

# SAFETY DATA SHEET Permabond UV6160

| 1. Identification               |  |  |  |
|---------------------------------|--|--|--|
| Product identifier              |  |  |  |
| Product name                    | Permabond UV6160   |  |  |
| Recommended use of the ch       | Recommended use of the chemical and restrictions on use  |  |  |
| Application                     | Adhesive.  |  |  |
| Details of the supplier of the  | safety data sheet  |  |  |
| Supplier                        | Permabond LLC<br>14 Robinson Street<br>Pottstown, PA 19464<br>USA<br>Telephone: 732-868-1372 or 800-640-7599<br>Website: www.permabond.com   |  |  |
| Emergency telephone number      |  |  |  |
| Emergency telephone             | Medical: Poison Control Center 866-827-6282 (toll free) or 303-389-1109 Transport:<br>CHEMTREC 800-424-9300  |  |  |
| 2. Hazard(s) identification     |  |  |  |
| Classification of the substance | e or mixture   |  |  |
| OSHA Regulatory Status          | Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200)<br>and is consistent with the provisions of the United Nations Globally Harmonized System of<br>Classification and Labeling of Chemicals (GHS). |  |  |
| Physical hazards                | Not Classified   |  |  |
| Health hazards                  | Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Skin Sens. 1 - H317 Repr. 2 - H361f STOT SE 3 -<br>H335  |  |  |
| Label elements                  |  |  |  |
| Hazard symbols                  |  |  |  |
| Signal word                     | Warning  |  |  |
| Hazard statements               | H315 Causes skin irritation.<br>H319 Causes serious eye irritation.<br>H317 May cause an allergic skin reaction.<br>H361f Suspected of damaging fertility.<br>H335 May cause respiratory irritation.                               |  |  |

| Precautionary statements | <ul> <li>P201 Obtain special instructions before use.</li> <li>P202 Do not handle until all safety precautions have been read and understood.</li> <li>P261 Avoid breathing vapor/ spray.</li> <li>P264 Wash contaminated skin thoroughly after handling.</li> <li>P271 Use only outdoors or in a well-ventilated area.</li> <li>P272 Contaminated work clothing must not be allowed out of the workplace.</li> <li>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</li> <li>P302+P352 If on skin: Wash with plenty of water.</li> <li>P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.</li> <li>P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P308+P313 If exposed or concerned: Get medical advice/ attention.</li> <li>P312 Call a poison center/ doctor if you feel unwell.</li> <li>P321 Specific treatment (see medical advice on this label).</li> <li>P332+P313 If skin irritation occurs: Get medical advice/ attention.</li> <li>P337+P313 If skin irritation or rash occurs: Get medical advice/ attention.</li> <li>P362+P364 Take off contaminated clothing and wash it before reuse.</li> <li>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</li> <li>P405 Store locked up.</li> </ul> |
|--------------------------|--|
|                          |  |
| Contains                 | ISOBORNYL ACRYLATE, 2-HYDROXYETHYL METHACRYLATE, METHACRYLIC ACID,<br>MALEIC ACID, DIPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE   |

3. Composition/information on ingredients

### Mixtures

### ISOBORNYL ACRYLATE

CAS number: 5888-33-5

#### Classification

Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Skin Sens. 1 - H317 STOT SE 3 - H335 Not relevant.

### 2-HYDROXYETHYL METHACRYLATE

CAS number: 868-77-9

### Classification

Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Skin Sens. 1 - H317 10-30%

30-60%

| METHACRYLIC ACID<br>CAS number: 79-41-4  | 1-5%   |
|--|--|
| Classification<br>Acute Tox. 4 - H302<br>Acute Tox. 3 - H311<br>Acute Tox. 4 - H332<br>Skin Corr. 1A - H314<br>Eye Dam. 1 - H318                               |  |
| STOT SE 3 - H335   |  |
| MALEIC ACID<br>CAS number: 110-16-7  | 1-5%   |
| <b>Classification</b><br>Acute Tox. 4 - H302<br>Acute Tox. 4 - H312<br>Skin Irrit. 2 - H315<br>Eye Irrit. 2A - H319<br>Skin Sens. 1 - H317<br>STOT SE 3 - H335 |  |
| DIPHENYL(2,4,6-TRIMETH<br>OXIDE<br>CAS number: 75980-60-8  | YLBENZOYL)PHOSPHINE <1%  |
| <b>Classification</b><br>Skin Sens. 1B - H317<br>Repr. 2 - H361f<br>Not relevant.  |  |
| The full text for all hazard sta   | tements is displayed in Section 16.  |
| Composition comments   | Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.  |
| 4. First-aid measures  |  |
| Description of first aid measu   | res  |
| Inhalation   | Move the exposed person to fresh air. Get medical attention if any discomfort continues.   |
| Ingestion  | Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Get medical attention if any discomfort continues.   |
| Skin Contact   | Remove contaminated clothing. Wash skin thoroughly with soap and water. If symptoms develop, obtain medical attention  |
| Eye contact  | Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues |
| Most important symptoms an   | d effects, both acute and delayed  |
| Inhalation   | May cause respiratory system irritation.   |
| Skin contact   | Causes skin irritation. May cause an allergic skin reaction.   |

| Eye contact  | Causes serious eye irritation.  |  |
|--|---|--|
| Indication of immediate medic  | al attention and special treatment needed   |  |
| Notes for the doctor   | No specific recommendations. Treat symptomatically.   |  |
| 5. Fire-fighting measures  |   |  |
| Extinguishing media  |   |  |
| Suitable extinguishing media   | Extinguish with foam, carbon dioxide, dry powder or water fog.  |  |
| Unsuitable extinguishing media   | Do not use water jet as an extinguisher, as this will spread the fire.  |  |
| Special hazards arising from t   | he substance or mixture   |  |
| Hazardous combustion<br>products   | Burning produces irritating, toxic and obnoxious fumes. Carbon monoxide, carbon dioxide, and unknown hydrocarbons.  |  |
| Advice for firefighters  |   |  |
| Protective actions during<br>firefighting  | Use water to keep fire exposed containers cool and disperse vapors.   |  |
| Special protective equipment<br>for firefighters   | Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.   |  |
| 6. Accidental release measure  | 95  |  |
| Personal precautions, protecti   | ve equipment and emergency procedures   |  |
| Personal precautions   | Wear protective clothing as described in Section 8 of this safety data sheet.   |  |
| Environmental precautions  |   |  |
| Environmental precautions  | Avoid the spillage or runoff entering drains, sewers or watercourses.   |  |
| Methods and material for cont  | ainment and cleaning up   |  |
| Methods for cleaning up  | Absorb spillage with sand or other inert absorbent. Transfer to suitable, labelled containers for disposal.   |  |
| Reference to other sections  | For personal protection, see Section 8. For waste disposal, see section 13.   |  |
| 7. Handling and storage  |   |  |
| Precautions for safe handling  |   |  |
| Usage precautions  | Avoid contact with skin, eyes and clothing. Do not breathe vapour/spray. Wash hands thoroughly after handling. Keep container tightly sealed when not in use. |  |
| Conditions for safe storage, including any incompatibilities   |   |  |
| Storage precautions  | Store in tightly-closed, original container in a dry, cool and well-ventilated place.   |  |
| Specific end uses(s)   |   |  |
| Specific end use(s)  | Adhesive.   |  |
| 8. Exposure controls/Persona   | Il protection   |  |
| Control parameters<br>Occupational exposure limits<br>METHACRYLIC ACID<br>Long-term exposure limit (8-ho | pur TWA): ACGIH 20 ppm 70 mg/m³   |  |
| ACGIH = American Conference  | e of Governmental Industrial Hygienists.  |  |

| Ingredient comments                 | WEL = Workplace Exposure Limits   |
|-------------------------------------|---|
| Exposure controls                   |   |
| Appropriate engineering<br>controls | Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.                                    |
| Eye/face protection                 | Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for slashing or spraying exists.                           |
| Hand protection                     | Nitrile rubber or Viton™ gloves are recommended. Cotton or other absorbent gloves should not be worn.   |
| Other skin and body protection      | Employee must wear appropriate protective clothing and equipment to prevent any possibility of skin contact with this substance.                                    |
| Hygiene measures                    | Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated.                         |
| Respiratory protection              | Respiratory protection may be required if excessive airborne contamination occurs. Use NIOSH approved respirator if there is potential to exceed exposure limit(s). |

### 9. Physical and chemical properties

### Information on basic physical and chemical properties

| Appearance                                      | Liquid.  |
|---|--|
| Color   | Colorless.   |
| Odor  | Acrylic  |
| Odor threshold                                  | No information available.  |
| рН  | Not relevant.  |
| Melting point                                   | Not available.   |
| Initial boiling point and range                 | Not relevant.  |
| Flash point                                     | >100°C   |
| Evaporation rate                                | Not available.   |
| Flammability (solid, gas)                       | Not applicable.  |
| Upper/lower flammability or<br>explosive limits | Not available.   |
| Vapor pressure                                  | Not available.   |
| Vapor density                                   | Not available.   |
| Relative density                                | 1.1  |
| Solubility(ies)                                 | Slightly soluble in water. Soluble in the following materials: Organic solvents. |
| Partition coefficient                           | Not available.   |
| Auto-ignition temperature                       | Not applicable.  |
| Decomposition Temperature                       | Not available.   |
| Viscosity                                       | ≈1500 mPa s @ 23°C   |
| Explosive properties                            | Not relevant.  |
| Oxidizing properties                            | Not applicable.  |
|   |  |

| Other information  | Not relevant.  |
|--|--|
| Volatile organic compound                                      | <2 %, 20 grams/liter (Estimated)   |
| 10. Stability and reactivity                                   |  |
| Possibility of hazardous reactions                             | Polymerization may occur at elevated temperature or in the presence of incompatible materials  |
| Conditions to avoid  | Do not store near heat sources or expose to high temperatures. Protect against direct sunlight.  |
| Materials to avoid   | Strong oxidizing agents. Strong reducing agents.   |
| Hazardous decomposition products                               | Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified organic compounds.   |
| 11. Toxicological information                                  |  |
| Information on toxicological eff                               | rects  |
| Toxicological effects  | The toxicological properties of this product have not been fully evaluated. Use of good industrial hygiene practices is required. Avoid direct contact with skin or eyes. Do not ingest or inhale. |
| Skin corrosion/irritation<br>Skin corrosion/irritation         | Irritating to skin.  |
| Serious eye damage/irritation<br>Serious eye damage/irritation | Causes serious eye irritation.   |
| Respiratory sensitization<br>Respiratory sensitization         | Based on available data the classification criteria are not met.   |
| Skin sensitization<br>Skin sensitization                       | May cause sensitisation by skin contact.   |
| Germ cell mutagenicity<br>Genotoxicity - in vitro              | Based on available data the classification criteria are not met.   |
| Genotoxicity - in vivo   | Based on available data the classification criteria are not met.   |
| Carcinogenicity<br>Carcinogenicity                             | No component of this product present at levels great than or equal to 0.1% is identified as a known carcinogen.  |
| Reproductive toxicity<br>Reproductive toxicity - fertility     | Contains a substance/a group of substances which may damage fertility. Contains a substance/a group of substances which may damage the unborn child.   |
| Specific target organ toxicity -                               |  |
| STOT - single exposure   | May cause respiratory system irritation.   |
| Target organs  | Respiratory tract  |
| Specific target organ toxicity - I<br>STOT - repeated exposure | <b>repeated exposure</b><br>Based on available data the classification criteria are not met.   |
| Aspiration hazard  |  |

| Aspiration hazard                | Based on available data the classification criteria are not met.                                  |
|----------------------------------|---|
| Inhalation                       | May cause respiratory system irritation.  |
| Ingestion                        | No harmful effects expected from quantities likely to be ingested by accident.                    |
| Skin Contact                     | Irritating to skin.   |
| Eye contact                      | Irritating and may cause redness and pain.  |
| Acute and chronic health hazards | May cause skin irritation/eczema. May cause sensitisation by skin contact. Causes eye irritation. |
| Route of exposure                | Inhalation Skin and/or eye contact  |
| Target Organs                    | Reproductive organs Respiratory tract Skin Eyes   |
|                                  |   |

Toxicological information on ingredients.

### ISOBORNYL ACRYLATE

| Acute toxicity - oral                  |   |  |
|--|---|--|
| Acute toxicity oral (LD₅₀<br>mg/kg)    | 5,000.0   |  |
| Species                                | Rat   |  |
| Acute toxicity - dermal                |   |  |
| Acute toxicity dermal (LD∞<br>mg/kg)   | 3,000.0   |  |
| Species                                | Rabbit  |  |
| Acute toxicity - inhalation            |   |  |
| Notes (inhalation LC₅₀)                | No information available.                                 |  |
| Skin corrosion/irritation              |   |  |
| Skin corrosion/irritation              | Not irritating.   |  |
| Serious eye damage/irritation          |   |  |
| Serious eye<br>damage/irritation       | Not irritating.   |  |
| Skin sensitization                     |   |  |
| Skin sensitization                     | Local Lymph Node Assay (LLNA) - : Sensitizing.            |  |
| Germ cell mutagenicity                 |   |  |
| Genotoxicity - in vitro                | Genome mutation: Negative.                                |  |
| Carcinogenicity                        |   |  |
| Carcinogenicity                        | No information available.                                 |  |
| Reproductive toxicity                  |   |  |
| Reproductive toxicity - fertility      | Two-generation study - NOEC 0.092 mg/l, Inhalation, Rat P |  |
| Reproductive toxicity -<br>development | Developmental toxicity: - NOAEL: 500 mg/kg/day, Oral, Rat |  |

| Specific target organ toxicity - single exposure |   |
|--|---|
| STOT - single exposure                           | No information available.   |
| Specific target organ toxicit                    | y - repeated exposure   |
| STOT - repeated exposure                         | No information available.   |
| Aspiration hazard                                |   |
| Aspiration hazard                                | No information available.   |
|  | 2-HYDROXYETHYL METHACRYLATE   |
| Acute toxicity - oral                            |   |
| Acute toxicity oral (LD₅₀<br>mg/kg)              | 5,000.0   |
| Species  | Rat   |
| Acute toxicity - dermal                          |   |
| Acute toxicity dermal (LD₅₀<br>mg/kg)            | 5,000.0   |
| Species  | Rabbit  |
| Acute toxicity - inhalation                      |   |
| Notes (inhalation LC₅₀)                          | No information available.   |
| Skin corrosion/irritation                        |   |
| Animal data                                      | Erythema/eschar score: Very slight erythema - barely perceptible (1). Not irritating. |
| Serious eye damage/irritati                      | on  |
| Serious eye<br>damage/irritation                 | Moderately irritating.  |
| Respiratory sensitization                        |   |
| Respiratory sensitization                        | No information available.   |
| Skin sensitization                               |   |
| Skin sensitization                               | Guinea pig maximization test (GPMT) - Guinea pig: Sensitizing.                        |
| Germ cell mutagenicity                           |   |
| Genotoxicity - in vitro                          | Conclusive data but not sufficient for classification.                                |
| Genotoxicity - in vivo                           | Chromosome aberration: Negative.  |
| Carcinogenicity                                  |   |
| Carcinogenicity                                  | No specific test data are available.  |
| Reproductive toxicity                            |   |
| Reproductive toxicity - fertility                | Screening - NOAEL >=1000 mg/kg/day, Oral, Rat F1                                      |
| Reproductive toxicity -<br>development           | Developmental toxicity: - NOAEL: >=1000 mg/kg/day, Oral, Rat                          |
| Specific target organ toxicity - single exposure |   |
| STOT - single exposure                           | No specific test data are available.  |

### Specific target organ toxicity - repeated exposure

STOT - repeated exposure No specific test data are available.

Not applicable.

### Aspiration hazard

Aspiration hazard

# METHACRYLIC ACID

| Acute toxicity - oral                              |  |  |
|--|--|--|
| Acute toxicity oral (LD₅₀<br>mg/kg)                | 1,320.0  |  |
| Species  | Rat  |  |
| Acute toxicity - dermal                            |  |  |
| Acute toxicity dermal (LD₅₀<br>mg/kg)              | 1,000.0  |  |
| Species  | Rabbit   |  |
| Acute toxicity - inhalation                        |  |  |
| Acute toxicity inhalation<br>(LC₅₀ vapours mg/l)   | 7.1  |  |
| Species  | Rat  |  |
| Skin corrosion/irritation                          |  |  |
| Animal data  | Dose: Method: OECD 404, 3 minutes, Rabbit Corrosive.               |  |
| Serious eye damage/irritation                      |  |  |
| Serious eye<br>damage/irritation                   | Method: OECD 405, Rabbit Corrosive.                                |  |
| Respiratory sensitization                          |  |  |
| Respiratory sensitization                          | Guinea pig: Not sensitizing. Method: various test systems          |  |
| Skin sensitization                                 |  |  |
| Skin sensitization                                 | Guinea pig maximization test (GPMT) - Guinea pig: Not sensitizing. |  |
| Germ cell mutagenicity                             |  |  |
| Genotoxicity - in vitro                            | Based on available data the classification criteria are not met.   |  |
| Carcinogenicity                                    |  |  |
| Carcinogenicity                                    | CMR: no  |  |
| Reproductive toxicity                              |  |  |
| Reproductive toxicity -<br>fertility               | No evidence of reproductive toxicity in animal studies.            |  |
| Reproductive toxicity -<br>development             | Non-teratogenic, not embryotoxic                                   |  |
| Specific target organ toxicity - single exposure   |  |  |
| Target organs                                      | Respiratory tract Irritating.                                      |  |
| Specific target organ toxicity - repeated exposure |  |  |

| Target organs                                      | No specific target organs known.  |  |
|--|---|--|
| Aspiration hazard                                  |   |  |
| Aspiration hazard                                  | Based on available data the classification criteria are not met.                          |  |
|  | MALEIC ACID   |  |
| Acute toxicity - oral                              |   |  |
| Acute toxicity oral (LD <sub>50</sub><br>mg/kg)    | 708.0   |  |
| Species  | Rat   |  |
| Acute toxicity - dermal                            |   |  |
| Acute toxicity dermal (LD∞<br>mg/kg)               | 1,560.0   |  |
| Species  | Rabbit  |  |
| Acute toxicity - inhalation                        |   |  |
| Notes (inhalation LC <sub>50</sub> )               | No information available.   |  |
| Skin corrosion/irritation                          |   |  |
| Skin corrosion/irritation                          | Rabbit Irritating to skin.  |  |
| Serious eye damage/irritation                      | on  |  |
| Serious eye<br>damage/irritation                   | Rabbit Causes serious eye damage.   |  |
| Respiratory sensitization                          |   |  |
| Respiratory sensitization                          | Not irritating.   |  |
| Skin sensitization                                 |   |  |
| Skin sensitization                                 | Local Lymph Node Assay (LLNA) - Mouse: Sensitizing.                                       |  |
| Germ cell mutagenicity                             |   |  |
| Genotoxicity - in vitro                            | Chromosome aberration: Positive. Ames test: Negative. DNA damage and/or repair: Negative. |  |
| Carcinogenicity                                    |   |  |
| Carcinogenicity                                    | Based on available data the classification criteria are not met.                          |  |
| Reproductive toxicity                              |   |  |
| Reproductive toxicity -<br>fertility               | Two-generation study - NOEL 55 mg/kg/day, Oral, Rat F2                                    |  |
| Reproductive toxicity -<br>development             | No information available.   |  |
| Specific target organ toxicity - single exposure   |   |  |
| STOT - single exposure                             | May cause respiratory irritation.   |  |
| Specific target organ toxicity - repeated exposure |   |  |
| STOT - repeated exposure                           | No information available.   |  |
| Aspiration hazard                                  |   |  |

|                            | Aspiration hazard                                      | No data available.                                    |  |  |  |
|----------------------------|--|---|--|--|--|
|                            | DIPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE        |   |  |  |  |
|                            | Acute toxicity - oral                                  |   |  |  |  |
|                            | Acute toxicity oral (LD <sub>50</sub><br>mg/kg)        | 5,000.0   |  |  |  |
|                            | Species  | Rat   |  |  |  |
|                            | Acute toxicity - dermal                                |   |  |  |  |
|                            | Acute toxicity dermal (LD₅₀<br>mg/kg)                  | 2,000.1   |  |  |  |
|                            | Species  | Rat   |  |  |  |
|                            | Acute toxicity - inhalation                            |   |  |  |  |
|                            | Notes (inhalation LC50)                                | No information available.                             |  |  |  |
|                            | Skin corrosion/irritation                              |   |  |  |  |
|                            | Skin corrosion/irritation                              | Not irritating.                                       |  |  |  |
|                            | Serious eye damage/irritation                          |   |  |  |  |
|                            | Serious eye<br>damage/irritation                       | Not irritating.                                       |  |  |  |
|                            | Skin sensitization                                     |   |  |  |  |
|                            | Skin sensitization                                     | Local Lymph Node Assay (LLNA) - Mouse: Sensitizing.   |  |  |  |
|                            | Germ cell mutagenicity                                 |   |  |  |  |
|                            | Genotoxicity - in vitro                                | Gene mutation: Negative.                              |  |  |  |
|                            | Carcinogenicity  |   |  |  |  |
|                            | Carcinogenicity  | No data available.                                    |  |  |  |
|                            | Reproductive toxicity                                  |   |  |  |  |
|                            | Reproductive toxicity -<br>fertility                   | Possible risk of adverse reproductive effects.        |  |  |  |
|                            | Reproductive toxicity -<br>development                 | Developmental toxicity: - NOAEL: 150 mg/kg, Oral, Rat |  |  |  |
|                            | Specific target organ toxicity - single exposure       |   |  |  |  |
|                            | STOT - single exposure                                 | No information available.                             |  |  |  |
|                            | Specific target organ toxicit                          | y - repeated exposure                                 |  |  |  |
|                            | STOT - repeated exposure NOAEL 50 mg/kg/day, Oral, Rat |   |  |  |  |
|                            | Aspiration hazard                                      |   |  |  |  |
|                            | Aspiration hazard                                      | No data available.                                    |  |  |  |
| 12. Ecological information |  |   |  |  |  |
| Ecotoxicity                | Very toxic to aquatic life with long lasting effects.  |   |  |  |  |
| Bioaccumulative potential  |  |   |  |  |  |
|                            |  |   |  |  |  |

Partition coefficient

Not available.

### Other adverse effects Other adverse effects None known. 13. Disposal considerations Waste treatment methods **General information** Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied. Dispose of according to Federal, State and local governmental regulations. **Disposal methods** 14. Transport information Sea transport notes Applies only to inner containers >5 litres. See 2.10.2.7 of the IMDG code. Air transport notes Applies only to inner containers >5 liters. See SP A197 (375) DOT transport notes Applies only to inner containers >5 liters. See CFR 49173.155 and 172.102.173 **UN Number** UN No. (IMDG) 3082 UN No. (ICAO) 3082 UN No. (DOT) UN3082 UN proper shipping name Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (contains Isobornyl (International) Acrylate) Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Isobornyl Acrylate) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Isobornyl Proper shipping name (ICAO) Acrylate) Proper shipping name (DOT) ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (contains Isobornyl Acrylate) Transport hazard class(es) DOT hazard class 9 DOT hazard label 9 **IMDG Class** 9 ICAO class/division 9 Transport labels

DOT transport labels

Packing group IMDG packing group

III

| ICAO packing | g group | III |
|--------------|---------|-----|
|--------------|---------|-----|

DOT packing group III

#### Environmental hazards

**Environmentally Hazardous Substance** 



#### 15. Regulatory information

#### **US Federal Regulations**

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities None above reporting levels

### CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

MALEIC ACID

SARA Extremely Hazardous Substances EPCRA Reportable Quantities None above reporting limits

#### SARA 313 Emission Reporting

None above reporting limits

#### SARA (311/312) Hazard Categories

Acute Chronic

#### **US State Regulations**

### California Proposition 65 Carcinogens and Reproductive Toxins

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm

#### Inventories

### Canada - DSL/NDSL

All the ingredients are listed or exempt.

### US - TSCA

All the ingredients are listed or exempt.

### US - TSCA 12(b) Export Notification

None above reporting limits

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16. Other information
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| Classification abbreviations<br>and acronyms | Eye Irrit. = Eye irritation<br>Skin Irrit. = Skin irritation<br>Skin Sens. = Skin sensitisation<br>Repr. = Reproductive toxicity<br>STOT SE = Specific target organ toxicity-single exposure |
|--|--|
| Revision date                                | 4/29/2021  |
| Revision                                     | 4  |

| Supersedes date                              | 10/1/2015   |
|--|---|
| Supersedes date<br>Hazard statements in full | <ul> <li>10/1/2015</li> <li>H302 Harmful if swallowed.</li> <li>H311 Toxic in contact with skin.</li> <li>H312 Harmful in contact with skin.</li> <li>H314 Causes severe skin burns and eye damage.</li> <li>H315 Causes skin irritation.</li> <li>H317 May cause an allergic skin reaction.</li> <li>H318 Causes serious eye damage.</li> <li>H319 Causes serious eye irritation.</li> </ul> |
|  | H332 Harmful if inhaled.<br>H335 May cause respiratory irritation.<br>H361f Suspected of damaging fertility.  |

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.