SECTION 1: Identification

1.1. Identification
Product form: Mixture
Product name: Imagemark XR
Product code: XR Series

1.2. Recommended use and restrictions on use
Use of the substance/mixture: Screenprinting ink

1.3. Supplier
Polymeric US
117 E. 14th Ave
North Kansas City, MO 64116
800-746-5567

1.4. Emergency telephone number
Emergency number: Chemtel - U.S., Canada, Puerto Rico, U.S. Virgin Islands 1-800-255-3924; International 813-248-0585

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture
GHS-US classification
Skin Irrit. 2: Causes skin irritation.
Eye Dam. 1: Causes serious eye damage.
Skin Sens. 1: May cause an allergic skin reaction.
Carc. 2: Suspected of causing cancer.
Aquatic Acute 2: Toxic to aquatic life
Aquatic Chronic 2: Toxic to aquatic life with long lasting effects.

2.2. GHS Label elements, including precautionary statements
GHS US labelling
Hazard pictograms (GHS US):

Signal word (GHS US): Danger
Hazard statements (GHS US):
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Suspected of causing cancer.
Toxic to aquatic life
Toxic to aquatic life with long lasting effects.

Precautionary statements (GHS US):
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing vapours.
Wash hands, forearms and face thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Avoid release to the environment.

2.3. Other hazards which do not result in classification
Other hazards not contributing to the classification: None under normal conditions.

2.4. Unknown acute toxicity (GHS US)
Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable
3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,6-hexanediol diacrylate (Note D)</td>
<td>(CAS-No.) 13048-33-4</td>
<td>15 – 30</td>
<td>Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317</td>
</tr>
<tr>
<td>isobornyl acrylate</td>
<td>(CAS-No.) 5888-33-5</td>
<td>5 – 15</td>
<td>Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410</td>
</tr>
<tr>
<td>DPGDA</td>
<td>(CAS-No.) 57472-68-1</td>
<td>5 – 15</td>
<td>Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1A, H317 STOT SE 3, H335 Aquatic Acute 2, H401</td>
</tr>
<tr>
<td>trimethylolpropane triacrylate, stabilized (Note D)</td>
<td>(CAS-No.) 15625-89-5</td>
<td>5 – 15</td>
<td>Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Carc. 2, H351</td>
</tr>
<tr>
<td>2-phenoxycetyl acrylate</td>
<td>(CAS-No.) 48145-04-6</td>
<td>≥ 0</td>
<td>Skin Sens. 1B, H317 Aquatic Acute 2, H401 Aquatic Chronic 2, H411</td>
</tr>
</tbody>
</table>

Note D: Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'.

Full text of hazard classes and H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general: IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion: Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Potential adverse human health effects and symptoms: Irritation: may cause irritation to the respiratory system. Harmful in contact with skin. Harmful if swallowed.
Symptoms/effects after inhalation: Cough. Irritation of the respiratory tract. May cause respiratory irritation. Slight irritation.
Symptoms/effects after skin contact: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact: Causes serious eye irritation. Serious damage to eyes.
Symptoms/effects after ingestion: Irritation of the gastric/intestinal mucosa.
Chronic symptoms: Skin rash/inflammation.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media


5.2. Specific hazards arising from the chemical

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions: Exercise caution when fighting any chemical fire. Fight fire with normal precautions from a reasonable distance.
Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures: Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing mist/vapor.

#### 6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment: Collect spillage.

Methods for cleaning up: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information: Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing vapor/mist/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Hygiene measures: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a well-ventilated place. Keep cool. Store locked up.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>Control Parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>trimethylolpropane triacrylate, stabilized (15625-89-5)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>DPGDA (57472-68-1)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>1,6-hexanediol diacrylate (13048-33-4)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>isobornyl acrylate (5888-33-5)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>2-phenoxyethyl acrylate (48145-04-6)</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

### 8.2. Appropriate engineering controls

Appropriate engineering controls: Ensure good ventilation of the work station.

Environmental exposure controls: Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

Materials for protective clothing:
- nitrile rubber

Hand protection:
- Protective gloves

Eye protection:
Safety glasses

**Skin and body protection:**
Wear suitable protective clothing

**Respiratory protection:**
In case of insufficient ventilation, wear suitable respiratory equipment

**Personal protective equipment symbol(s):**

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 200 °F</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient n-octanol/water (Log Pow)</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>= 4000 (4000 – 14000) cP Halftones range: 24,000-32,000 cps (color specific)</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
</tbody>
</table>

#### 9.2. Other information
No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability
Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).
10.5. Incompatible materials

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

**isobornyl acrylate (5888-33-5)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>4350 mg/kg bodyweight (Rat, Male, Experimental value, Oral, 14 day(s))</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 3000 mg/kg bodyweight (Rabbit, Male, Experimental value, Skin, 14 day(s))</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>4350 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

**2-phenoxyethyl acrylate (48145-04-6)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 5000 mg/kg (OECD 401: Acute Oral Toxicity, Rat, Female, Experimental value, Oral, 14 day(s))</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye damage.
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Suspected of causing cancer.

**trimethylolpropane triacrylate, stabilized (15625-89-5)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC group</td>
<td>2B - Possibly carcinogenic to humans</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

**DPGDA (57472-68-1)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOT-single exposure</td>
<td>May cause respiratory irritation.</td>
</tr>
</tbody>
</table>

**isobornyl acrylate (5888-33-5)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOT-single exposure</td>
<td>May cause respiratory irritation.</td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

Aspiration hazard : Not classified
Viscosity, kinematic : No data available
Likely routes of exposure : Dermal. Inhalation. Skin and eyes contact.
Potential adverse human health effects and symptoms : Irritation: may cause irritation to the respiratory system. Harmful in contact with skin. Harmful if swallowed.
Symptoms/effects after inhalation : Cough. Irritation of the respiratory tract. May cause respiratory irritation. Slight irritation.
Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact : Causes serious eye irritation. Serious damage to eyes.
Symptoms/effects after ingestion : Irritation of the gastric/intestinal mucosa.
Chronic symptoms : Skin rash/inflammation.
Other information : Likely routes of exposure: inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
### Imagemark XR

**Safety Data Sheet**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

---

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 fish</th>
<th>EC50 Daphnia</th>
<th>ErC50 (algae)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DPGDA (57472-68-1)</strong></td>
<td>2.2 – 4.64 mg/l (DIN 38412-15, 96 h, Leuciscus idus, Static system, Fresh water, Experimental value, Nominal concentration)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>isobornyl acrylate (5888-33-5)</strong></td>
<td>0.704 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)</td>
<td></td>
<td>0.25 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)</td>
</tr>
<tr>
<td><strong>2-phenoxyethyl acrylate (48145-04-6)</strong></td>
<td>10 mg/l (Equivalent or similar to OECD 203, 96 h, Leuciscus idus, Static system, Fresh water, Experimental value, Lethal)</td>
<td>1.21 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)</td>
<td>10 (≥ 0) mg/l</td>
</tr>
</tbody>
</table>

---

#### 12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>trimethylolpropane triacrylate, stabilized (15625-89-5)</strong></td>
<td>Biodegradability in water: no data available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ThOD 1.835 g O₂/g substance</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>DPGDA (57472-68-1)</strong></td>
<td>Readily biodegradable in water.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>1,6-hexanediol diacrylate (13048-33-4)</strong></td>
<td>Inherently biodegradable.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>isobornyl acrylate (5888-33-5)</strong></td>
<td>Not readily biodegradable in water.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>2-phenoxyethyl acrylate (48145-04-6)</strong></td>
<td>Not readily biodegradable in water.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

#### 12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>Bioaccumulative potential</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>trimethylolpropane triacrylate, stabilized (15625-89-5)</strong></td>
<td>No bioaccumulation data available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>DPGDA (57472-68-1)</strong></td>
<td>Low potential for bioaccumulation (Log Kow &lt; 4).</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>1,6-hexanediol diacrylate (13048-33-4)</strong></td>
<td>No bioaccumulation data available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>isobornyl acrylate (5888-33-5)</strong></td>
<td>Low potential for bioaccumulation (Log Kow &lt; 4).</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>2-phenoxyethyl acrylate (48145-04-6)</strong></td>
<td>Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

#### 12.4. Mobility in soil

<table>
<thead>
<tr>
<th>Substance</th>
<th>Mobility in soil</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DPGDA (57472-68-1)</strong></td>
<td>Highly mobile in soil.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>isobornyl acrylate (5888-33-5)</strong></td>
<td>No (test)data on mobility of the substance available.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### SECTION 13: Disposal considerations

**13.1. Disposal methods**

**Waste treatment methods**: Dispose of contents/container in accordance with licensed collector's sorting instructions.

**Product/Packaging disposal recommendations**: Avoid release to the environment. Discharging into rivers and drains is forbidden. Dispose in a safe manner in accordance with local/national regulations. Do not discharge into drains or the environment. Use appropriate containment to avoid environmental contamination.

**Additional information**: Clean up even minor leaks or spills if possible without unnecessary risk.

**Ecology - waste materials**: Avoid release to the environment.

---

### SECTION 14: Transport information

**Department of Transportation (DOT)**

In accordance with DOT

**Transport document description**: UN3082 Environmentally hazardous substances, liquid, n.o.s. (2-phenoxyethyl acrylate), 9, III

**UN-No. (DOT)**: UN3082

**Proper Shipping Name (DOT)**: Environmentally hazardous substances, liquid, n.o.s.

2-phenoxyethyl acrylate

**Class (DOT)**: 9 - Class 9 - Miscellaneous hazardous material 49 CFR 173.140

**Packing group (DOT)**: II - Minor Danger

**Hazard labels (DOT)**: 9 - Class 9 (Miscellaneous dangerous materials)


---

**Dangerous for the environment**: Yes

**Marine pollutant**: Yes

**DOT Packaging Non Bulk (49 CFR 173.xxx)**: 203

**DOT Packaging Bulk (49 CFR 173.xxx)**: 241

**DOT Symbols**: G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102): 8 - A hazardous substance that is not a hazardous waste may be shipped under the shipping description "Other regulated substances, liquid or solid, n.o.s.,” as appropriate. In addition, for solid materials, special provision B54 applies.

146 - This description may be used for a material that poses a hazard to the environment but does not meet the definition for a hazardous waste or a hazardous substance, as defined in 171.8 of this subchapter, or any hazard class as defined in Part 173 of this subchapter, if it is designated as environmentally hazardous by the Competent Authority of the country of origin, transit or destination.

173 - An appropriate generic entry may be used for this material.

335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardous liquids or solids may be classified as "Environmentally hazardous substances, solid, n.o.s.,” UN3077 and may be transported under this entry, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each transport unit must be leakproof when used as bulk packaging.

IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).

T4 - 2.65 178.274(d)(2) Normal............. 178.275(d)(3)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / (1 + a (tr - tf)) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.

DOT Packaging Exceptions (49 CFR 173.xxx): 155

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27): No limit

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75): No limit

Vessel Stowage Location: A - The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel.

Emergency Response Guide (ERG) Number: 171

Other information: No supplementary information available.

Transportation of Dangerous Goods

Not applicable

Transport by sea

Transport document description (IMDG): UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
UN-No. (IMDG): 3082
Proper Shipping Name (IMDG): ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Class (IMDG): 9 - Miscellaneous dangerous substances and articles
Packing group (IMDG): III - substances presenting low danger
Limited quantities (IMDG): 5 L
Marine pollutant: Yes

Air transport

Transport document description (IATA): UN 3082 Environmentally hazardous substance, liquid, n.o.s., 9, III
UN-No. (IATA): 3082
Proper Shipping Name (IATA): Environmentally hazardous substance, liquid, n.o.s.
Class (IATA): 9 - Miscellaneous Dangerous Goods
Packing group (IATA): III - Minor Danger
Imagemark XR
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 15: Regulatory information

15.1. US Federal regulations

Imagemark XR
Not listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS-No.</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-phenoxyethyl acrylate</td>
<td>48145-04-6</td>
<td>≥ 0%</td>
</tr>
</tbody>
</table>

DPGDA (57472-68-1)
EPA TSCA Regulatory Flag
PMN - PMN - indicates a commenced PMN substance.

15.2. International regulations

trimethylolpropane triacrylate, stabilized (15625-89-5)
Listed on IARC (International Agency for Research on Cancer)

15.3. US State regulations

Imagemark XR

| U.S. - California - Proposition 65 - Carcinogens List | No |
| U.S. - California - Proposition 65 - Developmental Toxicity | Yes |
| U.S. - California - Proposition 65 - Reproductive Toxicity - Female | No |
| U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No |

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 01/09/2020
Other information : Polymeric urges the customer receiving this safety data sheet to study it carefully to become aware of the hazards, if any, in the product. In the interest of safety, the customer should (1) notify your employees, agents and contractors of the information included in this SDS and (2) furnish a copy to each of your employees, customers and agents. Polymeric US makes no warranty, express or implied, as to the accuracy or reliability of information contained herein, except that such information is, to the best of Polymeric US’s knowledge and belief, accurate as of the date indicated on this document. Final determination of suitability of material is the sole responsibility of the user. All the materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.
Full text of H-statements:

<table>
<thead>
<tr>
<th>H-statement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Acute 1</td>
<td>Hazardous to the aquatic environment — Acute Hazard, Category 1</td>
</tr>
<tr>
<td>Aquatic Acute 2</td>
<td>Hazardous to the aquatic environment — Acute Hazard, Category 2</td>
</tr>
<tr>
<td>Aquatic Chronic 1</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 2</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 2</td>
</tr>
<tr>
<td>Carc. 2</td>
<td>Carcinogenicity, Category 2</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage/eye irritation, Category 1</td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
<td>Serious eye damage/eye irritation, Category 2</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation, Category 2</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Skin sensitisation, Category 1</td>
</tr>
<tr>
<td>Skin Sens. 1A</td>
<td>Skin sensitisation, category 1A</td>
</tr>
<tr>
<td>Skin Sens. 1B</td>
<td>Skin sensitisation, category 1B</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation</td>
</tr>
</tbody>
</table>

SDS US - Polymeric US

Polymeric US urges the customer receiving this safety data sheet to study it carefully to become aware of the hazards, if any, in the product. In the interest of safety, the customer should (1) notify your employees, agents and contractors of the information included in this SDS and (2) furnish a copy to each of your employees, customers and agents.

Polymeric US makes no warranty, express or implied, as to the accuracy or reliability of information contained herein, except that such information is, to the best of Polymeric US's knowledge and belief, accurate as of the date indicated on this document. Final determination of suitability of material is the sole responsibility of the user. All the materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.