

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

### 1.1. Product identifier

Product form : Mixture  
 Product name : FLY-F-US - UP0711  
 Product group : bodyfiller

### 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

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](mailto:technical.department@u-pol.com) - [www.u-pol.com](http://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  
 Repr. 2 H361  
 STOT RE 1 H372

Full text of H-phrases: see section 16

### 2.2. Label elements

#### GHS-US labeling

Hazard pictograms (GHS-US) :



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  
 H361 - Suspected of damaging fertility or the unborn child  
 H372 - Causes damage to organs through prolonged or repeated exposure

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 water  
 P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 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

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

| Name   | Product identifier   | %      | GHS-US classification   |
|--|----------------------|--------|---|
| styrene                                      | (CAS No) 100-42-5    | 5 - 23 | Flam. Liq. 3, H226<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Repr. 2, H361<br>STOT RE 1, H372 |
| TITANIUM DIOXIDE                             | (CAS No) 13463-67-7  | < 5    | Carc. 2, H351   |
| BISPHENOL A - (EPICHLOROHYDRIN); EPOXY RESIN | (CAS No) 025068-38-6 | < 5    | Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411   |
| ethylbenzene                                 | (CAS No) 100-41-4    | < 5    | Flam. Liq. 2, H225<br>Acute Tox. 4 (Inhalation), H332<br>Carc. 2, H351<br>STOT RE 2, H373<br>Asp. Tox. 1, H304                          |
| isopentane, 2-methylbutane                   | (CAS No) 78-78-4     | < 5    | Flam. Liq. 1, H224<br>Asp. Tox. 1, H304<br>STOT SE 3, H336<br>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            | : Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.  |
| First-aid measures after inhalation   | : 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. Get medical advice/attention. 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. If eye irritation persists: Get medical advice/attention. Get medical advice/attention.                         |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.   |

#### 4.2. Most important symptoms and effects, both acute and delayed

|                                      |  |
|--------------------------------------|--|
| Symptoms/injuries                    | : Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. |
| Symptoms/injuries after inhalation   | : May cause an allergic skin reaction.   |
| Symptoms/injuries after skin contact | : Causes skin irritation.  |
| Symptoms/injuries after eye contact  | : Causes serious eye irritation.   |

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

#### 5.2. Special hazards arising from the substance or mixture

No additional information available

#### 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.   |

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### 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

Protective equipment : Safety glasses. Protective clothing. Gloves.

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

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

For containment : Contain leaking substance. Collect spillage.

Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

#### 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 : 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. Do not breathe vapors, fume. Avoid breathing fume, vapors.

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

#### 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 : Ignition sources, Heat sources. Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

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

| FLY-F-US - UP0711                    |                  |                                 |
|--------------------------------------|------------------|---------------------------------|
| ACGIH                                | Not applicable   |                                 |
| OSHA                                 | Not applicable   |                                 |
| styrene (100-42-5)                   |                  |                                 |
| ACGIH                                | ACGIH TWA (ppm)  | 20 ppm                          |
| ACGIH                                | ACGIH STEL (ppm) | 40 ppm                          |
| ACGIH                                | Remark (ACGIH)   | CNS impair; URT irr; peripheral |
| OSHA                                 | Remark (OSHA)    | (2) See Table Z-2.              |
| isopentane, 2-methylbutane (78-78-4) |                  |                                 |
| ACGIH                                | ACGIH TWA (ppm)  | 1000 ppm                        |
| OSHA                                 | Not applicable   |                                 |

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| TITANIUM DIOXIDE (13463-67-7) |                                     |                      |
|-------------------------------|-------------------------------------|----------------------|
| ACGIH                         | ACGIH TWA (mg/m <sup>3</sup> )      | 1 mg/m <sup>3</sup>  |
| ACGIH                         | Remark (ACGIH)                      | LRT irr; A3          |
| OSHA                          | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 15 mg/m <sup>3</sup> |

| BISPHENOL A - (EPICHLOROHYDRIN); EPOXY RESIN (025068-38-6) |                |
|--|----------------|
| ACGIH  | Not applicable |
| OSHA   | Not applicable |

| ethylbenzene (100-41-4) |                                     |                                   |
|-------------------------|-------------------------------------|-----------------------------------|
| ACGIH                   | ACGIH TWA (ppm)                     | 20 ppm                            |
| ACGIH                   | Remark (ACGIH)                      | URT irr; kidney dam (nephropathy) |
| OSHA                    | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 435 mg/m <sup>3</sup>             |
| OSHA                    | OSHA PEL (TWA) (ppm)                | 100 ppm                           |

### 8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure. Gloves. Protective clothing. Safety glasses.



Materials for protective clothing : Impermeable clothing.  
Hand protection : Wear protective gloves.  
Eye protection : Chemical goggles or safety glasses.  
Skin and body protection : Wear suitable protective clothing.  
Respiratory protection : Wear appropriate mask.  
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 : Paste.  
Color : white  
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 : No data available  
Boiling point : No data available  
Flash point : 28 °C  
Auto-ignition temperature : No data available  
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 : No data available  
Specific gravity / density : 1.22 - 1.28  
Solubility : soluble in most organic solvents. insoluble in water.  
Log Pow : No data available  
Log Kow : No data available  
Viscosity, kinematic : No data available

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Viscosity, dynamic : No data available  
Explosive properties : No data available  
Oxidizing properties : No data available  
Explosion limits : No data available

### 9.2. Other information

VOC content : 213 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 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

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| <b>styrene (100-42-5)</b> |                  |
|---------------------------|------------------|
| ATE US (gases)            | 4500.000 ppmV/4h |
| ATE US (vapors)           | 11.000 mg/l/4h   |
| ATE US (dust, mist)       | 1.500 mg/l/4h    |

| <b>ethylbenzene (100-41-4)</b> |                  |
|--------------------------------|------------------|
| 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 : Not classified

| <b>styrene (100-42-5)</b>                |   |
|--|---|
| IARC group                               | 2B - Possibly carcinogenic to humans              |
| National Toxicology Program (NTP) Status | 3 - Reasonably anticipated to be Human Carcinogen |

| <b>TITANIUM DIOXIDE (13463-67-7)</b> |                                      |
|--------------------------------------|--------------------------------------|
| IARC group                           | 2B - Possibly carcinogenic to humans |

| <b>ethylbenzene (100-41-4)</b> |                                      |
|--------------------------------|--------------------------------------|
| IARC group                     | 2B - Possibly carcinogenic to humans |

Reproductive toxicity : Suspected of damaging fertility or the unborn child.  
Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Causes damage to organs through prolonged or repeated exposure.

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|   |   |
|---|---|
| Aspiration hazard                                   | : Not classified  |
| Potential Adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |
| Symptoms/injuries after inhalation                  | : May cause an allergic skin reaction.                              |
| Symptoms/injuries after skin contact                | : Causes skin irritation.   |
| Symptoms/injuries after eye contact                 | : Causes serious eye irritation.                                    |

### SECTION 12: Ecological information

#### 12.1. Toxicity

No additional information available

#### 12.2. Persistence and degradability

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|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

#### 12.3. Bioaccumulative potential

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|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

|                              |  |
|------------------------------|--|
| Effect on ozone layer        | :  |
| Effect on the global warming | : No known ecological damage caused by this product. |
| Other information            | : Avoid release to the environment.                  |

### 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.   |
| Waste disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to Remove waste in accordance with local and/or national regulations. |
| 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.

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|              |                  |        |
|--------------|------------------|--------|
| styrene      | CAS No 100-42-5  | 5 - 23 |
| ethylbenzene | CAS No 100-41-4  | < 5    |
| xylene       | CAS No 1330-20-7 | < 5    |

### styrene (100-42-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Subject to reporting requirements of United States SARA Section 313

|  |         |
|--|---------|
| RQ (Reportable quantity, section 304 of EPA's List of Lists) | 1000 lb |
|--|---------|

### isopentane, 2-methylbutane (78-78-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Not subject to reporting requirements of the United States SARA Section 313

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

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### BISPHENOL A - (EPICHLOROHYDRIN); EPOXY RESIN (025068-38-6)

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

### ethylbenzene (100-41-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Subject to reporting requirements of United States SARA Section 313

|  |         |
|--|---------|
| RQ (Reportable quantity, section 304 of EPA's List of Lists) | 1000 lb |
|--|---------|

## 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 H-phrases: see section 16

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

#### 15.2.2. National regulations

### styrene (100-42-5)

Listed on IARC (International Agency for Research on Cancer)  
Listed as carcinogen on NTP (National Toxicology Program)

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

Listed on IARC (International Agency for Research on Cancer)

### ethylbenzene (100-41-4)

Listed on IARC (International Agency for Research on Cancer)

## 15.3. US State regulations

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

### ethylbenzene (100-41-4)

| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | Non-significant risk level (NSRL) |
|---|---|---|---|-----------------------------------|
| Yes   | No  | No  | No  | 54                                |

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### SECTION 16: Other information

Other information : None.

Full text of H-phrases:

|                           |   |
|---------------------------|---|
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhalation) Category 4                            |
| Aquatic Chronic 2         | Hazardous to the aquatic environment - Chronic Hazard Category 2  |
| Asp. Tox. 1               | Aspiration hazard Category 1                                      |
| Carc. 2                   | Carcinogenicity Category 2  |
| Eye Irrit. 2A             | Serious eye damage/eye irritation Category 2A                     |
| Flam. Liq. 1              | Flammable liquids Category 1                                      |
| Flam. Liq. 2              | Flammable liquids Category 2                                      |
| Flam. Liq. 3              | Flammable liquids Category 3                                      |
| Repr. 2                   | Reproductive toxicity Category 2                                  |
| Skin Irrit. 2             | Skin corrosion/irritation Category 2                              |
| Skin Sens. 1              | Skin sensitization Category 1                                     |
| STOT RE 1                 | Specific target organ toxicity (repeated exposure) Category 1     |
| STOT RE 2                 | Specific target organ toxicity (repeated exposure) Category 2     |
| STOT SE 3                 | Specific target organ toxicity (single exposure) Category 3       |
| H224                      | Extremely flammable liquid and vapor                              |
| H225                      | Highly flammable liquid and vapor                                 |
| H226                      | Flammable liquid and vapor  |
| H304                      | May be fatal if swallowed and enters airways                      |
| H315                      | Causes skin irritation  |
| H317                      | May cause an allergic skin reaction                               |
| H319                      | Causes serious eye irritation                                     |
| H332                      | Harmful if inhaled  |
| H336                      | May cause drowsiness or dizziness                                 |
| H351                      | Suspected of causing cancer                                       |
| H361                      | Suspected of damaging fertility or the unborn child               |
| H372                      | Causes damage to organs through prolonged or repeated exposure    |
| H373                      | May cause damage to organs through prolonged or repeated exposure |
| H411                      | Toxic to aquatic life with long lasting effects                   |

NFPA health hazard

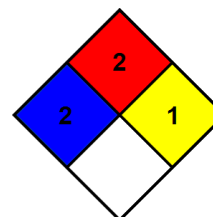
: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard

: 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.

NFPA reactivity

: 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.



SDS US UPOL

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