SAFETY DATA SHEET
PLASTIC STEEL LIQUID (B) RESIN

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name PLASTIC STEEL LIQUID (B) RESIN
Product No. X0009

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses Resin.

1.3. Details of the supplier of the safety data sheet
Supplier ITW DEVCON
BAY 150
SHANNON INDUSTRIAL ESTATE
SHANNON
CO CLARE
IRELAND
T: +353 (0)61471299
F: 353(0)61471285
info@itwppe.eu

1.4. Emergency telephone number
+44 (0) 1235 239670

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
Classification (1999/45/EEC) Xi;R36/38. R43. N;R51/53.
Human health
Preparation contains an epoxy resin, which may cause sensitisation and development of allergy.

2.2. Label elements
Contains EPOXY RESIN (Number average MW <= 700 )
Labelling

Risk Phrases
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R43 May cause sensitisation by skin contact.
R36/38 Irritating to eyes and skin.

Safety Phrases
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with plenty of water.
S37/39 Wear suitable gloves and eye/face protection.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
P5 Contains epoxy constituents. See information supplied by the manufacturer.
2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CARBON BLACK</td>
<td>&lt; 1%</td>
<td>1333-86-4</td>
<td></td>
<td>Not classified.</td>
<td>Not classified.</td>
</tr>
<tr>
<td>EPOXY RESIN</td>
<td>30-60%</td>
<td>25068-38-6</td>
<td>500-033-5</td>
<td>Skin Irrit. 2 - H315 - R43</td>
<td>Skin Sens. 1 - H317 - N,R51/53</td>
</tr>
</tbody>
</table>

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. 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 label where possible).

Inhalation
Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Contact physician if discomfort continues.

Ingestion
Rinse mouth thoroughly. DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention immediately!

Skin contact
Remove contaminated clothing immediately and wash skin with soap and water. Contact physician if irritation persists.

Eye contact
Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention. Contact physician if irritation persists.

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

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

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Specific hazards
When heated and in case of fire, irritating vapours/gases may be formed.

5.3. Advice for firefighters
Special Fire Fighting Procedures
Avoid breathing fire vapours. Keep up-wind to avoid fumes. Avoid water in straight hose stream; will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control.
Protective equipment for fire-fighters
Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation.

6.2. Environmental precautions
Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up
Absorb spillage with non-combustible, absorbent material. Transfer to a container for disposal. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

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

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Use only in well-ventilated areas. Open drum carefully as content may be under pressure. Keep away from heat, sparks and open flame. Avoid contact with skin and eyes. Do not eat, drink or smoke when using the product. Observe good chemical hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities
Store in tightly closed original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Ingredient Comments
No exposure limits noted for ingredient(s).

8.2. Exposure controls
Protective equipment

Process conditions
Provide eyewash, quick drench.
Engineering measures
Provide adequate general and local exhaust ventilation.
Respiratory equipment
If ventilation is insufficient, suitable respiratory protection must be provided.
Hand protection
Use protective gloves made of: Rubber or plastic.
Eye protection
Wear approved chemical safety goggles where eye exposure is reasonably probable.
Hygiene measures
Keep away from food, drink and animal feeding stuffs. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product. Change work clothing daily before leaving work place.
Skin protection
Wear apron or protective clothing in case of contact.
PLASTIC STEEL LIQUID (B) RESIN

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties
Appearance Viscous liquid.
Colour Dark Grey.
Odour Slight odour.
Solubility Slightly soluble in water.
Initial boiling point and boiling range >260
Melting point (°C) n/d
Relative density 2.80 20 ºC
Vapour pressure 0.03mmHg 20
pH-Value, Conc. Solution 7.0 @ 20 ºC
Flash point (°C) > 204
Auto Ignition Temperature (°C) >300

9.2. Other information
Not available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability
Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions
Not available.

10.4. Conditions to avoid
Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time. Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials
Materials To Avoid
Avoid contact with: Strong oxidising agents. Strong acids. Amines.

10.6. Hazardous decomposition products
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Vapours/gases/fumes of: Acids - organic. Aldehydes.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Skin contact
Irritating to skin. Prolonged contact may cause redness, irritation and dry skin. May cause sensitisation by skin contact. Risk of sensitisation or allergic reactions among sensitive individuals.
Eye contact
Irritating to eyes.
Health Warnings
Preparation contains an epoxy resin, which may cause sensitisation and development of allergy.
Route of entry
Inhalation. Ingestion.

<table>
<thead>
<tr>
<th>Name</th>
<th>EPOXY RESIN (Number average MW &lt;= 700 )</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxic Dose 1 - LD 50</td>
<td>&gt;2000 mg/kg (oral rat)</td>
</tr>
<tr>
<td>Toxic Dose 2 - LD 50</td>
<td>&gt;2000 mg/kg (oral rat)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARBON BLACK</td>
</tr>
</tbody>
</table>

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity
Avoid release to the environment.
12.1. Toxicity
Acute Fish Toxicity
Very toxic to aquatic organisms.

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

12.3. Bioaccumulative potential
Bioaccumulative potential
No data available on bioaccumulation.

12.4. Mobility in soil
Mobility:
Do not discharge into drains, water courses or onto the ground.

12.5. Results of PBT and vPvB assessment
This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects
Not available.

SECTION 13: DISPOSAL CONSIDERATIONS
General information
When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1. Waste treatment methods
Dispose of waste and residues in accordance with local authority requirements.
Waste Class
08 04 99

SECTION 14: TRANSPORT INFORMATION
General
No other information noted.

14.1. UN number
UN No. (ADR/RID/ADN) 3082
UN No. (IMDG) 3082
UN No. (ICAO) 3082

14.2. UN proper shipping name
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ))

14.3. Transport hazard class(es)
ADR/RID/ADN Class 9
ADR/RID/ADN Class Class 9: Miscellaneous dangerous substances and articles.
ADR Label No. 9
IMDG Class 9
ICAO Class/Division 9
Transport Labels

14.4. Packing group
ADR/RID/ADN Packing group III
IMDG Packing group III
PLASTIC STEEL LIQUID (B) RESIN

ICAO Packing group III

14.5. Environmental hazards
Environmentally Hazardous Substance/Marine Pollutant

14.6. Special precautions for user
EMS F-A, S-F
Emergency Action Code •3Z
Hazard No. (ADR) 90
Tunnel Restriction Code (E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
No information required.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU Legislation
No 1907/2006 with amendments.
Water hazard classification
WGK 2

15.2. Chemical Safety Assessment
No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Date 26/08/2011
Revision 10
Supersedes date 15/06/2011
Date 26/08/2011

Risk Phrases In Full
R36/38 Irritating to eyes and skin.
R43 May cause sensitisation by skin contact.
NC Not classified.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

Disclaimer
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.