1. Identification

Product identifier

Product name  EZ-SPRAY CERAMIC BLUE RESIN

Product number  11781-R

Recommended use of the chemical and restrictions on use

Application  Resin.

Details of the supplier of the safety data sheet

Supplier  ITW Performance Polymers

Bay 150

Shannon Industrial Estate

Co. Clare

Ireland

V14 DF82

353(61)771500

353(61)471285

customerservice.shannon@itwpp.com

Emergency telephone number

Emergency telephone  +44(0)1235 239 670 (24h)

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards  Not Classified

Health hazards  Skin Irrit. 2 - H315 Skin Sens. 1 - H317

Environmental hazards  Aquatic Chronic 2 - H411

Human health  The product contains an epoxy resin. May cause sensitization or allergic reactions in sensitive individuals.

Label elements

Hazard symbols

Signal word  Warning

Hazard statements  H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.
EZ-SPRAY CERAMIC BLUE RESIN

Precautionary statements

P261 Avoid breathing vapor/spray.
P264 Wash contaminated skin thoroughly after handling.
P272 Contaminated work clothing must not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 If on skin: Wash with plenty of water.
P311+P333 If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

Contains

EPOXY RESIN (Number average MW <= 700 ), 1,4-BIS[(2,3-EPOXYPROPOXY)METHYL]CYCLOHEXANE

Other hazards

This product does not contain any substances classified as PBT or vPvB.

3. Composition/Information on ingredients

Mixtures

EPOXY RESIN (Number average MW <= 700 ) 30-60%
CAS number: 25068-38-6

Classification
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Skin Sens. 1 - H317
Aquatic Chronic 2 - H411

1,4-BIS[(2,3-EPOXYPROPOXY)METHYL]CYCLOHEXANE 1-5%
CAS number: 14228-73-0

Classification
Skin Sens. 1 - H317

The full text for all hazard statements is displayed in Section 16.

4. First-aid measures

Description of first aid measures

General information
Avoid contact with skin and eyes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Inhalation
Move affected person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.

Ingestion
Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Get medical attention immediately.

Skin Contact
Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.
EZ-SPRAY CERAMIC BLUE RESIN

Eye contact
Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention. Get medical attention if irritation persists after washing.

Most important symptoms and effects, both acute and delayed

General information
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Indication of immediate medical attention and special treatment needed

Notes for the doctor
No specific recommendations. If in doubt, get medical attention promptly.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media
Extinguish with foam, carbon dioxide or dry powder.

Special hazards arising from the substance or mixture

Specific hazards
Irritating gases or vapors.

Advice for firefighters

Protective actions during firefighting
Avoid breathing fire gases or vapors. Keep up-wind to avoid fumes. Do not use water jet as an extinguisher, as this will spread the fire. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions
Warn everybody of potential hazards and evacuate if necessary. Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes.

Environmental precautions

Environmental precautions
Avoid the spillage or runoff entering drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

Methods and material for containment and cleaning up

Methods for cleaning up
Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labeled with correct contents and hazard symbol.

Reference to other sections
Wear protective clothing as described in Section 8 of this safety data sheet.

7. Handling and storage

Precautions for safe handling

Usage precautions
Open drum carefully as content may be under pressure. Avoid spilling. Avoid contact with skin and eyes. Keep away from heat, sparks and open flame. Avoid eating, drinking and smoking when using the product. Good personal hygiene procedures should be implemented.

Conditions for safe storage, including any incompatibilities

Storage precautions
Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10).

Specific end uses(s)
EZ-SPRAY CERAMIC BLUE RESIN

**Specific end use(s)**  
The identified uses for this product are detailed in Section 1.

### 8. Exposure controls/Personal protection

**Ingredient comments**  
WEL = Workplace Exposure Limits

**Exposure controls**

**Protective equipment**  

**Appropriate engineering controls**  
Provide adequate general and local exhaust ventilation.

**Eye/face protection**  
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with OSHA 1910.133.

**Hand protection**  
Wear protective gloves. It is recommended that gloves are made of the following material: Butyl rubber. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. The selected gloves should have a breakthrough time of at least 8 hours.

**Other skin and body protection**  
Wear apron or protective clothing in case of contact.

**Hygiene measures**  
Provide eyewash station and safety shower. Keep away from food, drink and animal feeding stuffs. Wash at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin. Promptly remove any clothing that becomes contaminated.

**Respiratory protection**  
If ventilation is inadequate, suitable respiratory protection must be worn. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. Check that the respirator fits tightly and the filter is changed regularly. Wear a respirator fitted with the following cartridge: Gas filter, type A2. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134.

### 9. Physical and chemical properties

**Information on basic physical and chemical properties**

**Appearance**  
Viscous liquid.

**Color**  
Blue.

**Odor**  
Slight.

**pH**  
\[ pH \text{ (diluted solution): } 7.0 \text{ 50g/l H2O} \]

**Initial boiling point and range**  
\[ >260°C @ \]

**Flash point**  
\[ >204°C \]

**Vapor pressure**  
\[ <0.03\text{mmHg } @ \text{ °C} \]

**Relative density**  
\[ 1.83 @ \text{ °C} \]

**Solubility(ies)**  
Slightly soluble in water.

**Auto-ignition temperature**  
\[ >300°C \]
## EZ-SPRAY CERAMIC BLUE RESIN

### Viscosity

50,000 cP @ 25°C

### Other information

Not available.

### 10. Stability and reactivity

<table>
<thead>
<tr>
<th>Reactivity</th>
<th>Acids. Strong oxidizing agents.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability</td>
<td>Stable at normal ambient temperatures and when used as recommended.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>Not available.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time. Avoid exposure to high temperatures or direct sunlight.</td>
</tr>
<tr>
<td>Materials to avoid</td>
<td>Strong acids. Strong oxidizing agents.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Aldehydes. Acids.</td>
</tr>
</tbody>
</table>

### 11. Toxicological information

#### Information on toxicological effects

<table>
<thead>
<tr>
<th>Skin Contact</th>
<th>Irritating to skin. Prolonged contact may cause redness, irritation and dry skin. May cause sensitisation by skin contact. May cause sensitization or allergic reactions in sensitive individuals.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye contact</td>
<td>Irritating to eyes.</td>
</tr>
<tr>
<td>Acute and chronic health hazards</td>
<td>The product contains an epoxy resin. May cause sensitization or allergic reactions in sensitive individuals.</td>
</tr>
<tr>
<td>Route of exposure</td>
<td>Inhalation Ingestion.</td>
</tr>
</tbody>
</table>

### 12. Ecological information

<table>
<thead>
<tr>
<th>Ecotoxicity</th>
<th>Avoid release to the environment. The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity</td>
<td>Very toxic to aquatic organisms.</td>
</tr>
</tbody>
</table>

#### Persistence and degradability

<table>
<thead>
<tr>
<th>Persistence and degradability</th>
<th>There are no data on the degradability of this product.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
<td>No data available on bioaccumulation.</td>
</tr>
<tr>
<td>Mobility in soil</td>
<td>Do not discharge into drains or watercourses or onto the ground.</td>
</tr>
<tr>
<td>Mobility</td>
<td></td>
</tr>
<tr>
<td>Other adverse effects</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

### 13. Disposal considerations

| Waste treatment methods | |
|-------------------------||

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EZ-SPRAY CERAMIC BLUE RESIN

General information
When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Waste class
08 04 99

14. Transport information

General
No other information known.

UN Number
UN No. (TDG) 3082
UN No. (IMDG) 3082
UN No. (ICAO) 3082
UN No. (DOT) 3082

UN proper shipping name
Proper shipping name (TDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ))
Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ))
Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ))
Proper shipping name (DOT) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ))

Transport hazard class(es)
TDG class 9
TDG label(s) 9
IMDG Class 9
ICAO class/division 9

Transport labels

Packing group
TDG Packing Group III
IMDG packing group III
ICAO packing group III
DOT packing group III

Environmental hazards

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This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.