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

## 1.1. Product identifier

<table>
<thead>
<tr>
<th>Product form</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>FLYWEIGHT POLYESTER FILLER (FLY-F-US)</td>
</tr>
<tr>
<td>Product group</td>
<td>bodyfiller</td>
</tr>
<tr>
<td>Other means of identification</td>
<td>UP0711</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

<table>
<thead>
<tr>
<th>Supplier</th>
<th>U-POL US Inc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>108 Commerce Way, Stockertown PA 18083 - USA</td>
</tr>
<tr>
<td>Contact</td>
<td>T 1-800-340-7824 - F 1-800-787-5150</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:technical.department@u-pol.com">technical.department@u-pol.com</a> - <a href="http://www.u-pol.com">www.u-pol.com</a></td>
</tr>
</tbody>
</table>

## 1.4. Emergency telephone number

| Emergency number | CHEMTREC - 1-800-424-9300 |

# SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

### GHS-US classification

- Skin Irrit. 2: H315
- Eye Irrit. 2: H319
- Skin Sens. 1: H317
- Carc. 2: H351
- Repr. 2: H361
- STOT RE 1: H372

## 2.2. Label elements

### GHS-US labeling

#### Hazard pictograms (GHS-US)

- GHS07
- GHS08

#### 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.
- P263: Avoid contact during pregnancy/while nursing.
- P264: Wash hands thoroughly after handling.
- P280: Wear eye protection, protective clothing, protective gloves.
- P302+P352: If on skin: Wash with plenty of soap and water
- P305: IF IN EYES: Rinse first with plenty of water and if necessary take medical advice
- P501: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
FLYWEIGHT POLYESTER FILLER (FLY-F-US)
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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>
</table>
| styrene                            | (CAS-No.) 100-42-5 | 5 - 23 | Flam. Liq. 3, H226  
|                                   |                    |     | Acute Tox. 4 (Inhalation), H332  
|                                   |                    |     | Skin Irrit. 2, H315  
|                                   |                    |     | Eye Irrit. 2A, H319  
|                                   |                    |     | Repr. 2, H361  
|                                   |                    |     | STOT RE 1, H372  |
| TITANIUM DIOXIDE                   | (CAS-No.) 13463-67-7 | < 5 | Carc. 2, H351  |
| bisphenol-A-(epichlorhydrin), epoxy resin | (CAS-No.) 25068-38-6 | < 5 | Skin Irrit. 2, H315  
|                                   |                    |     | Eye Irrit. 2A, H319  
|                                   |                    |     | Skin Sens. 1, H317  
|                                   |                    |     | Aquatic Chronic 2, H411  |

Full text of H-phrases: 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 eyes with water as a precaution.
First-aid measures after ingestion: Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/effects after skin contact: Irritation. May cause an allergic skin reaction.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

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
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
General measures: Remove ignition sources.

6.1.1. For non-emergency personnel
Emergency procedures: Ventilate spillage area. 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. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions
Avoid release to the environment.

11/23/2017 EN (English US) SDS ID: FLY-F-US 2/7
6.3. Methods and material for containment and cleaning up

For containment: Contain leaking substance. Collect spillage.

Methods for cleaning up: Mechanically recover the product. 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. 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 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 locked up. Store in a well-ventilated place. Keep cool.

Storage temperature: < 25 °C

Storage area: Store in well ventilated area.

Special rules on packaging: Keep only in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th></th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLYWEIGHT POLYESTER FILLER (FLY-F-US)</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>styrene (100-42-5)</td>
<td>ACGIH TWA (ppm) : 20 ppm</td>
<td>ACGIH STEL (ppm) : 40 ppm</td>
</tr>
<tr>
<td>ACGIH</td>
<td>Remark (ACGIH) : CNS impair; URT irr; peripheral</td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>Remark (OSHA) : (2) See Table Z-2.</td>
<td></td>
</tr>
<tr>
<td>TITANIUM DIOXIDE (13463-67-7)</td>
<td>ACGIH TWA (mg/m³) : 1 mg/m³</td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>Remark (ACGIH) : LRT irr; A3</td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (mg/m³) : 15 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

8.2. Exposure controls

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

Personal protective equipment: Gloves. Protective clothing. Safety glasses.

Materials for protective clothing: Impermeable clothing.

Hand protection: Protective gloves.

Eye protection: Safety glasses.
Skin and body protection: Wear suitable protective clothing.
Respiratory protection: Wear respiratory protection.
Environmental exposure controls: Avoid release to the environment.

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>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Paste</td>
</tr>
<tr>
<td>Color</td>
<td>white</td>
</tr>
<tr>
<td>Odor</td>
<td>aromatic</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Specific gravity / density</td>
<td>1.22 - 1.28</td>
</tr>
<tr>
<td>Solubility</td>
<td>soluble in most organic solvents. insoluble in water.</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

9.2. Other information

VOC content - Regulatory: 184 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
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
No additional information available

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
FLYWEIGHT POLYESTER FILLER (FLY-F-US)
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Acute toxicity : Not classified

**styrene (100-42-5)**
- ATE US (gases) : 4500 ppmV/4h
- ATE US (vapors) : 11 mg/l/4h
- ATE US (dust, mist) : 1.5 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
- 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.
- Specific target organ toxicity – single exposure : Not classified
- Specific target organ toxicity – repeated exposure : Causes damage to organs (hearing organs) through prolonged or repeated exposure (Inhalation).
- Aspiration hazard : Not classified
- Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

**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**
- No additional information available

12.3. **Bioaccumulative potential**
- No additional information available

12.4. **Mobility in soil**
- No additional information available

12.5. **Other adverse effects**
- Effect on the ozone layer : No additional information available

**SECTION 13: Disposal considerations**

13.1. **Waste treatment methods**
- Regional legislation (waste) : Disposal must be done according to official regulations.
- Waste treatment methods : Dispose of contents/container in accordance with licensed collector’s sorting instructions.

**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>% in Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>styrene</td>
<td>100-42-5</td>
<td>5 - 23%</td>
</tr>
<tr>
<td>phthalic anhydride</td>
<td>85-44-9</td>
<td>&lt; 5%</td>
</tr>
<tr>
<td>ethanediol, ethylene glycol</td>
<td>107-21-1</td>
<td>&lt; 5%</td>
</tr>
<tr>
<td>xylene</td>
<td>1330-20-7</td>
<td>&lt; 5%</td>
</tr>
</tbody>
</table>

**TITANIUM DIOXIDE (13463-67-7)**
Listed on the United States TSCA (Toxic Substances Control Act) inventory

CERCLA RQ 1000 lb

**Bisphenol-A-(epichlorhydrin), epoxy resin (25068-38-6)**
Not listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

**CANADA**

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS-No.</th>
<th>% in Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene (100-42-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TITANIUM DIOXIDE (13463-67-7)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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 H statements : see section 16

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

15.2.2. National regulations

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS-No.</th>
<th>% in Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene (100-42-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TITANIUM DIOXIDE (13463-67-7)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**EU Regulations**
No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Skin Irrit. 2 H315
Eye Irrit. 2 H319
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15.2.2. National regulations

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS-No.</th>
<th>% in Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene (100-42-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TITANIUM DIOXIDE (13463-67-7)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**US Regulations**
This product can expose you to styrene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.
FLYWEIGHT POLYESTER FILLER (FLY-F-US)
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>styrene (100-42-5)</th>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
<th>No significant risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No significant risk level</td>
</tr>
</tbody>
</table>

**SECTION 16: Other information**

Revision date : 11/23/2017

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>

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard : 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

NFPA reactivity : 1 - Materials that in themselves are normally stable but can become unstable at elevated temperatures and pressures.

SDS US UPOL

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.