SAFETY DATA SHEET
PHILLYMASTIC TG-7B LIQUID RESIN.

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

1.1. Product identifier
Product name          PHILLYMASTIC TG-7B LIQUID RESIN.
Product number        Y0011

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 Performance Polymers
                        Bay 150
                        Shannon Industrial Estate
                        Co. Clare
                        Ireland
                        V14 DF82
                        353(61)771500
                        353(61)471285
                        mail@itwpp.com

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards       Not Classified
Health hazards          Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317
Environmental hazards   Aquatic Chronic 2 - H411

2.2. Label elements
Pictogram

Signal word            Warning
Hazard statements      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.
PHILLYMASTIC TG-7B LIQUID RESIN.

Precautionary statements
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.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P501 Dispose of contents/ container in accordance with national regulations.

Contains
EPOXY RESIN (Number average MW <= 700 )

Supplementary precautionary statements
P261 Avoid breathing vapour/ spray.
P264 Wash contaminated skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P321 Specific treatment (see medical advice on this label).
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| EPOXY RESIN (Number average MW <= 700 ) | 10-30% |
| CAS number: 25068-38-6 | EC number: 500-033-5 | REACH registration number: 01-2119456619-26-0000 |

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

| SILICA SAND | 5-10% |
| CAS number: 14808-60-7 | EC number: 238-878-4 |

Classification
Not Classified

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information
Avoid contact with eyes. Show this safety data sheet to the doctor in attendance.

Inhalation
If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Ingestion
Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Give plenty of water to drink. Get medical attention.
PHILLYMASTIC TG-7B LIQUID 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. Get medical attention if irritation persists after washing.

4.2. 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.

4.3. Indication of any immediate medical attention and special treatment needed
Notes for the doctor
No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Specific hazards
Emits vapours if heated.

5.3. Advice for firefighters

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

SECTION 6: Accidental release measures

6.1. 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.

6.2. 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. Avoid subsoil penetration.

6.3. 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 labelled with correct contents and hazard symbol.

6.4. Reference to other sections

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

Usage precautions
Use only in well-ventilated areas. Keep away from heat, sparks and open flame. Open drum carefully as content may be under pressure. 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.

7.2. 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).
PHILLYMASTIC TG-7B LIQUID RESIN.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

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<thead>
<tr>
<th>SECTION 8: Exposure Controls/personal protection</th>
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8.1. Control parameters

**Occupational exposure limits**

**SILICA SAND**

Long-term exposure limit (8-hour TWA): WEL 0.3 mg/m³ Resp Dust, HK

WEL = Workplace Exposure Limit

**Ingredient comments**

WEL = Workplace Exposure Limits

**EPOXY RESIN (Number average MW <= 700 ) (CAS: 25068-38-6)**

**DNEL**

Workers - Dermal; Short term systemic effects: 8.33 mg/kg/day

Workers - Inhalation; Short term systemic effects: 12.25 mg/m³

8.2. Exposure controls

**Protective equipment**

**Eye/face protection**

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 European Standard EN166.

**Hand protection**

Wear protective gloves made of the following material: Rubber or plastic. To protect hands from chemicals, gloves should comply with European Standard EN374. 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**

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.

**Respiratory protection**

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 European Standard EN140.

<table>
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<th>SECTION 9: Physical and Chemical Properties</th>
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9.1. Information on basic physical and chemical properties

**Appearance**

Viscous liquid.

**Colour**

White/off-white.

**Odour**

Aromatic.

**pH**

pH (concentrated solution): 7 @ 25 °C
PHILLYMASTIC TG-7B LIQUID RESIN.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Initial boiling point and range</td>
<td>&gt;200°C @</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt;171°C</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>&lt;0.03 mm Hg @ °C</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.44 @ 20 °C°C</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>&gt;250°C</td>
</tr>
</tbody>
</table>

9.2. Other information
Other information Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions Not available.

10.4. Conditions to avoid
Conditions to avoid Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials
Materials to avoid Avoid contact with the following materials: Strong oxidising agents. Strong acids. Amines.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Skin contact This product is moderately irritating. May cause sensitisation by skin contact.
Eye contact Irritating to eyes.
Acute and chronic health hazards May cause harm to the unborn child. Possible risk of impaired fertility.
Route of entry Inhalation Ingestion.

SECTION 12: Ecological Information

Ecotoxicity Do not release into the environment.

12.1. Toxicity
Toxicity Very toxic to aquatic organisms.

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

12.3. Bioaccumulative potential
PHILLYMASTIC TG-7B LIQUID RESIN.

Bioaccumulative potential
No data available on bioaccumulation.

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

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

12.6. Other adverse effects
Other adverse effects
Not available.

SECTION 13: Disposal considerations

13.1. 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

SECTION 14: Transport information

General
No other information known.

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

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

14.3. Transport hazard class(es)
ADR/RID class 9
ADR/RID label 9
IMDG class 9
ICAO class/division 9

Transport labels

6/7
PHILLYMASTIC TG-7B LIQUID RESIN.

14.4. Packing group
ADR/RID packing group    III
IMDG packing group        III
ICAO packing group        III

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user
EmS
Emergency Action Code     •3Z
Hazard Identification Number (ADR/RID) 90
Tunnel restriction code   (E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Transport in bulk according to Annex II of MARPOL 73/78 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

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

SECTION 16: Other information

Revision date 06/04/2018
Revision 14
Supersedes date 03/05/2016
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.