**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

1.1. **Product identifier**

<table>
<thead>
<tr>
<th>Product form</th>
<th>Mixtures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>Rapid Medium Filler (RPD-MF-US)</td>
</tr>
<tr>
<td>Product group</td>
<td>bodyfiller</td>
</tr>
</tbody>
</table>

1.2. **Relevant identified uses of the substance or mixture and uses advised against**

1.3. **Details of the supplier of the safety data sheet**

**Supplier**
U-POL US Inc
108 Commerce Way, Stockertown
PA 18083 - USA
T 1-800-340-7824 - F 1-800-787-5150
technical.department@u-pol.com - www.u-pol.com

1.4. **Emergency telephone number**

Emergency number : CHEMTREC - 1-800-424-9300 (UK +44 (0) 1933 230310 (07:30 - 17:00hrs UK time)

**SECTION 2: Hazards identification**

2.1. **Classification of the substance or mixture**

**GHS-US classification**
- Skin Irrit. 2  H315
- Eye Irrit. 2A H319
- Skin Sens. 1  H317
- Carc. 2  H351
- Repr. 2  H361
- STOT RE 1  H372

Full text of H statements : see section 16

2.2. **Label elements**

**GHS-US labeling**

- **Hazard pictograms (GHS-US):** ![GHS07](image) ![GHS08](image)

- **Signal word (GHS-US):** Danger

- **Hazard statements (GHS-US):**
  - H315 - Causes skin irritation
  - H317 - May cause an allergic skin reaction
  - H319 - Causes serious eye irritation
  - H351 - Suspected of causing cancer
  - H361 - Suspected of damaging the unborn child
  - H372 - Causes damage to organs (hearing organs) through prolonged or repeated exposure (Inhalation)

- **Precautionary statements (GHS-US):**
  - P202 - Do not handle until all safety precautions have been read and understood
  - P260 - Do not breathe fume, vapors
  - P280 - Wear eye protection, protective clothing, protective gloves
  - P302+P352 - If on skin: Wash with plenty of water
  - P305 - IF IN EYES: Rinse first with plenty of water and if necessary take medical advice
  - P263 - Avoid contact during pregnancy/while nursing
  - P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
2.3. Other hazards
No additional information available

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>styrene</td>
<td>(CAS No) 100-42-5</td>
<td>5 - 23</td>
<td>Flam, Liq. 3, H226, Acute Tox. 4 (Inhalation), H332, Skin Irrit. 2, H315, Eye Irrit. 2A, H319, Repr. 2, H361, STOT RE 1, H372</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>(CAS No) 13463-67-7</td>
<td>&lt; 5</td>
<td>Carc. 2, H351</td>
</tr>
<tr>
<td>BISPHENOL A - (EPICHLOROHYDRIN); EPOXY RESIN</td>
<td>(CAS No) 025068-38-6</td>
<td>&lt; 5</td>
<td>Skin Irrit. 2, H315, Eye Irrit. 2A, H319, Skin Sens. 1, H317, Aquatic Chronic 2, H411</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures general: Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. Allow victim to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Repeated exposure may cause skin dryness or cracking. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact: If eye irritation persists: Get medical advice/attention. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries: Suspected of damaging the unborn child. Causes damage to organs (hearing organs) through prolonged or repeated exposure (Inhalation).
Symptoms/injuries after skin contact: Causes skin irritation. Irritation. Repeated exposure may cause skin dryness or cracking.
Symptoms/injuries after eye contact: Causes serious eye irritation. Eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture
Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

5.3. Advice for firefighters
Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. 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. Evacuate unnecessary personnel. Do not breathe vapors, fume. Avoid contact with skin and eyes.

6.1.2. For emergency responders
Protective equipment: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: “Exposure controls/personal protection”.
Emergency procedures: Ventilate area.

6.2. Environmental precautions
Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up: Mechanically recover the product. On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials. 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
See Heading 8. Exposure controls and personal protection. 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. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe vapors, fume. Avoid contact with skin and eyes.
Hygiene measures: Wash hands thoroughly after handling. Wash contaminated clothing before reuse. 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: Keep only in the original container in a cool, well ventilated place away from: Heat sources, Ignition sources. Keep container closed when not in use. Store locked up. Store in a well-ventilated place. Keep cool.
Incompatible products: Strong bases. Strong acids.
Incompatible materials: Sources of ignition. Direct sunlight.

7.3. Specific end use(s)
No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Rapid Medium Filler (RPD-MF-US)</th>
<th>ACGIH</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>BISPHENOL A - (EPICHLOROHYDRIN); EPOXY RESIN (025068-38-6)</td>
<td>ACGIH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>OSHA</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>styrene (100-42-5)</td>
<td>ACGIH</td>
<td>ACGIH TWA (ppm)</td>
</tr>
<tr>
<td></td>
<td>ACGIH</td>
<td>ACGIH STEL (ppm)</td>
</tr>
<tr>
<td></td>
<td>ACGIH</td>
<td>Remark (ACGIH)</td>
</tr>
<tr>
<td></td>
<td>OSHA</td>
<td>Remark (OSHA)</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE (13463-67-7)</td>
<td>ACGIH</td>
<td>ACGIH TWA (mg/m³)</td>
</tr>
</tbody>
</table>

10/31/2016 EN (English US) SDS ID: RPD-MF-US 3/7
**Rapid Medium Filler (RPD-MF-US)**

Safety Data Sheet

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### TITANIUM DIOXIDE (13463-67-7)

<table>
<thead>
<tr>
<th>ACGIH</th>
<th>Remark (ACGIH)</th>
<th>LRT irr; A3</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>15 mg/m³</td>
</tr>
</tbody>
</table>

### SECTION 8: Exposure controls

8.2. Exposure controls

- **Appropriate engineering controls**: Ensure good ventilation of the work station.
- **Personal protective equipment**: Avoid all unnecessary exposure.

- **Hand protection**: Wear protective gloves.
- **Eye protection**: Chemical goggles or safety glasses. Safety glasses.
- **Skin and body protection**: Wear suitable protective clothing.
- **Respiratory protection**: Wear appropriate mask. Wear respiratory protection.
- **Environmental exposure controls**: Avoid release to the environment.
- **Other information**: Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Physical state | Solid |
| Appearance | Viscous. Paste. |
| Color | Light gray |
| Odor | aromatic |
| Odor threshold | No data available |
| pH | No data available |
| Relative evaporation rate (butyl acetate=1) | No data available |
| Melting point | No data available |
| Freezing point | Not applicable |
| Boiling point | No data available |
| Flash point | Not applicable |
| Auto-ignition temperature | Not applicable |
| Decomposition temperature | No data available |
| Flammability (solid, gas) | No data available |
| Vapor pressure | No data available |
| Relative vapor density at 20 °C | No data available |
| Relative density | Not applicable |
| Specific gravity / density | 1.2 - 1.26 |
| Solubility | No data available |
| Log Pow | No data available |
| Log Kow | No data available |
| Viscosity, kinematic | Not applicable |
| Viscosity, dynamic | No data available |
| Explosive properties | No data available |
| Oxidizing properties | No data available |
| Explosion limits | Not applicable |

9.2. Other information

- **VOC content**: 211 g/l

### 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

Not established.

10.3. Possibility of hazardous reactions

Not established.
10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials
Strong acids. Strong bases.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information
11.1. Information on toxicological effects

Acute toxicity: Not classified

**styrene (100-42-5)**
- ATE US (gases): 4500.000 ppmV/4h
- ATE US (vapors): 11.000 mg/l/4h
- ATE US (dust, mist): 1.500 mg/l/4h

Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/irritation: Causes serious eye irritation.
Respiratory or skin sensitization: May cause an allergic skin reaction.
Germ cell mutagenicity: Not classified
- Based on available data, the classification criteria are not met

Carcinogenicity: Suspected of causing cancer.

**styrene (100-42-5)**
- IARC group: 2B - Possibly carcinogenic to humans
- National Toxicology Program (NTP) Status: 3 - Reasonably anticipated to be Human Carcinogen

**TITANIUM DIOXIDE (13463-67-7)**
- IARC group: 2B - Possibly carcinogenic to humans

Reproductive toxicity: Suspected of damaging the unborn child.
STOT-single exposure: Not classified

STOT-repeated exposure: Causes damage to organs (hearing organs) through prolonged or repeated exposure (Inhalation).

Aspiration hazard: Not classified
Potential Adverse human health effects and symptoms: Based on available data, the classification criteria are not met.
Symptoms/injuries after skin contact: Causes skin irritation. Irritation. Repeated exposure may cause skin dryness or cracking.
Symptoms/injuries after eye contact: Causes serious eye irritation. Eye irritation.

SECTION 12: Ecological information
12.1. Toxicity
Ecology - general: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2. Persistence and degradability
**Rapid Medium Filler (RPD-MF-US)**
Persistence and degradability: Not established.

12.3. Bioaccumulative potential
**Rapid Medium Filler (RPD-MF-US)**
Bioaccumulative potential: Not established.

12.4. Mobility in soil
No additional information available
Rapid Medium Filler (RPD-MF-US)
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12.5. Other adverse effects
Effect on ozone layer : No additional information available
Effect on the global warming : No known effects from this product.
Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste treatment methods : Dispose of contents/container in accordance with licensed collector’s sorting instructions.
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to..
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT
Not regulated for transport

Additional information
Other information : No supplementary information available.

ADR
No additional information available

Transport by sea
No additional information available

Air transport
No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations
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>Chemical</th>
<th>CAS No</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>styrene</td>
<td>100-42-5</td>
<td>5 - 23%</td>
</tr>
<tr>
<td>1,4-dihydroxybenzene, hydroquinone, quinol</td>
<td>123-31-9</td>
<td>&lt; 5%</td>
</tr>
<tr>
<td>ethylbenzene</td>
<td>100-41-4</td>
<td>&lt; 5%</td>
</tr>
<tr>
<td>xylene</td>
<td>1330-20-7</td>
<td>&lt; 5%</td>
</tr>
</tbody>
</table>

BISPHENOL A - (EPICHLOROHYDRIN); EPOXY RESIN (025068-38-6)
Not listed on the United States TSCA (Toxic Substances Control Act) inventory

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS No</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>styrene</td>
<td>100-42-5</td>
<td>5 - 23%</td>
</tr>
</tbody>
</table>

15.2. International regulations
CANADA
No additional information available

EU-Regulations
No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Skin Irrit. 2  H315
Eye Irrit. 2   H319
Repr. 2        H361
STOT RE 1     H372

Full text of hazard classes and H-statements : see section 16
Rapid Medium Filler (RPD-MF-US)

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Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

15.2.2. National regulations

<table>
<thead>
<tr>
<th>styrene (100-42-5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on IARC (International Agency for Research on Cancer)</td>
</tr>
<tr>
<td>Listed as carcinogen on NTP (National Toxicology Program)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TITANIUM DIOXIDE (13463-67-7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on IARC (International Agency for Research on Cancer)</td>
</tr>
</tbody>
</table>

15.3. US State regulations

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

Data sources

Full text of H-phrases:

<table>
<thead>
<tr>
<th>H226</th>
<th>Flammable liquid and vapor</th>
</tr>
</thead>
<tbody>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H351</td>
<td>Suspected of causing cancer</td>
</tr>
<tr>
<td>H361</td>
<td>Suspected of damaging fertility or the unborn child</td>
</tr>
<tr>
<td>H372</td>
<td>Causes damage to organs through prolonged or repeated exposure</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

For professional use only.

The information contained within this Safety Data Sheet (SDS) is believed to be correct as of the date issued however it is subject to change from time to time. It does not purport to be all inclusive or exhaustive and shall only be used as a guide. U-POL makes no warranties, expressed or implied, including but not limited to, any implied warranty of fitness for a given purpose or usage. It is the Buyers responsibility to ensure the suitability of the products for their own use and to check the information is up to date. U-POL cannot be held responsible for the suitability of use for any of its products, considering the wide range of factors such as application, substrates and handling methods. Since these conditions of use are outside of our control, the company shall not be held liable for any damage resulting from handling or from contact with the product detailed. Moreover, addition of reducers, hardeners or other additives over and above U-POL’s recommendations for use, may substantially alter the composition and hazards of the product. U-POL data sheets are available via the U-POL website at WWW.U-POL.COM.

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