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

1.1. Product identifier
Product name Insulcure 24 PT B

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

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 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317
Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements
Pictogram

Signal word Danger
Hazard statements H302+H312 Harmful if swallowed or in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H411 Toxic to aquatic life with long lasting effects.
Insulcure 24 PT B

Precautionary statements
P261 Avoid breathing vapour/spray.
P264 Wash contaminated skin thoroughly after handling.
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.

Contains
POLYAMINOAMIDE, TRIETHYLENETETRAMINE

Supplementary precautionary statements
P270 Do not eat, drink or smoke when using this product.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P312 Call a POISON CENTER/doctor if you feel unwell.
P321 Specific treatment (see medical advice on this label).
P330 Rinse mouth.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.
P501 Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>POLYAMINOAMIDE</th>
<th>60-100%</th>
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Classification
Skin Irrit. 2 - H315
Eye Dam. 1 - H318
Skin Sens. 1 - H317
Aquatic Chronic 2 - H411

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<th>TRIETHYLENETETRAMINE</th>
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Classification
Acute Tox. 4 - H312
Skin Corr. 1B - H314
Eye Dam. 1 - H318
Skin Sens. 1 - H317
Aquatic Chronic 3 - H412

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
Remove affected person from source of contamination. 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
Get medical attention immediately. Do not induce vomiting. Rinse mouth.
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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.

**Ingestion**
This product is corrosive. Harmful if swallowed. May cause chemical burns in mouth, oesophagus and stomach. May cause severe internal injury.

**Skin contact**
Corrosive to skin and eyes. Causes burns. Allergic rash.

**Eye contact**
This product is corrosive. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

**Suitable extinguishing media**
Extinguish with carbon dioxide or dry powder. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

**Unsuitable extinguishing media**
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

**Protective actions during firefighting**
Keep up-wind to avoid fumes. 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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions**
Wear protective clothing as described in Section 8 of this safety data sheet. Use suitable respiratory protection if ventilation is inadequate. Avoid inhalation of vapours and contact with skin and eyes. In case of spills, beware of slippery floors and surfaces.

6.2. Environmental precautions

**Environmental precautions**
Avoid or minimise the creation of any environmental contamination.

6.3. Methods and material for containment and cleaning up

**Methods for cleaning up**
Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.
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6.4. Reference to other sections

Reference to other sections: For personal protection, see Section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions: 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. Good personal hygiene procedures should be implemented. Provide adequate ventilation.

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. Keep away from heat, sparks and open flame. Store away from incompatible materials (see Section 10).

7.3. Specific end use(s)

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

TRIETHYLENETETRAMINE (CAS: 112-24-3)

DNEL

Workers - Inhalation; Long term systemic effects: 1 mg/m³
Workers - Inhalation; Short term systemic effects: 5380 mg/m³
Workers - Dermal; Long term systemic effects: 0.57 mg/kg/day

8.2. Exposure controls

Protective equipment

Appropriate engineering controls: Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

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: 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 European Standard EN374.

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

Hygiene measures: Provide eyewash station and safety shower. Promptly remove any clothing that becomes wet or contaminated. Wash promptly with soap and water if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.
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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: Organic vapour filter. Gas filter, type A2. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties
Appearance Liquid.
Colour Amber.
Flash point 220°C
Vapour pressure <1 mm Hg @ °C
Relative density 0.97

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity The following materials may react with the product: Oxidising materials.

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 No potentially hazardous reactions known.

10.4. Conditions to avoid
Conditions to avoid Avoid heat.

10.5. Incompatible materials
Materials to avoid Phenols, cresols.

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity - oral
ATE oral (mg/kg) 500.0

Acute toxicity - dermal
ATE dermal (mg/kg) 1,100.0

Inhalation Vapours may irritate throat/respiratory system. Symptoms following overexposure may include the following: Coughing. Prolonged inhalation of high concentrations may damage respiratory system.
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**Ingestion**
Swallowing concentrated chemical may cause severe internal injury. May cause chemical burns in mouth, oesophagus and stomach.

**Skin contact**
The product contains a small amount of sensitising substance. May cause sensitisation or allergic reactions in sensitive individuals. This product is corrosive. Causes severe skin burns and eye damage. Harmful in contact with skin.

**Eye contact**
Risk of serious damage to eyes. May cause blurred vision and serious eye damage.

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

**Target organs**
Eyes. Skin. Respiratory system, lungs

**Medical considerations**
May cause skin sensitisation or allergic reactions in sensitive individuals.

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**SECTION 12: Ecological Information**

**Ecotoxicity**
The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

**12.1. Toxicity**
Toxicity: Not determined.

**12.2. Persistence and degradability**
Persistence and degradability: No data available.

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

**12.4. Mobility in soil**
Mobility: Not determined.

**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 determined.

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**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. Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

**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

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**SECTION 14: Transport information**

**14.1. UN number**

**UN No. (ADR/RID)**
3066

**UN No. (IMDG)**
3066
Insulcure 24 PT B

UN No. (ICAO) 3066
UN No. (ADN) 3066

14.2. UN proper shipping name
Proper shipping name (ADR/RID) PAINT
Proper shipping name (IMDG) PAINT
Proper shipping name (ICAO) PAINT
Proper shipping name (ADN) PAINT

14.3. Transport hazard class(es)
ADR/RID class 8
ADR/RID classification code C9
ADR/RID label 8
IMDG class 8
ICAO class/division 8
ADN class 8

Transport labels

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

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant No.

14.6. Special precautions for user
EmS F-A, S-B
ADR transport category 3
Emergency Action Code 2X
Hazard Identification Number (ADR/RID) 80
Tunnel restriction code (E)

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

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Insulcure 24 PT B

EU legislation

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

SECTION 16: Other information

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<th>04/04/2018</th>
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<tr>
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<td>29/04/2016</td>
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<td>Hazard statements in full</td>
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<td>H302 Harmful if swallowed.</td>
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<tr>
<td>H312 Harmful in contact with skin.</td>
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<td>H314 Causes severe skin burns and eye damage.</td>
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<tr>
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<td>H412 Harmful to aquatic life with long lasting effects.</td>
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