



## 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 emergency 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 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    | % (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<br>Skin Sensitizer (Category 1): H317                                                                                                                                        |
| Hydroxypropyl Methacrylate                                              | 27813-02-1  | 248-666-3 | 25-35     | Skin Sensitizer (Category 1): H317<br>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<br>Skin Sensitizer (Category 1): H317                                                                                                                                        |
| Glyceryl Dimethacrylate                                                 | 1830-78-0   |           | 1-5       | Skin Sensitizer (Category 1): H317<br>Eye Irritant (Category 2A): H319<br>STOT-SE (Category 3): H335                                                                                                          |
| Maleic Anhydride                                                        | 108-31-6    |           | 1-3       | Skin Corrosion/Irritation (Category 1B): H314<br>Eye Irritant (Category 1): H318<br>Skin Sensitizer (Category 1): H317<br>Respiratory Sensitizer (Category 1): H334<br>STOT-RE Respiratory (Category 1): H372 |
| P-Hydroxyanisole (4- Methoxyphenol)                                     | 150-76-5    | 205-769-8 | < 0.01    | Acute Toxicity Oral (Category 4): H302<br>Eye Irritant (Category 2A): H319<br>Acute Aquatic Toxicity (Category 3): H402<br>Chronic Aquatic Toxicity (Category 3): H412                                        |
| <b>May contain the following</b>                                        |             |           |           |                                                                                                                                                                                                               |
| 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 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 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

|                                      |                                                                         |
|--------------------------------------|-------------------------------------------------------------------------|
| <b>Appearance:</b>                   | Viscous liquid, various colours                                         |
| <b>Odour:</b>                        | Characteristic acrylic odour                                            |
| <b>Odour Threshold:</b>              | Not available                                                           |
| <b>pH:</b>                           | Not applicable                                                          |
| <b>Melting Point/Freezing Point:</b> | 0°C                                                                     |
| <b>Initial Boiling Point:</b>        | 131 °C                                                                  |
| <b>Flash Point:</b>                  | >96.7 °C                                                                |
| <b>Evaporation Rate:</b>             | Negligible                                                              |
| <b>Flammability:</b>                 | Not flammable                                                           |
| <b>Upper Explosion Limit:</b>        | No data                                                                 |
| <b>Lower Explosion Limit:</b>        | No data                                                                 |
| <b>Vapour Pressure:</b>              | < 0.01 @ 20°C                                                           |
| <b>Vapour Density:</b>               | No data                                                                 |
| <b>Relative Density:</b>             | 1.15 @ 25°C (water=1)                                                   |
| <b>Solubility:</b>                   | Negligible in water                                                     |
| <b>Partition Coefficient:</b>        | Not available                                                           |
| <b>Autoignition Temperature:</b>     | No data                                                                 |
| <b>Decomposition Temperature:</b>    | No data                                                                 |
| <b>Viscosity:</b>                    | No data                                                                 |
| <b>Explosive Properties:</b>         | Not explosive. Not expected to be sensitive to electrostatic discharge. |
| <b>Oxidizing Properties:</b>         | 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 <sub>50</sub>                                         | LC <sub>50</sub>        |
|-----------------------------|----------------------------------------------------------|-------------------------|
| Hydroxypropyl Methacrylate  | >2000 mg/kg (oral/rat)<br>>5000 mg/kg (dermal/rabbit)    | N/av                    |
| Maleic Anhydride            | 1090 mg/kg (oral/rat)<br>2620 mg/kg (dermal/rabbit)      |                         |
| Titanium Dioxide – CI 77891 | >25,000 mg/kg (oral/rat)<br>>3,000 mg/kg (dermal/rabbit) | >6820 mg/m <sup>3</sup> |

**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 <sub>50</sub> | 48H | 493 mg/L                  |
| 4-Methoxyphenol            | LC <sub>50</sub> | 96H | 28.5 mg/L (Rainbow Trout) |

**To algae:**

|                            |                  |     |            |
|----------------------------|------------------|-----|------------|
| Hydroxypropyl methacrylate | EC <sub>50</sub> | 72H | > 97 mg/L  |
| Maleic Anhydride           | EC <sub>50</sub> | 72H | 74.35 mg/L |

**To daphnia:**

|                            |                  |     |            |
|----------------------------|------------------|-----|------------|
| Hydroxypropyl methacrylate | EC <sub>50</sub> | 48H | > 143 mg/L |
| Maleic Anhydride           | EC <sub>50</sub> | 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.

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