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

1.1. Product identifier
Product form : Mixture
Product name : P38PBX-R
Product group : Bodyfiller

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Intended for general public
Industrial/Professional use spec : Intended for general public
Function or use category : Fillers

1.2.2. Uses advised against
No additional information available

1.3. Details of the supplier of the safety data sheet
U-POL LIMITED
Denington Road, Wellingborough
NN8 2QH - UK
T +44 (0) 1933 230310 - F +44 (0) 1933 425797
technical.department@u-pol.com - www.u-pol.com

1.4. Emergency telephone number
Emergency number : +44 (0) 870 8200418

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Flammable liquids, Category 3 (H226)
Skin corrosion/irritation, Category 2 (H315)
Serious eye damage/eye irritation, Category 2 (H319)
Reproductive toxicity, Category 2 (H361)
Specific target organ toxicity — Repeated exposure, Category 1 (H372)

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

Adverse physicochemical, human health and environmental effects
No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :

GHS02
GHS07
GHS08

Signal word (CLP) : Danger
Hazardous ingredients : styrene
Hazard statements (CLP) : H226 - Flammable liquid and vapour
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H361 - Suspected of damaging the unborn child
H372 - Causes damage to organs (hearing organs) through prolonged or repeated exposure (Inhalation)

Precautionary statements (CLP) : P102 - Keep out of reach of children
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P261 - Avoid breathing fume, vapours
2.3. Other hazards
No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>styrene</td>
<td>(CAS No) 100-42-5 (EC no) 202-851-5 (REACH no) 01-2119457861-32</td>
<td>5 - 23</td>
<td>Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361d STOT RE 1, H372</td>
</tr>
</tbody>
</table>

Full text of H-statements: 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 : Assure fresh air breathing. Allow the victim to rest.

First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Gently wash with plenty of soap and water. Get medical advice/attention. Repeated exposure may cause skin dryness or cracking.

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 the unborn child. Causes damage to organs (hearing organs) through prolonged or repeated exposure (Inhalation).

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


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

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour.

Explosion hazard : May form flammable/explosive vapour-air mixture.

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 the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

6.1.1. For non-emergency personnel

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: Collect spillage.
Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. 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

Additional hazards when processed: Handle empty containers with care because residual vapours are flammable.
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 vapour. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe fume, vapours.
Hygiene measures: Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, Lighting equipment equipment.
Storage conditions: Keep only in the original container in a cool, well ventilated place away from: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ignition sources. Heat sources. Keep container tightly closed.
Incompatible products: Strong bases. Strong acids.
Incompatible materials: Sources of ignition. Direct sunlight. Heat sources.
Storage temperature: < 25 °C
Storage area: Store in a well-ventilated place.
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>Substance</th>
<th>Local name</th>
<th>Control parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>styrene (100-42-5)</td>
<td>United Kingdom: WEL TWA (mg/m³)</td>
<td>430 mg/m³</td>
</tr>
<tr>
<td></td>
<td>United Kingdom: WEL TWA (ppm)</td>
<td>100 ppm</td>
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<tr>
<td></td>
<td>United Kingdom: WEL STEL (mg/m³)</td>
<td>1080 mg/m³</td>
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<tr>
<td></td>
<td>United Kingdom: WEL STEL (ppm)</td>
<td>250 ppm</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

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 : Liquid
Appearance : Paste.
Colour : Light grey.
Odour : characteristic.
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : ≈ 32 °C
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : Flammable liquid and vapour
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : No data available
Density : 1.21 - 1.25 g/cm³
Solubility : insoluble in water. Soluble in aromatic hydrocarbons.
Log Pow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information
VOC content - Actual : 229 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity
No additional information available

10.2. Chemical stability
Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions
Not established.

10.4. Conditions to avoid
P38PBX-R
Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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
Skin corrosion/irritation : Causes skin irritation.
Additional information : Repeated exposure may cause skin dryness or cracking
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : Not classified
Additional information : Based on available data, the classification criteria are not met
Germ cell mutagenicity : Not classified
Additional information : Based on available data, the classification criteria are not met
Carcinogenicity : Not classified
Additional information : Based on available data, the classification criteria are not met
Reproductive toxicity
Specific target organ toxicity (single exposure) : Not classified
Additional information : Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure) : Causes damage to organs (hearing organs) through prolonged or repeated exposure (Inhalation).
Additional information : Not classified
Aspiration hazard : Not classified
Additional information : Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity
No additional information available

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>P38PBX-R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>P38PBX-R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil
No additional information available

12.5. Results of PBT and vPvB assessment
No additional information available

12.6. Other adverse effects
Additional 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 disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to Dispose of at authorized waste collection point.
Additional information : Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials : Avoid release to the environment.
SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1.</td>
<td>UN number</td>
<td>1866</td>
<td>1866</td>
<td>1866</td>
</tr>
<tr>
<td>14.2.</td>
<td>UN proper shipping name</td>
<td>RESIN SOLUTION</td>
<td>Resin solution</td>
<td>RESIN SOLUTION</td>
</tr>
</tbody>
</table>

Transport document description

UN 1866 RESIN SOLUTION, 3, III, (D/E)
UN 1866 RESIN SOLUTION, 3, III
UN 1866 Resin solution, 3, III
UN 1866 RESIN SOLUTION, 3, III
UN 1866 RESIN SOLUTION, 3, III

14.3. Transport hazard class(es)

| 3 |

14.4. Packing group

| III |

14.5. Environmental hazards

Dangerous for the environment: No
Marine pollutant: No

No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR): F1
Special provisions (ADR): 640E
Limited quantities (ADR): 5l
Excepted quantities (ADR): E1
Packing instructions (ADR): P001, IBC03, LP01, R001
Special packing provisions (ADR): PP1
Mixed packing provisions (ADR): MP19
Portable tank and bulk container instructions (ADR): T2
Portable tank and bulk container special provisions (ADR): TP1
Tank code (ADR): LGBF
Vehicle for tank carriage: FL
Transport category (ADR): 3
Special provisions for carriage - Packages (ADR): V12
Special provisions for carriage - Operation (ADR): S2
Hazard identification number (Kemler No.): 30
Orange plates: 30
Tunnel restriction code (ADR): D/E
EAC code: •3YE

- Transport by sea

Special provisions (IMDG): 223, 955
Limited quantities (IMDG): 5 L
Excepted quantities (IMDG): E1
Packing instructions (IMDG): P001, LP01
Special packing instructions (IMDG): PP1
IBC packing instructions (IMDG): IBC03
Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

- **Air transport**
  - PCA Excluded quantities (IATA): E1
  - PCA Limited quantities (IATA): Y344
  - PCA limited quantity max net quantity (IATA): 10L
  - PCA packing instructions (IATA): 355
  - PCA max net quantity (IATA): 60L
  - CAO packing instructions (IATA): 366
  - CAO max net quantity (IATA): 220L
  - Special provisions (IATA): A3
  - ERG code (IATA): 3L

- **Inland waterway transport**
  - Classification code (ADN): F1
  - Special provisions (ADN): 640E
  - Limited quantities (ADN): 5L
  - Excepted quantities (ADN): E1
  - Equipment required (ADN): PP, EX, A
  - Ventilation (ADN): VE01
  - Number of blue cones/lights (ADN): 0

- **Rail transport**
  - Classification code (RID): F1
  - Special provisions (RID): 640E
  - Limited quantities (RID): 5L
  - Excepted quantities (RID): E1
  - Packing instructions (RID): P001, IBC03, LP01, R001
  - Special packing provisions (RID): PP1
  - Mixed packing provisions (RID): MP19
  - Portable tank and bulk container instructions (RID): T2
  - Portable tank and bulk container special provisions (RID): TP1
  - Tank codes for RID tanks (RID): LGBF
  - Transport category (RID): 3
  - Special provisions for carriage – Packages (RID): W12
  - Coils express (express parcels) (RID): CE4
  - Hazard identification number (RID): 30

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Not applicable

**SECTION 15: Regulatory information**

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2. National regulations
No additional information available
No chemical safety assessment has been carried out

**SECTION 16: Other information**


**Other information**: None.

**Full text of H- and EUH-statements**:

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Inhalation:dust,mist)</th>
<th>Acute toxicity (inhalation:dust,mist) Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irrit. 2</td>
<td>Serious eye damage/eye irritation, Category 2</td>
</tr>
<tr>
<td>Flam. Liq. 3</td>
<td>Flammable liquids, Category 3</td>
</tr>
<tr>
<td>Repr. 2</td>
<td>Reproductive toxicity, Category 2</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation, Category 2</td>
</tr>
<tr>
<td>STOT RE 1</td>
<td>Specific target organ toxicity — Repeated exposure, Category 1</td>
</tr>
<tr>
<td>H226</td>
<td>Flammable liquid and vapour</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</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>H361</td>
<td>Suspected of damaging fertility or the unborn child</td>
</tr>
<tr>
<td>H361d</td>
<td>Suspected of damaging the unborn child</td>
</tr>
<tr>
<td>H372</td>
<td>Causes damage to organs through prolonged or repeated exposure</td>
</tr>
</tbody>
</table>

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