SAFETY DATA SHEET
EPOXY COAT 7000 AR GREY RESIN

1. Identification

Product identifier
Product name EPOXY COAT 7000 AR GREY RESIN

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
mail@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

Label elements

Pictogram

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.
EPOXY COAT 7000 AR GREY 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 Specific treatment (see medical advice on this label).
P312 If skin irritation occurs: Get medical advice/ attention.
P332+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/ container in accordance with national regulations.

Contains

PHENOL,POLYMER WITH FORMALDEHYDE,GLYCIDYL ETHER, EPOXY RESIN (Number average MW <= 700)

Other hazards

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

3. Composition/Information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>PHENOL,POLYMER WITH FORMALDEHYDE,GLYCIDYL ETHER</th>
<th>60-100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 28064-14-4</td>
<td></td>
</tr>
</tbody>
</table>

Classification

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

<table>
<thead>
<tr>
<th>EPOXY RESIN (Number average MW &lt;= 700 )</th>
<th>5-10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 25068-38-6</td>
<td></td>
</tr>
</tbody>
</table>

Classification

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

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. Get medical attention if any discomfort continues.

Ingestion

DO NOT induce vomiting. Get medical attention immediately. If swallowed, seek medical advice immediately and show this container or label.
EPOXY COAT 7000 AR GREY RESIN

Skin Contact
Remove affected person from source of contamination. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

Eye contact
Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur 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

Advice for firefighters
Protective actions during firefighting
Avoid breathing fire gases or vapors. Keep up-wind to avoid fumes. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

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
Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation.

Environmental precautions
Do not discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up
Absorb spillage with sand or other inert absorbent. 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
Use only in well-ventilated areas. Handle and open container with care. Keep away from heat, sparks and open flame. 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 use(s)
The identified uses for this product are detailed in Section 1.
EPOXY COAT 7000 AR GREY RESIN

8. Exposure Controls/personal protection

<table>
<thead>
<tr>
<th>Ingredient comments</th>
<th>No exposure limits known for ingredient(s).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exposure controls</td>
<td></td>
</tr>
<tr>
<td>Appropriate engineering controls</td>
<td>Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.</td>
</tr>
<tr>
<td>Eye/face protection</td>
<td>Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles. Personal protective equipment for eye and face protection should comply with OSHA 1910.133.</td>
</tr>
<tr>
<td>Hand protection</td>
<td>Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. The selected gloves should have a breakthrough time of at least 8 hours. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation.</td>
</tr>
<tr>
<td>Other skin and body protection</td>
<td>Avoid contact with skin.</td>
</tr>
<tr>
<td>Hygiene measures</td>
<td>Provide eyewash station and safety shower. Keep away from food, drink and animal feeding stuffs. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Do not eat, drink or smoke when using the product. Change work clothing daily before leaving workplace.</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>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: Organic vapor filter. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134.</td>
</tr>
</tbody>
</table>

9. Physical and Chemical Properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Colored liquid.</td>
</tr>
<tr>
<td>Color</td>
<td>Grey.</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight.</td>
</tr>
<tr>
<td>pH</td>
<td>pH (concentrated solution): 7 @ 25 ºC</td>
</tr>
<tr>
<td>Initial boiling point and range</td>
<td>260ºC @</td>
</tr>
<tr>
<td>Flash point</td>
<td>204.4ºC PMCC (Pensky-Martens closed cup).</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>0.03 mm Hg @ ºC</td>
</tr>
<tr>
<td>Vapor density</td>
<td>&gt;1</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.17 @ ºC</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Slightly soluble in water.</td>
</tr>
<tr>
<td>Auto-Ignition temperature</td>
<td>°C</td>
</tr>
<tr>
<td>Viscosity</td>
<td>@ ºC</td>
</tr>
</tbody>
</table>
EPOXY COAT 7000 AR GREY RESIN

Other information
Not available.

Volatile organic compound
This product contains a maximum VOC content of 0 g/litre.

10. Stability and reactivity
Reactivity

Stability
Stable at normal ambient temperatures and when used as recommended.

Possibility of hazardous reactions
Not available.

Conditions to avoid
Avoid heat, flames and other sources of ignition.

Materials to avoid
Avoid contact with the following materials: Strong oxidizing agents. Strong acids. Amines.

Hazardous decomposition products
Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11. Toxicological information

Information on toxicological effects

Inhalation
May cause respiratory system irritation. Vapors may irritate throat/respiratory system. A single exposure may cause the following adverse effects: Coughing. Difficulty in breathing.

Ingestion
May cause discomfort if swallowed. Gastrointestinal symptoms, including upset stomach. May cause chemical burns in mouth, esophagus and stomach.

Skin Contact
Irritating to skin. May cause sensitisation by skin contact. The product contains a small amount of sensitizing substance. May cause sensitization or allergic reactions in sensitive individuals.

Eye contact
Irritating to eyes.

Acute and chronic health hazards
The product contains an epoxy resin. May cause sensitization or allergic reactions in sensitive individuals.

Route of entry
Inhalation Ingestion. Skin and/or eye contact

Target Organs
Eyes Skin Respiratory system, lungs

12. Ecological Information

Ecotoxicity
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.

Toxicity
Not considered toxic to fish.

Persistence and degradability

Persistence and degradability
There are no data on the degradability of this product.

Bioaccumulative potential

Bio-Accumulative Potential
No data available on bioaccumulation.

Mobility in soil
EPOXY COAT 7000 AR GREY RESIN

Mobility
Do not discharge into drains or watercourses or onto the ground.

Other adverse effects
Not available.

13. Disposal considerations

Waste treatment methods

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. (PHENOL,POLYMER WITH FORMALDEHYDE,GLYCIDYL ETHER)
Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PHENOL,POLYMER WITH FORMALDEHYDE,GLYCIDYL ETHER)
Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PHENOL,POLYMER WITH FORMALDEHYDE,GLYCIDYL ETHER)
Proper shipping name (DOT) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PHENOL,POLYMER WITH FORMALDEHYDE,GLYCIDYL ETHER)

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
EPOXY COAT 7000 AR GREY RESIN

ICAO packing group
DOT packing group
Environmental hazards
Environmentally Hazardous Substance

Special precautions for user
EmS
F-A, S-F

Transport in bulk according to
Annex II of MARPOL 73/78
and the IBC Code
No information required.

15. Regulatory information

16. Other information

Revision date 4/3/2018
Revision 4
Supersedes date 5/4/2016
Hazard statements in full
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

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.