate:	6.2
Upper Flammable Limit:	12% (based on ingredients)
Lower Flammable Limit:	2.0% (based on ingredients)
Vapour Pressure:	4.41 – 9.73 kPa @ 20°C (based on ingredients)
Vapour Density:	2.07
Relative Density:	0.795 @ 25°C (water=1)
Solubility:	Completely soluble
Partition Coefficient:	Log P(oct) = 0.05
Autoignition Temperature:	399˚C (based on ingredients)
Decomposition Temperature:	No data
Viscosity:	No data
Explosive Properties:	May be sensitive to static discharge.
Oxidizing Properties:	No data

9.2 Other Safety Information
None

10 Stability and Reactivity

10.1 Reactivity
Not normally reactive.

10.2 Chemical Stability
Stable under normal conditions.

10.3 Possibility of Hazardous Reaction
Exothermic reaction with:
Fluorine
Chlorosulfonic Acid
Strong Oxidizing Agents
Fuming Sulfuric Acid

Risk of explosion with:
Lithium Aluminium Hydride
Alkali Metals
Hydrides
Alkaline Earth Metals

Violent reactions possible with:

Strong Acids and Strong Bases

10.4 Conditions to Avoid
Keep away from heat, flame, sparks and other ignition sources.

10.5 Incompatible Materials
Strong oxidizing agents, aluminum, acids, halogenated compounds, acid anhydrides and various plastics.

10.6 Hazardous Decomposition Products
In the event of a fire, the following can be released: Carbon oxides and other unidentified organic compounds.

11 Toxicological Information

11.1 Information on Toxicological Effects
Note to reader: We do not test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.

Acute Toxicity

Component	LD_{50}	LC_{50}
Isopropyl Alcohol CAS No. 67-63-0 EINECS No. 200-661-7	4720 mg/kg (oral/rat) 12890 mg/kg (dermal/rabbit)	17000 ppm (inhale/rat/4hr)
Ethyl Acetate CAS No. 14178-8 EINECS No. 205-500-4	5620 mg/kg (oral/rat) >20000 mg/kg (dermal/rabbit)	19600 ppm (inhale/rat/4hr)

Abbreviation Key: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available.

11.2 Skin Corrosion/Irritation
May cause mild skin irritation.

11.3 Serious Eye Damage/Eye Irritation
Components of this mixture may cause eye irritation, H319, Category 2A, Warning

11.4 Respiratory or Skin Sensitization
May cause mild respiratory or skin irritation. Inhalation may cause headache, pain, nausea, vomiting or other central nervous effects.

11.5 Germ Cell Mutagenicity
Contains no ingredients listed as a mutagen

11.6 Carcinogenicity
Contains no ingredients listed as a carcinogen.

11.7 Reproductive Toxicology
Not expected to have other reproductive effects.

11.8 Specific Target Organ Toxicity – Single Exposure
Components of this mixture may cause drowsiness or dizziness, H336, Category 3, Warning

11.9 Specific Target Organ Toxicity – Repeated Exposure
No information available.

11.10 Aspiration Hazard
No information available.

11.11 Additional Information
None

12 Ecological Information

12.1 Toxicity

To Fish:

Isopropyl Alcohol	LC_{50}	96H	9640 mg/L (Fathead Minnow)
Ethyl Acetate	LC_{50}	96H	230 mg/L (Fathead Minnow)

To Algae:

Isopropyl Alcohol	EC_{50}	72H	>1000 mg/L
Ethyl Acetate	NOEC	72H	>100 mg/L (Green Algae)

To Daphina:

Isopropyl Alcohol	EC_{50}	48H	13299 mg/L
Ethyl Acetate	No data available		

12.2 Persistence and Degradability
This product has not been tested. Isopropyl Alcohol and Ethyl Acetate are considered readily biodegradable.

12.3 Bio accumulative Potential
No data avaialbe

12.4 Mobility in Soil
No data available

12.5 Results of PBT and vPvB Assessment
Not conducted

12.6 Other Adverse Effects
No data available

13 Disposal Considerations

13.1 Waste Treatment Methods
Product: Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.

Contaminated Packaging: Dispose as above.

14 Transport Information

Transport of Dangerous Goods (TDG and CLR):

UN Number	UN1993
UN Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. (Isopropyl Alcohol, Ethyl Acetate)
UN Transport Hazard Class(es)	3
Packing Group	II
Labels	3

International Air Transport Association (IATA):

UN Number	UN1993

UN Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. (Isopropyl Alcohol, Ethyl Acetate)
UN Transport Hazard Class(es)	3
Packing Group	II
Labels	3
Additional Information	Refer to the appropriate Packing Instruction, prior to shipping this material. Review all State and Operator Variations, prior to shipping this material.

International Maritime Organization (IMO):

UN Number	UN1993
UN Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. (Isopropyl Alcohol, Ethyl Acetate)
UN Transport Hazard Class(es)	3
Packing Group	II
Labels	3
Additional Information	May be shipped as LIMITED QUANTITY when transported in containers no larger than 1.0 Litre, in packages not exceeding 30 kg gross mass.

15 Regulatory Information

15.1 CANADIAN FEDERAL REGULATIONS
CEPA, DOMESTIC SUBSTANCES LIST: Listed

15.2 UNITED STATES FEDERAL REGULATIONS
TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.

California Proposition 65: No ingredients listed.

OSHA (29 CFR 1910 Subpart Z): Meets criteria for a hazardous substance.

CERCLA (40 CFR 302): No ingredients listed.

SARA 302 (40 CFR 355): No ingredients listed.

SARA 313 (40 CFR 372): Isopropyl alcohol

SARA 311/312 (40 CFR 370): Fire Hazard, Acute Health Hazard

Massachusetts Right to Know: Isopropyl alcohol

New Jersey Right to Know: Isopropyl alcohol

Pennsylvania Right to Know: Isopropyl alcohol

16 Other Information

Original Preparation Date: April 21, 2022

Prepared By: Haigh Industries Inc.
#5-8118 North Fraser Way
Burnaby BC
Canada V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

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Revisions: None

Haigh Industries Inc.

SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEMICAL NAME:	Glacial Methacrylic Acid
PRODUCT NAME:	Primer Pen
TRADE NAME/PRODUCT CODE:	**0000**
PRODUCT USE:	Organic Process Chemical
MANUFACTURER: **ADDRESS:**	Haigh Industries Inc., #5 – 8118 North Fraser Way, Burnaby, B.C. Canada, V5J 0E5
24 HR. EMERGENCY TELEPHONE:	
PREPARATION/UPDATE DATE:	CHEMTEL: 1-800-255-3924
PRINT DATE:	07/22/2020 7/22/20

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture

Hazard Class - ***Physical, Health, Environmental***	**Category**
Flammable Liquid	4
Oral Toxicity	Acute Tox. 4
Dermal Toxicity	Acute Tox. 4
Skin Corrosion/Irritation	1A
Eye Damage/Irritation	1

Label Elements - *Pictograms, Signal Word, Hazard Statements, Precautionary Statements, & Supplemental Information*

Signal Word

Danger

Hazards Statements

H227	Combustible liquid
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage

Precautionary Statements - *Prevention, Response, & Disposal*

P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P235	Keep cool
P240	Ground and bond container and receiving equipment
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P264	Wash hands and exposed skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves/protective clothing/eye protection/face protection

P310	Immediately call a POISON CENTER or doctor/physician
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P321	Specific treatment (see ... on this label)
P322	Specific measures (see ... on this label)
P330	Rinse mouth
P363	Wash contaminated clothing before reuse
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P301+P330 +P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361 +P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351 +P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P370+P378	In case of fire: Use CO2 for extinction
P405	Store locked up
P403+P235	Store in a well ventilated place. Keep cool
P501	Dispose of contents/container to an authorized disposal facility

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	Cas No.	Weight-%	GHS Ratings
Methacrylic Acid	79-41-4	90 — 100	Oral Toxicity 4 Dermal Toxicity 4 Skin Corrosion/Irritation 1A (H314)

**Component names may have been omitted to protect confidential business information (CBI) in compliance with OSHA GHS HCS §1910.1200 Appendix E. A full disclosure safety data sheet can be supplied in emergency and non-emergency situations upon written request.*

SECTION 4 - FIRST AID MEASURES

General Advice
Provide the SDS to medical personnel for treatment.

Inhalation:
Remove victim to fresh air. Seek immediate medical attention.

Eye Contact:
If product gets in the eyes, flush with lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.

Skin Contact:
Rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately.

Clothing:
Remove contaminated clothing, wash thoroughly before reuse.

Ingestion:

If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Get medical attention immediately.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media
Chemical (alcohol-resistant) foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media
Water spary or water stream may not be effective.

Specific Hazards Arising from the Chemical
High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may cause spontaneous polymerizing reaction generating heat/pressure. Closed containers may rupture or explode during a runaway polymerization. This product is a flammable liquid. Vapors of this product are heavier than air and may travel to a source of ignition and flash back to a leaking or open container. Vapor forms an explosive mixture with air.

Hazardous Combustion Products
Acrid smoke-fumes/carbon monoxide/carbon dioxide and perhaps other toxic vapors may be released during a fire involving this product.

Special Fire Fighting Procedures:
Use a water spray or fog to reduce or direct vapors, and keep containers cool. Water may not be effective in actually extinguishing a fire involving this product. Do not enter fire area without proper protection. Fight fire from a safe location. Structural firefighters must wear SCBAs and full protective equipment. Heat/impurities may cause pressure to build and/or rupture closed containers, spreading fire, increasing risk of burns/injuries.

Protective Equipment and Precautions for Firefighters
Wear self-contained breathing apparatus for firefighting if necessary. Do not enter fire area without proper protection. Fight fire from safe distance/protected location. Heat/impurities may increase temperature/build pressure/rupture closed containers, spreading fire, increasing risk of burns/injuries. Use water spray to cool unopened containers. Pressure relief system may plug with solids creating risk of overpressure.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions
Before cleaning any spill or leak, individuals must wear appropriate Personal Protective Equipment that is specified in section 8. Deny entry to all unprotected individuals. Remove any contaminated clothing and wash thoroughly before reuse.

Environmental Precautions
Extinguish all ignition sources. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. May contaminate water supplies/be harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

Methods and Material for Containment and Cleaning Up

Methods for Containment
Prevent further leakage or spillage if safe to do so. Dike and contain spill with inert material (e.g. sand or earth). May contaminate water supply.

Methods for Cleaning Up
Maximize ventilation (open doors and windows) and secure all sources of ignition. Use good, local ventilation with a minimum capture velocity of 100 ft/min (30 m/min) at point of product release. Place into appropriate closed container(s) for disposal in accordance with local, state and federal regulations. Wash all affected areas with plenty of warm water and soap.

SECTION 7- HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling

Keep away from heat, sparks, and flame. Keep container closed after each use. Do NOT use localized heat source such as band heaters to heat/melt product. Do NOT use steam. Hot boxes or hot rooms are recommended for heating the product, which can be set at a maximum temperature of 60°C/140°F. Avoid contact with skin, eyes and clothing. Use good personal hygiene and housekeeping. After use, wash hands and exposed skin with soap and water. Do not eat, drink, or smoke while handling product. Observe precautions found on label. Keep away from heat, sparks, and flame. Keep container closed after each use. Ground and bond all containers when transferring. Refer to Section 8 for suggested exposure controls and personal protection. Observe precautions found on label

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions

Store containers in a cool, dry location, away from direct sunlight, heat, sparks, flame, other light sources, or sources of intense heat. Store in accordance with National Fire Protection Association recommendations. Check inhibitor levels periodically, adding to the bulk material if needed. Maintain at a minimum, the original 2-inch headspace in the product container and do not blanket or mix with oxygen-free gas as it renders the inhibitor ineffective. Vapors are uninhibited and may form polymers in vents or flame arresters, resulting in blockage of vents. Product residue may remain in empty containers. Observe all label precautions until the container is cleaned, reconditioned, or destroyed.

Incompatible Materials

Strong oxidizers, strong reducers, free radical initiators, inert gases, oxygen scavengers.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Methacrylic Acid 79-41-4		20 ppm TWA	NIOSH: 20 ppm TWA; 70 mg/m3 TWA

Engineering Controls

Use local explosion-proof ventilation that is adequate to keep employee exposure to airborne concentrations below exposure limits. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Personnel Protective Equipment (PPE)

Respiratory Protection

A respirator should be worn whenever workplace conditions warrant a respirators use. None required if airborne concentrations are maintained below the exposure limit listed above. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134 or other appropriate governing standard.

Eye/Face Protection

Wear safety glasses, chemical goggles when splashing is possible, when dealing with this material. If necessary, refer to U.S. OSHA 29 CFR §1910.133, or other appropriate governing standard. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.

Skin and Body Protection

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact:
Material: Nitrile rubber
Minimum layer thickness: 0.4 mm
Break through time: 480 min

Splash contact:
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 120 min

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. An eyewash station and a safety shower are recommended. Food, beverages, and tobacco products should not be carried, stored, or consumed where this material is in use. Wash hands thoroughly before eating, drinking, or smoking.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear	**Physical State:** Liquid
Odor: Pungent	**Flash Point:** 151 F,66 C
Flammable Limit (Air Volume%, Lower/Upper) 0%	**Autoignition Temperature:** 68°C
Evaporation Rate	**Boiling Range (low - high)** 159°C
Specific Gravity 0	

SECTION 10 - STABILITY AND REACTIVITY

Note: Materials listed as stable may become unstable up depletion of inhibitors (such as mequinol or hydroquinone), contact the manufacturer for exact levels and instructions on inhibitor maintenance.

Material stability
Unstable

Incompatible materials
No data available

Hazardous decomposition products
No data available

Possibility of hazardous reactions
Hazardous polymerization will not occur.

SECTION 11- TOXICOLOGICAL INFORMATION

Mixture Toxicity
Oral Toxicity: 1,060mg/kg
Dermal Toxicity: 500mg/kg
Inhalation Toxicity: 7mg/L

Component Toxicity
79-41-4 Methacrylic Acid
Oral: 1,060 mg/kg (Rat) Dermal: 500 - (Rabbit) Inhalation: 7 mg/L (Rat)

Routes of Exposure
Ingestion

Target Organs
Eyes **Skin** **Respiratory System**

Effects of Overexposure

Product Components Listed as Carcinogenic

CAS Number	Description	% Weight	Carcinogen Rating
None			No data available

SECTION 12 - ECOLOGICAL INFORMATION

Component Ecotoxicity

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

It is the responsibility of the generator to determine at the time of disposal whether the product meets the criteria of a hazardous waste. When discarded as shipped it is a hazardous waste by the EPA under RCRA. After addition of excess inhibitor, dispose waste material in accordance with Federal, State, and Local regulations. Comply with all applicable federal, state and local regulations. Waste disposal options include landfilling solids at permitted sites. Incinerate in a chemical incinerator equipped with an afterburner and scrubber. Use registered transporters.

Contaminated Packaging

Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards, due to residual flammable material, associated with empty containers. Dispose of all empty containers properly, in accordance with Federal, State and Local regulations

SECTION 14 - TRANSPORTATION

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
DOT	METHACRYLIC ACID, STABILIZED	UN2531	II	8
IATA	METHACRYLIC ACID, STABILIZED	UN2531	II	8
IMDG	METHACRYLIC ACID, STABILIZED F-A, S-B	UN2531	II	8

SECTION 15 - REGULATORY INFORMATION

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:
- None

SARA 313
- None

US State Right-to-Know Regulations
- None

SECTION 16 - OTHER INFORMATION

Hazardous Material Information System (HMIS)

HMIS & NFPA Hazard Rating Legend
*** = Chronic Health Hazard**
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)

THIS SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH FEDERAL REGULATIONS (29 CFR 1910.1200) CANADIAN WHMIS REGULATIONS, ANY APPLICABLE STATE AND LOCAL REGULATIONS SHOULD BE CONSULTED. THE ABOVE INFORMATION MAY BE BASED IN PART ON INFORMATION PROVIDED BY COMPONENT SUPPLIERS AND IS BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OF THESE DATA, THE RESULTS TO BE OBTAINED FROM THE USE OF THE MATERIAL, OR THE HAZARDS CONNECTED WITH SUCH USE. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATE HEREOF MAY SUGGEST MODIFICATION OF THE INFORMATION, WE ASSUME NO RESPONSIBILITY FOR THE RESULT OF ITS USE. THIS INFORMATION AND MATERIAL IS FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS/HER OWN DETERMINATION AS TO THE SUITABILITY OF THE MATERIAL FOR HIS/HER PARTICULAR PURPOSE AND ON THE CONDITION THAT HE/SHE ASSUME THE RISK OF HIS/HER USE THEREOF.

END OF SDS

Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Hazardous Products Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS), and the European Union Directives.

1 Product and Supplier Identification

1.1	**Product:**	**Soak Off**
1.2	**Product Use:**	**Cosmetic Nail Gel/Acrylic Remover Solution/Solvent**
1.3	**Producer:**	**Haigh Industries Inc.** **#5-8118 North Fraser Way** **Burnaby BC Canada** **V5J 0E5** **Telephone: (604) 278-5851**
1.4	**Supplier:**	**As above**
1.5	**Emergencies (24-hour number):**	**+1(604) 278-5851**

2 Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification:
Eye Irritation: Category 2A
Flammable Liquids: Category 2
Specific Target Organ Toxicity – Single Exposure: Category 3

GHS Label Elements
Pictogram:

Signal Word: Warning

GHS Hazard Statements:

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

GHS Precautionary Statements:

Prevention:

P210	Keep away from heat, hot surface, sparks, open flames and other ignition sources. No Smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264+265	Wash skin thoroughly after handling. Do not touch eyes.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection**.**

Response:

P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P317	If eye irritation persists: Get emergency medical help.
P370+P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Disposal:

P501	Dispose of contents/containers to an approved waste disposal plant.

2.2 Hazards not otherwise classified (HNOC) or not covered by GHS: Repeated exposure may cause skin dryness or cracking.

2.3 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Ingestion:	Yes
Inhalation:	Yes

Effects of Short Term (Acute) Exposure:

Inhalation: This product is a mild respiratory irritant. Vapours may cause drowsiness and dizziness.

Skin Contact: May cause dry skin or cracking.

Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Medical Conditions Aggravated by Exposure: Persons susceptible to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3 Composition

3.1 Mixture Composition

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification
Acetone	67-64-1	200-662-2	80-90	Eye Irritation (Category 2A): H319 Flammable Liquids (Category 2): H225 STOT – SE (Category 3) H336
Ethyl Acetate	141-78-8	205-500-4	10-15	Eye Irritation (Category 2A): H319 Flammable Liquids (Category 2): H225 STOT – SE (Category 3) H336
Simmondsia Chinensis Seed Oil (Jojoba Oil)	90045-98-0	N/A	1-2	None assigned
Aloe Baradensis Leaf Extract	85507-69-3	287-390-8	1-2	None assigned
Fragrance			0.05	None assigned
Blue 1 – CI 42090	15792-67-3	239-897-0	>0.001	None assigned
Red 28 – CI 45410	18472-87-2	242-355-6	>0.001	None assigned

4 First Aid Measures

4.1 Description of First Aid Measures

In Case of Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 to 30 minutes or until the chemical is removed, while holding the eyelid(s) open. Remove contact lenses if present and easy to do so. Seek medical advice.

In Case of Skin Contact: Remove contaminated clothing and shoes. Rinse skin with water/shower.

If Inhalation: Remove source of contamination or move victim to fresh air. If breathing is stopped, administer artificial respiration. Consult a physician.

If Ingestion: Do NOT induce vomiting. Rinse out mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on left side with head down to prevent aspiration of liquid into lungs. If swallowed, seek medical advice immediately.

4.2 Most Important Symptoms and Effects Acute and Delayed

Effects of Short-Term (Acute) Exposure:

Inhalation: Vapours may cause drowsiness and dizziness. Mild respiratory irritant.

Skin Contact: Repeated exposure may cause skin dryness or cracking.

Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Effects of Long-Term (Chronic) Exposure: Repeated exposure may cause skin dryness or cracking,

Medical Conditions Aggravated by Exposure: Persons susceptible to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Treat symptomatically.

5 Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Carbon dioxide (CO2), dry chemical, alcohol resistant foam.

Unsuitable extinguishing media: Do not use a solid water stream as it may spread the fire.

5.2 Special Hazards Arising from Mixture

Highly flammable. May be ignited by open flame. Vapours are heavier than air and may spread along floors. Fire or intense heat may cause violent rupture of packages. The pressure in sealed containers can increase under the influence of heat. Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for Firefighters

Do not enter fire area without proper protection. Fight fire from a safe distance, upwind. Wear self-contained breathing apparatus and protective suit.

5.4 Further Information

Remove container from danger zone and cool with water. Prevent extinguishing water from contaminating surface water or the ground water system.

Sensitivity to Impact: No

Sensitivity to Static Discharge: Yes

6 Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Wear suitable protective equipment. Ventilate area. Extinguish any sources of ignition. Avoid breathing mist, vapour, dust, fumes, and spray. Keep people away from and upwind of spill/leak.

6.2 Environmental Precautions

Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and Materials for Containment and Cleanup

Remedial Measures: Ventilate the area. Prevent further leakage or spillage if safe to do so. Use only non-sparking tools. Remove all sources of ignition. Evacuate personnel to safe areas. Contaminated absorbent material may pose the same hazards as the spilled product. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Large Spills: For large spills, dike area and prevent leakage into waterways or sanitary sewers. Recover using spark proof equipment and store in approved vented containers for re-use or disposal.

Small Spills: Small spills may be absorbed on an inert medium such as vermiculite or clay, then sweep into vented disposal containers.

6.4 Reference to Other Sections

For disposal, see section 13.

7 Handling and Storage

7.1 Precautions for Safe Handling

Handling Procedures: Wear proper protective equipment when handling this material. Only use non-sparking tools when handling this material. Use only in a well-ventilated area. Avoid breathing vapours. Avoid contact with skin, eyes, and clothing. Keep away from incompatibles. Keep away from heat, sparks, and open flame. No smoking. Keep containers closed when not in use. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Wash thoroughly after handling.

7.2 Conditions for Safe Storage

Store in a cool/well-ventilated place. Inspect periodically for damage or leaks.

7.3 Specific End Use(s)

No other uses except those mentioned in Section 1.2.

8 Exposure Controls and Personal Protection

8.1 Control Parameters

Components with Workplace Control Parameters:

Component	Exposure Limits	Basis	Notes
Ethyl Acetate CAS No. 14178-8 EINECS No. 205-500-4 Attracter	400 ppm (1440 mg/m^3) (TWA)	Canada, Alberta (OEL)	None
	150 ppm (TWA)	Canada British Columbia (OEL)	None
	400 ppm (1440 mg/m^3) (TWAEV)	Quebec (Regulation respecting health and safety) Schedule 1 Part 1: Permissible exposure values for airborne contaminates	None
	400 ppm (TWA)	USA (TLV)	None
	400 ppm (1400 mg/m^3) (TWA)	France (OEL)	None
	400 ppm (1500 mg/m^3) (TWA)	Germany (OEL)	Exposure factor 2
	400 ppm (1400 mg/m^3) (TWA)	Greece (OEL)	None
	200 mg/m^3 (TWA) 600 mg/m^3 (STEL)	Poland (OEL)	None
	400 ppm (1460 mg/m^3) (TWA)	Spain (OEL)	None
Acetone CAS No. 67-64-1 EINECS No. 200-662-2	250 ppm (TWA)	ACGIH	None
	500 ppm (STEL)	ACGIH	None
	250 ppm (590 mg/m^3) (TWA)	NIOSH REL	None
	1000 ppm (2400 mg/m^3) (TWA)	OSHA Z-1	None
	750 ppm (1800 mg/m^3) (TWA)	OSHA P0	None
	1000 ppm (2400mg/m^3) (STEL)	OSHA P0	None

8.2 Exposure Controls

Engineering Controls: Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practical this should be achieved using local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

Respiratory Protection: General and local exhaust ventilation is recommended to maintain vapour exposures below recommended limits. In case of insufficient ventilation or where concentration is unknown, wear suitable respiratory equipment. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

Skin Protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact. Wear sufficient clothing to prevent skin contact.

Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to splashing or spraying liquid. Contact lenses should not be worn.

Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use. Do not eat drink or smoke when using this product.

Control of Environmental Exposure: Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9 Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance:	Clear liquid
Odour:	Ketone
Odour Threshold:	Not available
pH:	Not available
Melting Point/Freezing Point:	-94°C (based on ingredients)
Initial Boiling Point:	56°C (based on ingredients)
Flash Point:	-18°C (based on ingredients)
Evaporation Rate:	5.6
Upper Flammable Limit:	12.8% (based on ingredients)
Lower Flammable Limit:	2.5% (based on ingredients)
Vapour Pressure:	24.1 kPa @ 20°C (based on ingredients)
Vapour Density:	2.0
Relative Density:	0.791 @ 25°C (water=1)
Solubility:	Completely soluble
Partition Coefficient:	Log P(oct) = 0.24
Autoignition Temperature:	456˚C (based on ingredients)
Decomposition Temperature:	No data
Viscosity:	No data
Explosive Properties:	May be sensitive to static discharge.
Oxidizing Properties:	No data

9.2 Other Safety Information
None

10 Stability and Reactivity

10.1 Reactivity
Not normally reactive.

10.2 Chemical Stability
Stable under normal conditions.

10.3 Possibility of Hazardous Reaction
Exothermic reaction with:
Fluorine
Chlorosulfonic Acid
Strong Oxidizing Agents
Fuming Sulfuric Acid

Risk of explosion with:
Lithium Aluminium Hydride
Alkali Metals
Hydrides
Alkaline Earth Metals
Vapours may form explosive mixtures with air

Violent reactions possible with:
Strong Acids and Strong Bases

10.4 Conditions to Avoid
Keep away from heat, flame, sparks and other ignition sources.

10.5 Incompatible Materials
Strong oxidizing agents, aluminum, acids, bases, halogenated compounds, acid anhydrides, amines, rubber and various plastics.

10.6 Hazardous Decomposition Products
In the event of a fire, the following can be released: Carbon oxides and other unidentified organic compounds.

11 Toxicological Information

11.1 Information on Toxicological Effects
Note to reader: We do not test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.

Acute Toxicity

Component	LD_{50}	LC_{50}
Acetone CAS No. 67-64-1 EINECS No. 200-662-2	5800 mg/kg (oral/rat) >15800 mg/kg (dermal/rabbit)	30000 ppm (inhale/rat/4hr)
Ethyl Acetate CAS No. 14178-8 EINECS No. 205-500-4	5620 mg/kg (oral/rat) >20000 mg/kg (dermal/rabbit)	19600 ppm (inhale/rat/4hr)

Abbreviation Key: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available.

11.2 Skin Corrosion/Irritation
May cause mild skin irritation.

11.3 Serious Eye Damage/Eye Irritation
Components of this mixture may cause eye irritation, H319, Category 2A, Warning

11.4 Respiratory or Skin Sensitization
May cause mild respiratory or skin irritation. Inhalation may cause headache, pain, nausea, vomiting or other central nervous effects.

11.5 Germ Cell Mutagenicity
Contains no ingredients listed as a mutagen

11.6 Carcinogenicity
Contains no ingredients listed as a carcinogen.

11.7 Reproductive Toxicology
Not expected to have other reproductive effects.

11.8 Specific Target Organ Toxicity – Single Exposure
Components of this mixture may cause drowsiness or dizziness, H336, Category 3, Warning

11.9 Specific Target Organ Toxicity – Repeated Exposure
May cause skin dryness or cracking.

11.10 Aspiration Hazard
No information available.

11.11 Additional Information
None

Soak Off

12 Ecological Information

12.1 Toxicity

To Fish:

Acetone	LC_{50}	96H	6210-8120 mg/L (Fathead Minnow)
Ethyl Acetate	LC_{50}	96H	230 mg/L (Fathead Minnow)

To Algae:

Acetone	No data available		
Ethyl Acetate	NOEC	72H	>100 mg/L (Green Algae)

To Daphina:

Acetone	EC_{50}	48H	12600-12700 mg/L
Ethyl Acetate	No data available		

12.2 Persistence and Degradability

This product has not been tested. Acetone and Ethyl Acetate are considered readily biodegradable.

12.3 Bio accumulative Potential

No data available

12.4 Mobility in Soil

No data available

12.5 Results of PBT and vPvB Assessment

Not conducted

12.6 Other Adverse Effects

No data available

13 Disposal Considerations

13.1 Waste Treatment Methods

Product: Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.

Contaminated Packaging: Dispose as above.

14 Transport Information

Transport of Dangerous Goods (TDG and CLR):

UN Number	UN1993
UN Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. (Acetone, Ethyl Acetate)
UN Transport Hazard Class(es)	3
Packing Group	II
Labels	3

International Air Transport Association (IATA):

UN Number	UN1993
UN Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. (Acetone, Ethyl Acetate)
UN Transport Hazard Class(es)	3
Packing Group	II

Labels	3
Additional Information	Refer to the appropriate Packing Instruction, prior to shipping this material. Review all State and Operator Variations, prior to shipping this material.

International Maritime Organization (IMO):

UN Number	UN1993
UN Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. (Acetone, Ethyl Acetate)
UN Transport Hazard Class(es)	3
Packing Group	II
Labels	3
Additional Information	May be shipped as LIMITED QUANTITY when transported in containers no larger than 1.0 Litre, in packages not exceeding 30 kg gross mass.

15 Regulatory Information

15.1 CANADIAN FEDERAL REGULATIONS
CEPA, DOMESTIC SUBSTANCES LIST: Listed

15.2 UNITED STATES FEDERAL REGULATIONS
TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.

California Proposition 65: No ingredients listed.

OSHA (29 CFR 1910 Subpart Z): Meets criteria for a hazardous substance.

CERCLA (40 CFR 302): No ingredients listed.

SARA 302 (40 CFR 355): No ingredients listed.

SARA 313 (40 CFR 372): No ingredients listed

SARA 311/312 (40 CFR 370): Flammable, serious eye damage or irritation, specific target organ toxicity (single or repeated exposure)

Massachusetts Right to Know: Acetone

New Jersey Right to Know: Acetone

Pennsylvania Right to Know: Acetone

16 Other Information

Original Preparation Date: April 22, 2022

Prepared By: Haigh Industries Inc.
#5-8118 North Fraser Way
Burnaby BC
Canada V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment

and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Haigh Industries Inc.

Revisions: None

Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Hazardous Products Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS), and the European Union Directives.

1 Product and Supplier Identification

1.1	**Product:**	**Sure Bond**
1.2	**Product Use:**	**Bonding Agent**
1.3	**Producer:**	**Haigh Industries Inc.** **#5-8118 North Fraser Way** **Burnaby BC Canada** **V5J 0E5** **Telephone: (604) 278-5851**
1.4	**Supplier:**	**As above**
1.5	**Emergencies (24-hour number):**	**+1(604) 278-5851**

2 Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification:

Skin Irritation: Category 2
Eye Irritation: Category 2A
Skin Sensitization: Category 1
Flammable Liquids: Category 2
Specific Target Organ Toxicity – Single Exposure: Category 3

GHS Label Elements
Pictogram:

Signal Word: Warning

GHS Hazard Statements:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic reaction.

H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H402	Harmful to aquatic life.

GHS Precautionary Statements:

Prevention:

P210	Keep away from heat, hot surface, sparks, open flames and other ignition sources. No Smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264+265	Wash skin thoroughly after handling. Do not touch eyes.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release into environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection**.**

Response:

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see Section 4).
P319	Get medical help if you feel unwell.
P332+P317	IF SKIN irritation occurs: Gel emergency medical help.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P317	If eye irritation persists: Get emergency medical help.
P370+P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Disposal:

P501	Dispose of contents/containers to an approved waste disposal plant.

2.2 Hazards not otherwise classified (HNOC) or not covered by GHS: Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions. Repeated exposure may cause skin dryness or cracking.

2.3 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Ingestion:	No
Inhalation:	Yes

Emergency Overview: This product contains ingredients which may cause mild eye and skin irritation in some people. For eye contact, symptoms may include a moderate burning sensation, tearing, redness, or swelling. Contact with skin may cause an allergic reaction due to prior sensitization. Local redness, rash, or

itchy skin may occur in those persons with a pre-existing sensitivity or those predisposed to skin problems. In rare cases an allergic skin reaction may occur after long term contact with this product.

Effects of Short Term (Acute) Exposure:
Inhalation: This product is a mild respiratory irritant. Vapours may cause drowsiness and dizziness.

Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.

Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermatitis or aggravate existing skin problems.

Medical Conditions Aggravated by Exposure: Persons susceptible to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3 Composition

3.1 Mixture Composition

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification
Isopropyl Alcohol	67-63-0	200-661-7	90-100	Acute Toxicity – Oral (Category 4): H302 Eye Irritation (Category 2A): H319 Flammable Liquids (Category 2): H225 STOT – SE (Category 3) H336
Butyl Methacrylate	97-88-1		0.5-1.5	
Ethyl Methacrylate	97-63-2	202-597-5	<1	

4 First Aid Measures

4.1 Description of First Aid Measures

In Case of Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 to 30 minutes or until the chemical is removed, while holding the eyelid(s) open. Remove contact lenses if present and easy to do so. Seek medical advice.

In Case of Skin Contact: Remove contaminated clothing and shoes. Rinse skin with water/shower.

If Inhalation: Remove source of contamination or move victim to fresh air. Consult a physician.

If Ingestion: Do NOT induce vomiting. Rinse out mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on left side with head down to prevent aspiration of liquid into lungs. If swallowed, seek medical advice immediately.

4.2 Most Important Symptoms and Effects Acute and Delayed

Effects of Short-Term (Acute) Exposure:
Inhalation: Vapours may cause drowsiness and dizziness. Mild respiratory irritant.

Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.

Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermatitis or aggravate existing skin problems.

Medical Conditions Aggravated by Exposure: Persons susceptible to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

In the event of an allergic reaction, immediate medical help is required. Allergic reactions may result in various health effects including respiration.

5 Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Carbon dioxide (CO2), dry chemical, alcohol resistant foam, water fog
Unsuitable extinguishing media: Do not use a solid water stream as it may spread the fire.

5.2 Special Hazards Arising from Mixture

Highly flammable. May be ignited by open flame. Vapours are heavier than air ans may spread along floors. The product is insoluble and floats on water. May polymerize when heated or on contact with incompatible materials. Fire or intense heat may cause violent rupture of packages. The pressure in sealed containers can increase under the influence of heat. Thermal decomposition may produce irritating/toxic fumes/gases.

5.3 Advice for Firefighters

Do not enter fire area without proper protection. Fight fire from a safe distance, upwind. Wear self-contained breathing apparatus and protective suit.

5.4 Further Information

Remove container from danger zone and cool with water. Prevent extinguishing water from contaminating surface water or the ground water system.

Sensitivity to Impact: No

Sensitivity to Static Discharge: Yes

6 Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Wear suitable protective equipment. Ventilate area. Extinguish any sources of ignition. Avoid breathing mist, vapour, dust, fumes, and spray. Keep people away from and upwind of spill/leak.

6.2 Environmental Precautions

Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and Materials for Containment and Cleanup

Remedial Measures: Ventilate the area. Prevent further leakage or spillage if safe to do so. Use only non-sparking tools. Clean with detergents. Avoid solvents. Do not flush into surface water or sanitary sewer system. Contaminated absorbent material may pose the same hazards as the spilled product. Contact proper local authorities.

Large Spills: For large spills, dike area and prevent leakage into waterways or sanitary sewers. Recover using spark proof equipment and store in approved vented containers for re-use or disposal.

Small Spills: Small spills may be absorbed on an inert medium such as vermiculite or clay, then sweep into vented disposal containers.

6.4 Reference to Other Sections

For disposal, see section 13.

7 Handling and Storage

7.1 Precautions for Safe Handling

Handling Procedures: Wear proper protective equipment when handling this material. Only use non-sparking tools when handling this material. Persons with recurrent skin eczema or sensitization problems should be excluded from working with this product. Once a person is sensitized, no further exposure to the material that caused the sensitization should be permitted. Use only in a well-ventilated area. Avoid breathing vapours. Avoid contact with skin, eyes, and clothing. Keep away from incompatibles. Keep away from heat, sparks, and open flame. No smoking. Keep containers closed when not in use. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Wash thoroughly after handling.

7.2 Conditions for Safe Storage

Store in a cool/well-ventilated place. Inspect periodically for damage or leaks. Protect from sunlight. Store away from heat. Recommended storage temperature: 1-30˚C.

7.3 Specific End Use(s)

No other uses except those mentioned in Section 1.2.

8 Exposure Controls and Personal Protection

8.1 Control Parameters

Components with Workplace Control Parameters:

Component	Exposure Limits	Basis	Notes
Ethyl Acetate CAS No. 14178-8 EINECS No. 205-500-4	400 ppm (1440 mg/m^3) (TWA)	Canada, Alberta (OEL)	None
	150 ppm (TWA)	Canada British Columbia (OEL)	None
	400 ppm (1440 mg/m^3) (TWAEV)	Quebec (Regulation respecting health and safety) Schedule 1 Part 1: Permissible exposure values for airborne contaminates	None
	400 ppm (TWA)	USA (TLV)	None
	400 ppm (1400 mg/m^3) (TWA)	France (OEL)	None
	400 ppm (1500 mg/m^3) (TWA)	Germany (OEL)	Exposure factor 2
	400 ppm (1400 mg/m^3) (TWA)	Greece (OEL)	None
	200 mg/m^3 (TWA) 600 mg/m^3 (STEL)	Poland (OEL)	None
	400 ppm (1460 mg/m^3) (TWA)	Spain (OEL)	None

8.2 Exposure Controls

Engineering Controls: Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practical this should be achieved using local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.

Skin Protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact. Wear sufficient clothing to prevent skin contact.

Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to splashing or spraying liquid. Contact lenses should not be worn.

Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use.

Control of Environmental Exposure: Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9 Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance:	Clear liquid
Odour:	Ester-like odour
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	-83°C (based on ingredients)
Initial Boiling Point:	77°C (based on ingredients)
Flash Point:	3.3°C
Evaporation Rate:	6.2
Upper Flammable Limit:	11.5% (based on ingredients)
Lower Flammable Limit:	2.0% (based on ingredients)
Vapour Pressure:	9.73 kPa @ 20°C (based on ingredients)
Vapour Density:	>1.0
Relative Density:	0.94 @ 25°C (water=1)
Solubility:	Negligible in water
Partition Coefficient:	Log P(oct) = 0.66
Autoignition Temperature:	427˚**C** (based on ingredients)
Decomposition Temperature:	No data
Viscosity:	No data
Explosive Properties:	Not explosive. May be sensitive to static discharge.
Oxidizing Properties:	No data

9.2 Other Safety Information

None

10 Stability and Reactivity

10.1 Reactivity
Product may become reactive if inhibitor is depleted.

10.2 Chemical Stability
Stable as supplied.

10.3 Possibility of Hazardous Reactions
High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may initiate spontaneous polymerization, generating heat and pressure. Closed containers may rupture during hazardous polymerization.

Exothermic reaction with:
Fluorine
Chlorosulfonic Acid
Strong Oxidizing Agents
Fuming Sulfuric Acid

Risk of explosion with:
Lithium Aluminium Hydride
Alkali Metals
Hydrides
Alkaline Earth Metals

Violent reactions possible with:
Strong Acids and Strong Bases

10.4 Conditions to Avoid
Exposure to heat, light and moisture. Do not use in areas without adequate ventilation.

10.5 Incompatible Materials
Strong oxidizing agents, strong reducing agents, free radical initiators, inert gases, oxygen scavengers, peroxides, amines, sulfur compounds, heavy metal ions, alkalis and various plastics.

10.6 Hazardous Decomposition Products
Carbon monoxide, carbon dioxide and various oxides of nitrogen.

11 Toxicological Information

11.1 Information on Toxicological Effects
Note to reader: We do not test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.

Acute Toxicity

Component	LD_{50}	LC_{50}
Ethyl Acetate CAS No. 14178-8 EINECS No. 205-500-4	5620 mg/kg (oral/rat) >20000 mg/kg (dermal/rabbit)	N/av
Isopropylidenediphenyl Bisoxyhydroxypropyl Methacrylate CAS No. 1565-94-2 EINECS No. 216-367-7	N/av	N/av
HEMA (2-Hydroxyethyl Methacrylate) CAS No. 868-77-9 EINECS No. 212-782-2	>5000 mg/kg (oral/rat) >5000 mg/kg (dermal/rabbit)	N/av

Abbreviation Key: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available.

11.2 Skin Corrosion/Irritation

Components of this mixture may cause skin irritation, H315, Category 2, Warning

11.3 Serious Eye Damage/Eye Irritation
Components of this mixture may cause eye irritation, H319, Category 2A, Warning

11.4 Respiratory or Skin Sensitization
Components of this mixture may cause skin sensitization, H317, Category 1, Warning

11.5 Germ Cell Mutagenicity
No information available.

11.6 Carcinogenicity
Not classifiable as a human carcinogen.

11.7 Reproductive Toxicology
No information available.

11.8 Specific Target Organ Toxicity – Single Exposure
Components of this mixture may cause drowsiness or dizziness, H336, Category 3, Warning

11.9 Specific Target Organ Toxicity – Repeated Exposure
No information available.

11.10 Aspiration Hazard
No information available.

11.11 Additional Information
None

12 Ecological Information

12.1 Toxicity

To Fish:

Ethyl Acetate	LC_{50}	96H	230mg/L (Fathead Minnow)
Isopropylidenediphenyl Bisoxyhydroxypropyl Methacrylate	No data available		
2-Hydroxyethyl Methacrylate	LC_{50}	96H	>100 mg/L
4-Methoxyphenol	LC_{50}	96H	28.5 mg/L (Rainbow trout)

To Algae:

Ethyl Acetate	NOEC	72H	>100 mg/L (Green Algae)
Isopropylidenediphenyl Bisoxyhydroxypropyl Methacrylate	No data available		
2-Hydroxyethyl Methacrylate	EC_{50}	72H	836 mg/L
4-Methoxyphenol	No data available		

To Daphina:

Ethyl Acetate	No data available		
Isopropylidenediphenyl Bisoxyhydroxypropyl Methacrylate	No data available		
2-Hydroxyethyl Methacrylate	EC_{50}	18H	380 mg/L
4-Methoxyphenol	No data available		

12.2 Persistence and Degradability
2-Hydroxyethyl Methacrylate photodegrades rapidly when exposed to air.
No data on other components.

12.3 Bio accumulative Potential
2-Hydroxyethyl Methacrylate and ethyl acetate are considered readily biodegradable.
Not data on other components.

12.4 Mobility in Soil
No data available

12.5 Results of PBT and vPvB Assessment
Not conducted

12.6 Other Adverse Effects
No data available

13 Disposal Considerations

13.1 Waste Treatment Methods

Product: Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.

Contaminated Packaging: Dispose as above.

14 Transport Information

Transport of Dangerous Goods (TDG and CLR):

UN Number	UN1993
UN Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. (Ethyl Acetate)
UN Transport Hazard Class(es)	3
Packing Group	II
Labels	3

International Air Transport Association (IATA):

UN Number	UN1993
UN Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. (Ethyl Acetate)
UN Transport Hazard Class(es)	3
Packing Group	II
Labels	3
Additional Information	Refer to the appropriate Packing Instruction, prior to shipping this material. Review all State and Operator Variations, prior to shipping this material.

International Maritime Organization (IMO):

UN Number	UN1993
UN Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. (Ethyl Acetate)
UN Transport Hazard Class(es)	3
Packing Group	II
Labels	3
Additional Information	May be shipped as LIMITED QUANTITY when transported in containers no larger than 1.0 Litre, in packages not exceeding 30 kg gross mass.

15 Regulatory Information

15.1 CANADIAN FEDERAL REGULATIONS
CEPA, DOMESTIC SUBSTANCES LIST: Listed

15.2 UNITED STATES FEDERAL REGULATIONS

TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.

California Proposition 65: No ingredients listed.

OSHA (29 CFR 1910 Subpart Z): Meets criteria for a hazardous substance.

CERCLA (40 CFR 302): No ingredients listed.

SARA 302 (40 CFR 355): No ingredients listed.

SARA 313 (40 CFR 372): No ingredients listed.

SARA 311/312 (40 CFR 370): Immediate (Acute) Health, Delayed (Chronic) Health

Massachusetts Right to Know: 4- Methoxyphenol (p- Hydroxyanisole)

New Jersey Right to Know: 4- Methoxyphenol (p- Hydroxyanisole)

Pennsylvania Right to Know: 4- Methoxyphenol (p- Hydroxyanisole)

16 Other Information

Original Preparation Date: April 8, 2022

Prepared By: Haigh Industries Inc.
#5-8118 North Fraser Way
Burnaby BC
Canada V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Haigh Industries Inc.

Revisions: None

Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Hazardous Products Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS), and the European Union Directives.

1 Product and Supplier Identification

1.1 Product: **Gel Play Pearlescent Powders**

1.2 Product Use: **Nail Gel Powder**

1.3 Producer:
Haigh Industries Inc.
#5-8118 North Fraser Way
Burnaby BC Canada
V5J 0E5
Telephone: (604) 278-5851

1.4 Supplier: **As above**

1.5 Emergencies (24-hour number): **+1(604) 278-5851**

2 Hazards Identification

2.1 Classification of product or mixture

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification: Not a hazardous substance or mixture.

GHS Label Elements
Pictogram: Not a hazardous substance or mixture.

Signal Word: Warning.

GHS Hazard Statements:
H333 May be harmful if inhaled.

GHS Precautionary Statements:

Response:
P304+P317 IF INHALED: Get emergency medical help.

2.2 Hazards not otherwise classified (HNOC) or not covered by GHS: None

2.3 Additional Information
Primary Routes of Entry:
Skin Contact: No

Skin Absorption:	No
Eye Contact:	No
Ingestion:	No
Inhalation:	Yes

Emergency Overview: This nail gel powder contains ingredients which are suspected of causing cancer, only by inhalation. Ensure this product is used as directed and is not used in a way to cause airborne particulate to be inhaled. This product contains ingredients which may cause mild eye and skin irritation in some people. For eye contact, symptoms may include a moderate burning sensation due to mechanical abrasion. Some tearing may occur. Contact with skin may cause minor irritation.

Effects of Short Term (Acute) Exposure:
Inhalation: Inhalation of powder dust may cause mild irritation of the respiratory tract. When used as directed of using respiratory protection as a precaution, no health effects are expected.

Skin Contact: This is a powder containing a number of fine ingredients. Some may experience mild skin itching or irritation.

Eye Contact: This product is an eye irritant only by mechanical abrasion. Irritation will cause tearing until particulate is removed.

Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: Titanium Dioxide is suspected of causing cancer through inhalation.

Medical Conditions Aggravated by Exposure: Persons susceptible to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3 Composition

3.1 Mixture Composition

Pearlescent Gold Powder contains the following:

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification
Synthetic Fluorphlogopite	12003-38-2	234-426-5	60-65	None assigned
Iron Oxide – CI 77491	1309-37-1	215-168-2	35-40	None assigned

Pearlescent Copper Powder Contains the following:

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification
Mica - CI 77019	12003-38-2	234-426-5	60-65	None assigned
Iron Oxide – CI 77491	1309-37-1	215-168-2	35-40	None assigned

Pearlescent Silver Powder contains the following:

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification
Calcium Aluminum Borosilicate	65977-17-3	265-046-0	70-75	None assigned
Silica	7631-86-9	231-545-4	15-20	None assigned
Titanium Dioxide – CI 77891	13463-67-7	236-675-5	8-12	Carcinogenicity (Category 2): H351
Tin Oxide	18282-10-10	242-159-0	0.1-1	None assigned

Pearlescent Amethyst, Emerald and Sapphire contain the following:

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification

Synthetic Fluorphlogopite	12003-38-2	234-426-5	20-60	None assigned
Titanium Dioxide – CI 77891	13463-67-7	236-675-5	40-70	Carcinogenicity (Category 2): H351
Tin Oxide	18282-10-10	242-159-0	0.1-1	None assigned
Component	**CAS No.**	**EINECS No.**	**% (w/w)**	**GHS Classification**
Synthetic Fluorphlogopite	12003-38-2	234-426-5	20-60	None assigned
Titanium Dioxide – CI 77891	13463-67-7	236-675-5	40-70	Carcinogenicity (Category 2): H351
Tin Oxide	18282-10-10	242-159-0	0.1-1	None assigned

4 First Aid Measures

4.1 Description of First Aid Measures

General Advice: Under recommended directions for use, no health effects are anticipated or expected.

In Case of Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for as long as it takes to remove the particulate from the eye. Obtain medical attention if irritation persists.

In Case of Skin Contact: Wash gently and thoroughly with water and non-abrasive soap for 2-5 minutes to remove the powder.

If Inhalation: It is important to prevent any inhalation of particulates. Remove source of contamination and or move victim to fresh air. Consult a physician.

If Ingestion: These powders are non-toxic in the small quantities provided. Ingestion is unlikely. Never give anything by mouth is victim is rapidly losing consciousness. Have victim rinse mouth thoroughly with water and dilute contents of stomach with 240-300 mL of water. Do not induce vomiting. If vomiting occurs naturally have victim lean forward to reduce risk of aspiration. If they feel unwell, seek medical attention.

4.2 Most Important Symptoms and Effects Acute and Delayed

Inhalation: Inhalation of powder dust may cause mild irritation of the respiratory tract. When used as directed of using respiratory protection as a precaution, no health effects are expected.

Skin Contact: This is a powder containing a number of fine ingredients. Some may experience mild skin itching or irritation.

Eye Contact: This product is an eye irritant only by mechanical abrasion. Irritation will cause tearing until particulate is removed.

Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: Titanium Dioxide is suspected of causing cancer through inhalation.

Medical Conditions Aggravated by Exposure: Persons susceptible to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

None.

5 Fire Fighting Measures

5.1 Extinguishing Media

Choose the fire extinguishing medium for existing fire. These products are not flammable.

5.2 Special Hazards Arising from Mixture

None

5.3 Advice for Firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further Information
Sensitivity to Impact: No

Sensitivity to Static Discharge: No

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:
HEALTH: 0
FLAMMABILITY: 0
REACTIVITY: 0

6 Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures
Respiratory Protection: In the case of a spill, cleanup may create airborne particulate. If there is any chance that the dusts from these powders is inhaled, proper respiratory protection is necessary. Use NIOSH approved N95 respirators properly fitted to prevent any dust from entering respiratory tract.

Skin Protection: Under recommended conditions of use, no skin protection is needed. If when handling these powders, any skin irritation occurs, use adequate skin protection to prevent further irritation.

Eye and Face Protection: Under recommended conditions of use, no eye protection is needed.

Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use. At minimum, an eye lavage kit should be kept on hand.

6.2 Environmental Precautions
These compounds are not injurious to the environment.

6.3 Methods and Materials for Containment and Cleanup
Remedial Measures: Wet the spill with water before attempting to clean up. This will significantly reduce the chance of dusting the powder.

Large Spills: These products are generally provided in small quantities.

Small Spills: After wetting spill, clean up used cloths. Wash the cloths thoroughly after cleaning the spilled powder.

6.4 Reference to Other Sections
For disposal, see section 13.

7 Handling and Storage

7.1 Precautions for Safe Handling
Handling Procedures: Always handle in a way to prevent the creating of airborne dusts.

7.2 Conditions for Safe Storage
Store in a dry place. Keep container tightly closed.

7.3 Specific End Use(s)

No other uses except those mentioned in Section 1.2.

8 Exposure Controls and Personal Protection

8.1 Control Parameters

Components with Workplace Control Parameters:

Component	CAS No.	Value Type	Control Parameters/Permissible concentration	Basis
General threshold limit for dust	42945	TWA (total dust) TWA (respirable fraction)	15 mg/m^3 5 mg/m^3	OSHA Z-3 OSHA Z-3
Synthetic Fluorphlogopite	12003-38-2	TWA TWA TWA (respirable fraction) TWA	2.5 mg/m^3 (Fluorine) 2.5 mg/m^3 (Fluorine) 1 mg/m^3 (Aluminum) 2.5 mg/m^3 (Fluorine)	OSHA Z-1 ACGIH ACGIH OSHA P0
Iron Oxide - 77491	1309-37-1	TWA (respirable fraction) TWA (dust and fume) TWA (fumes) TWA (total dust) TWA (respirable fraction) TWA (fumes)	5 mg/m^3 5 mg/m^3 10 mg/m^3 15 mg/m^3 5 mg/m^3 10 mg/m^3	ACGIH NIOSH REL OSHA Z-1 OSHA Z-1 OSHA Z-1 OSHA P0
Silica	7631-86-9	TWA (dust) TWA	80 mg/m^3/SiO_2 (Silica) 6 mg/m^3	OSHA Z-3 NIOSH REL
Titanium Dioxide – CI 77891	13463-67-7	TWA (total dust) TWA (total dust) TWA	15 mg/m^3 10 mg/m^3 10 mg/m^3	OSHA Z-1 OSHA P0 ACGIH
Mica – CI 77019	12001-26-2	TWA (respirable particulate matter) TWS (respirable) TWA (respirable dust fraction)	3 mg/m^3 3 mg/m^3 3 mg/m^3	ACGIH NIOSH REL OSHA P0

8.2 Exposure Controls

Engineering Controls: when using indoors and if there is a possibility of dust creation, ensure adequate ventilation by using local exhaust. Mechanical ventilation is recommended for all indoor situations to control fugitive emissions.

Respiratory Protection: If ventilation is adequate and these powders are used as directed, no respiratory protection is indicated. If there is a chance that the dusts of these powders are inhaled, proper respiratory protection is necessary. Use NIOSH approved N95 respirators properly fitted to prevent any dust from entering the respiratory tract.

Skin Protection: Under recommended conditions of use, no skin protection is needed. If when handling these powders, any skin irritation occurs, use adequate skin protection to prevent further irritation.

Eye and Face Protection: Under recommended conditions of use, not eye protection is needed.

Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use.

Control of Environmental Exposure: Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9 Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance: Powders, various colours
Odour: Odourless

Odour Threshold:	Not available
pH:	3-7 (10% slurry)
Melting Point/Freezing Point:	Not applicable
Initial Boiling Point:	Not applicable
Flash Point:	Not applicable
Evaporation Rate:	Negligible
Flammability:	Not flammable
Upper Explosion Limit:	No data
Lower Explosion Limit:	No data
Vapour Pressure:	Not applicable
Vapour Density:	No data
Relative Density:	2.2-3.0 (ware=1)
Solubility:	Negligible in water
Partition Coefficient:	Not available
Autoignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	Not applicable
Explosive Properties:	Not explosive
Oxidizing Properties:	No data

9.2 Other Safety Information
None

10 Stability and Reactivity

10.1 Reactivity
Stable and non-reactive.

10.2 Chemical Stability
Stable as supplied.

10.3 Possibility of Hazardous Reactions
None

10.4 Conditions to Avoid
Avoid dusting.

10.5 Incompatible Materials
None

10.6 Hazardous Decomposition Products
None known.

11 Toxicological Information

11.1 Information on Toxicological Effects
Note to reader: We do not test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.

Acute Toxicity

Component	LD_{50}	LC_{50}
Synthetic Fluorphlogopite CAS No. 12003-38-2 EINECS No. 234-426-5	N/av	N/av
Mica – CI 77019	>16000 mg/kg (oral/rat)	N/av

Titanium Dioxide – CI 77891 CAS No. 13463-67-7 EINECS No. 236-675-5	>25000 mg/kg (oral/rat) >3000 mg/kg (dermal/rabbit)	>6820 mg/m^3
Calcium Aluminum Borosilicate CAS No. 65977-17-3 EINECS No. 266-046-0	N/av	N/av
Silica CAS No. 7631-86-9 EINECS No. 231-545-4	>5000 mg/kg (oral/rat) >2000 mg/kg (dermal/rabbit)	N/av
Tin Oxide CAS No. 18282-10-10 EINECS No. 242-159-0	>20000 mg/kg (oral/rat)	N/av
Iron Oxide – CI 77491 CAS No. 1309-37-1 EINECS No. 215-168-2	>10000	N/av

Abbreviation Key: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available.

11.2 Skin Corrosion/Irritation
None assigned

11.3 Serious Eye Damage/Eye Irritation
None assigned

11.4 Respiratory or Skin Sensitization
None assigned

11.5 Germ Cell Mutagenicity
No information available.

11.6 Carcinogenicity
Titanium dioxide is suspected of causing cancer by inhalation, H351, Category 2.

11.7 Reproductive Toxicology
None assigned

11.8 Specific Target Organ Toxicity – Single Exposure
None assigned

11.9 Specific Target Organ Toxicity – Repeated Exposure
None assigned

11.10 Aspiration Hazard
None assigned

11.11 Additional Information
None

12 Ecological Information

12.1 Toxicity
To Fish:
No data available

To Algae:
No data available

To Daphina:
No data available

12.2 Persistence and Degradability
No data available

12.3 Bio accumulative Potential
No data available

12.4 Mobility in Soil
No data available

12.5 Results of PBT and vPvB Assessment
Not conducted

12.6 Other Adverse Effects
No data available

13 Disposal Considerations

13.1 Waste Treatment Methods
Product: Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.

Contaminated Packaging: Dispose as above.

14 Transport Information

Transport of Dangerous Goods (TDG and CLR): Not regulated

United States Department of Transport (49CFR): Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15 Regulatory Information

15.1 CANADIAN FEDERAL REGULATIONS
CEPA, DOMESTIC SUBSTANCES LIST: Listed

15.2 UNITED STATES FEDERAL REGULATIONS
TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.

California Proposition 65: This product contains a substance known to cause cancer: Titanium dioxide

OSHA (29 CFR 1910 Subpart Z): Meets criteria for a hazardous substance.

CERCLA (40 CFR 302): No ingredients listed.

SARA 302 (40 CFR 355): No ingredients listed.

SARA 313 (40 CFR 372): No ingredients listed.

SARA 311/312 (40 CFR 370): Delayed (Chronic) Health

Massachusetts Right to Know: Silica, Titanium dioxide

New Jersey Right to Know: Titanium dioxide

Pennsylvania Right to Know: Silica, Titanium dioxide

16 Other Information

Original Preparation Date: April 12, 2022

Prepared By: Haigh Industries Inc.
#5-8118 North Fraser Way
Burnaby BC
Canada V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Haigh Industries Inc.

Revisions: None

Haigh Industries Inc.

SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Controlled Product Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS) and the European Union Directives.

1. Product and Supplier Identification

1.1 Product: **UV/LED Gel Play in a Bottle: All Shades**

1.2 Product Use: **Nail Gel**

1.3 Producer: **Haigh Industries Inc.,**
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5
Telephone: (604) 278-5851

Supplier: **As above**

1.4 Emergencies (24-hour number): +1(604) 278-5851

2. Hazards Identification

2.1 Classification of product or mixture
Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification:
Skin Irritation: Category 2
Eye Irritation: Category 2A
Skin Sensitization: Category 1

2.2 GHS Label Elements, including precautionary statements

Pictogram:

Signal Word: Warning

GHS Hazard Statements:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

GHS Precautionary Statements:

Prevention:

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264+P265	Wash skin thoroughly after handling. Do not touch eyes.

P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see Section 4).
P333+P317	If skin irritation or rash occurs: Get medical help.
P337+P317	If eye irritation persists: Get medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.

Storage:

Disposal:

P501	Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: None

2.4 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Ingestion:	No
Inhalation:	Yes

Emergency Overview: This product contains ingredients which may cause mild eye and skin irritation in some people. For eye contact, symptoms may include a moderate burning sensation, tearing, redness, or swelling. Contact with skin may cause an allergic reaction due to prior sensitization. Local redness, rash, or itchy skin may occur in those persons with a pre-existing sensitivity or those predisposed to skin problems. In rare cases an allergic skin reaction may occur after long term contact with this product.

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.
Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.
Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.
Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.

Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3. Composition

3.1 Mixture composition

Component	CAS No.	EINECS No.	% (w/w)	GHS Classification
Bis-Hydroxyethyl Acrylate Poly(Neopentyl Glycol Adipate)/IPDI Copolymer	82339-15-9	N/A	50-80	Skin Irritant (Category 2): H315 Skin Sensitizer (Category 1): H317
Hydroxypropyl Methacrylate	27813-02-1	248-666-3	20-40	Skin Sensitizer (Category 1): H317 Eye Irritant (Category 2A): H319
Ethyl Trimethylbenzoyl Phenylphosphinate	84434-11-7		1-3	Skin Sensitizer (Category 1): H317 Chronic Aquatic Toxicity (Category 2): H411
Silica Silylate	68909-20-6		0.2 – 1.0	None assigned
P-Hydroxyanisole (4- Methoxyphenol)	150-76-5	205-769-8	< 0.01	Acute Toxicity Oral (Category 4): H302 Eye Irritant (Category 2A): H319 Acute Aquatic Toxicity (Category 3): H402 Chronic Aquatic Toxicity (Category 3): H412
May contain the following				
Acrylates Copolymer	25035-69-2		0-10	None assigned
Aluminum - CI 77000	7429-90-5	231-072-3	0-10	None assigned
Black 2 - CI 77266 (nano)	1333-86-4	215-609-9	0-10	None assigned
Blue 1 Lake - CI 42090	15792-67-3	239-897-0	0-10	None assigned
Calcium Aluminum Borosilicate	65997-17-3	266-046-0	0-10	None assigned
Calcium Sodium Borosilicate	65997-17-3	266-046-0	0-10	None assigned
Chromium Oxide Green - CI 77288	1308-38-9	215-160-9	0-10	None assigned
Ferric Ferrocyanide - CI 77510	14038-43-8	237-875-5	0-10	None assigned
Iron Oxide - CI 77491	1309-37-1	215-168-2	0-10	None assigned
Iron Oxide - CI 77492	51274-00-1	257-098-5	0-10	None assigned
Iron Oxide - CI 77499	12227-89-3	235-442-5	0-10	None assigned
Manganese Violet - CI 77742	10101-66-3	233-257-4	0-10	None assigned
Mica	12001-26-2	310-127-6	0-10	None assigned
Polyethylene Terephthalate	25038-59-9		0-10	None assigned
Polypropylene	9003-07-0		0-10	None assigned
Polyurethane-11	68258-82-2		0-10	None assigned
Polyurethane-33	125826-44-0		0-10	None assigned
Red 22 - CI 45380	17372-87-1	241-409-6	0-10	None assigned
Red 27 Lake - CI 45410	13473-26-2	282-941-9	0-10	None assigned
Red 28 - CI 45410	18472-87-2	242-355-6	0-10	None assigned
Red 30 Lake - CI 73360	2379-74-0	219-163-6	0-10	None assigned
Red 33 Lake - CI 17200	3567-66-6	222-656-9	0-10	None assigned
Red 34 - CI 15880	6417-83-0	229-142-3	0-10	None assigned
Red 36 - CI 12085	2814-77-9	220-562-2	0-10	None assigned
Red 40 - CI 16035	25956-17-6	247-368-0	0-10	None assigned
Red 6 - CI 15850	5858-81-1	227-497-9	0-10	None assigned
Red 7 Lake - CI 15850	5281-04-9	226-109-5	0-10	None assigned
Silica	7631-86-9	231-545-4	0-10	None assigned
Silver - CI 77820	7440-22-4	231-131-3	0-10	None assigned
Synthetic Fluorphlogopite	12003-38-2	234-426-5	0-10	None assigned

Tin Oxide - CI 77861	18282-10-5	242-159-0	0-1	None assigned
Titanium Dioxide - CI 77891	13463-67-7	236-675-5	0-10	Carcinogenicity (Category 2): H351
Ultramarine Blue - CI 77007	57455-37-5	309-928-3	0-10	None assigned
Violet 2 - CI 60725	81-48-1	201-353-5	0-10	None assigned
Yellow 10 Lake - CI 47005	68814-04-0	285-989-9	0-10	None assigned
Yellow 5 Lake - CI 19140	12225-21-7	235-428-9	0-10	None assigned

4. First Aid Measures

4.1 Description of First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the physician in attendance. Move away from dangerous area. Remove contaminated clothing. Completely decontaminate clothing, shoes and leather goods before re-use or discard.
In case of eye contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 to 30 minutes or until the chemical is removed, while holding the eyelid(s) open. Obtain medical attention immediately or transport to a medical facility and continue to flush the eyes en route.
In case of skin contact: Wash gently and thoroughly with water and non-abrasive soap for at least 20 minutes or until chemical is removed. If signs of sensitization or irritation occur, obtain medical advice.
If inhalation: Remove source of contamination or move victim to fresh air. If breathing is difficult, give artificial respiration. If breathing is difficult oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow the victim to move about unnecessarily. Consult a physician.
If ingestion: Ingestion unlikely. Never give anything by mouth if victim is rapidly losing consciousness. Have victim rinse mouth thoroughly with water. **Do not induce vomiting**. Dilute contents of stomach with 240 to 300 ml of water. If vomiting occurs naturally have victim lean forward to reduce risk of aspiration. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Effects of Short-Term (Acute) Exposure:

Inhalation: Due to the low volatility of this product, no significant adverse health conditions are expected to occur during the proper use of this product. In rare cases some respiratory irritation may occur.
Skin Contact: It is expected that absorption through the skin will contribute to overall exposure. Contact with skin may cause an immediate allergic reaction in persons who may be sensitized by previous exposures. Symptoms may include an immediate rash, local redness, or itching of the skin.
Eye Contact: This product is an eye irritant. Exposure to the eye may cause symptoms which include a burning sensation, tearing, redness and swelling.
Ingestion: No adverse health effects are expected if a small amount of this product is accidentally ingested.
Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermititis or aggravate existing skin problems.
Medical Conditions Aggravated By Exposure: Persons susceptable to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of any immediate medical attention and special treatment needed

In the event of an allergic reaction, immediate medical help is required. Allergic reactions may result in various health effects including respiration.

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Dry chemical, carbon dioxide, water spray, foam, or water fog.

5.2 Special hazards arising from mixture: Carbon dioxide, carbon monoxide, oxides of nitrogen, undetermined organic compounds in acrid smoke.

5.3 Advice for firefighters: Do not enter fire area without proper protection. Fight fire from a safe distance, upwind. Use of water may be ineffective due to low solubility. If water is used, direct fine spray or fog at fire to cool and extinguish flames.

5.4 Further Information:

Sensitivity to Impact: No
Sensitivity to Static Discharge: No

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:
HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.
Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.
Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.
Footwear: No specific recommendation.
Other: Emergency eyes wash fountains should be available in vicinity of use. At minimum, an eye lavage kit should be kept on hand.

6.2 Environmental precautions
Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and materials for containment and cleanup

Remedial Measures: Wash spill area with strong detergent and water solution, rinse with minimal water, if possible.
Large Spills: For large spills, dike area and prevent leakage into waterways or sanitary sewers. Recover using spark proof equipment and store in approved vented containers for re-use or disposal.
Small Spills: Small spills may be absorbed on an inert medium such as vermiculite or clay, then sweep into vented disposal containers.

6.4 Reference to other sections
For disposal, see section 13

7. Handling and Storage

7.1 Precautions for safe handling

Handling Procedures: Wear proper protective equipment when handling this material. Only use non-sparking tools when handling this material.

7.2 Conditions for safe storage, including incompatibilities

Storage: Store indoors in a well-ventilated area where the storage temperature can be maintained between 1ºC and 38ºC. Storage above 38ºC will result in reduced product life. Store in tightly closed containers away from heat, sparks, open flame, strong oxidizers, radiation and other initiators. Prevent contamination with foreign materials, including moisture.

7.3 Specific end use(s)

No other uses except those mentioned in Section 1.2

8. Exposure Controls/Personal Protection

8.1 Control parameters

Components with workplace control parameters

Note: Silica and titanium dioxide have respiratory exposure controls, but since these components are bound into the product and are not capable of becoming airborne, exposure controls need not be listed.

8.2 Exposure controls

Engineering Controls: When using indoors, ensure adequate ventilation by using local exhaust. Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion proof.

Respiratory Protection: Vapours will be generated particularly if product is atomized, or heated. If used or sprayed in an enclosed area, at a minimum use a NIOSH approved organic vapour respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently according to the manufacturer's recommendations. Respirator selection must be done by a qualified person and be based upon a risk assessment of the work activities and exposure levels. Respirators must be fit tested and users must be clean shaven where the respirator seals to face. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.

Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.

Eye and Face Protection: Chemical splash goggles and/or face shield must be worn when a possibility exists for eye contact due to spashing or spraying liquid. Contact lenses should not be worn.

Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use.

Control of environmental exposure

Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Viscous liquid, various colours
Odour:	Characteristic acrylic odour
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	0°C
Initial Boiling Point:	131 ºC

Flash Point:	**>**94 °C
Evaporation Rate:	Negligible
Flammability:	Not flammable
Upper Explosion Limit:	No data
Lower Explosion Limit:	No data
Vapour Pressure:	< 0.01 @ 20°C
Vapour Density:	No data
Relative Density:	1.15 @ 25°C (water=1)
Solubility:	Negligible in water
Partition Coefficient:	Not available
Autoignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	No data
Explosive Properties:	Not explosive. Not expected to be sensitive to electrostatic discharge.
Oxidizing Properties:	No data

9.2 Other safety information: None

10. Stability and Reactivity

10.1 Reactivity
Product may become reactive if inhibitor is depleted.

10.2 Chemical Stability
Stable as supplied.

10.3 Possibility of hazardous reactions
High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may initiate spontaneous polymerization, generating heat and pressure. Closed containers may rupture during hazardous polymerization.

10.4 Conditions to avoid
Exposure to heat, light and moisture.

10.5 Incompatible materials
Keep away from strong oxidizers and moisture.

10.6 Hazardous decomposition products
Carbon monoxide, carbon dioxide and various oxides of nitrogen.

11. Toxicological Information

11.1 Information on toxicological effects

Note to reader: *We do NOT test our products on animals. In compliance with current SDS preparation requirements, the values listed are published values for generic ingredients with known animal toxicity.*

Acute toxicity

Component	LD_{50}	LC_{50}
Hydroxypropyl Methacrylate CAS No. 27813-02-1 EINECS No. 248-666-3	>2000 mg/kg (oral/rat) >5000 mg/kg (dermal/rabbit)	N/av
Ethyl Trimethylbenzoyl Phenylphosphinate CAS No. 84434-11-7	>5000 mg/kg (oral/rat) >2000 mg/kg (dermal/rat)	N/av
Titanium Dioxide – CI 77891 CAS No. 13463-67-7 EINECS No. 236-675-5	>25,000 mg/kg (oral/rat) >3,000 mg/kg (dermal/rabbit)	>6820 mg/m^3
Silica CAS No. 7631-86-9 EINECS No. 231-545-4	>5000 mg/kg (oral/rat) >2000 mg/kg (dermal/rabbit)	N/av

Silica Silylate CAS No. 68909-20-6	>5000 mg/kg (oral/rat)	N/av
Tin Oxide CAS No. 18282-10-10 EINECS No. 242-159-0	>20,000 mg/kg (oral/rat)	N/av

ABBREVIATION KEY: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available

Skin corrosion/irritation
Components of this mixture may cause skin irritation, H315, Category 2, Warning

Serious eye damage/eye irritation
Components of this mixture may cause eye irritation, H319, Category 2A, Warning

Respiratory or skin sensitization
Components of this mixture may cause skin sensitization, H317, Category 1, Warning

Germ cell mutagenicity
No information available

Carcinogenicity
Not classifiable as a human carcinogen. Titanium dioxide is present in the formulation but is not in a respirable form and cannot become airborne.

Reproductive toxicity
No information available

Specific Target Organ Toxicity – Single exposure
No information available

Specific Target Organ Toxicity – Repeated exposure
No information available

Aspiration Hazard
No information available

Additional information
None

12. Ecological Information

12.1 Toxicity

To fish:

Bis-Hydroxyethyl Acrylate Poly(Neopentyl Glycol Adipate)/IPDI Copolymer	No data available		
Hydroxypropyl methacrylate	LC_{50}	48H	493 mg/L
4-Methoxyphenol	LC_{50}	96H	28.5 mg/L (Rainbow trout)
Ethyl Trimethylbenzoyl Phenylphosphinate	LC_{50}	96H	1.89 mg/L

To algae:

Bis-Hydroxyethyl Acrylate Poly(Neopentyl Glycol Adipate)/IPDI Copolymer	No data available		
Hydroxypropyl methacrylate	EC_{50}	72H	> 97 mg/L
4-Methoxyphenol	No data available		
Ethyl Trimethylbenzoyl Phenylphosphinate	EC_{50}	72H	1.01 mg/L

To daphnia:

Bis-Hydroxyethyl Acrylate Poly(Neopentyl Glycol Adipate)/IPDI Copolymer	No data available		
Hydroxypropyl methacrylate	EC_{50}	48H	> 143 mg/L
4-Methoxyphenol	No data available		
Ethyl Trimethylbenzoyl Phenylphosphinate	EC_{50} EC_{10}	48H 48H	2.26 mg/L 1.55 mg/L

12.2 Persistence and degradability
No data available.

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Not conducted

12.6 Other adverse effects
No data available

13. Disposal Considerations

13.1 Waste treatment methods

Product
Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or by secure land fill may be acceptable.
Contaminated packaging
Dispose as above.

14. Transport Information

Transport of Dangerous Goods (TDG and CLR): Not regulated

United States Department of Transport (49CFR): Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15. Regulatory Information

CANADIAN FEDERAL REGULATIONS:
CEPA, DOMESTIC SUBSTANCES LIST: Listed
UNITED STATES – FEDERAL REGULATIONS:
TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.
CALIFORNIA Proposition 65, Safe Drinking Water and Toxicity Enforcement Act, 1986:
No ingredients listed
OSHA, 29 CFR 1910, Subpart Z: Meets criteria for a hazardous substance.
CERCLA, 40 CFR 302: No ingredients listed
SARA 302, 40 CFR 355: No ingredents listed
SARA 313, 40 CFR 372: No ingedients listed
SARA 311/312, 40 CFR 370: Immediate (Acute) Health, Delayed (Chronic) Health
Massachusetts Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)
New Jersey Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)
Pennsylvania Right to Know: 4-Methoxyphenol (p-Hydroxyanisole)

16. Other Information

Original Preparation Date: May 12, 2025

Prepared by: Haigh Industries Inc.,
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

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