



**SAFETY DATA SHEET**  
**Insulcure 9**

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

**1.1. Product identifier**

**Product name** Insulcure 9

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

**Identified uses** Epoxy plastic material

**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 Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317

**Environmental hazards** Aquatic Chronic 2 - H411

**2.2. Label elements**

**Pictogram**



**Signal word**

Danger

**Hazard statements**

H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.  
H302+H312 Harmful if swallowed or in contact with skin.

## Insulcure 9

<b>Precautionary statements</b>	<p>P261 Avoid breathing vapour/ spray.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P312 Call a POISON CENTER/ doctor if you feel unwell.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p>
<b>Contains</b>	3,6,9-TRIAZUNDECAMETHYLENEDIAMINE
<b>Supplementary precautionary statements</b>	<p>P260 Do not breathe vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273 Avoid release to the environment.</p> <p>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.</p> <p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P391 Collect spillage.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>

### 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

<b>3,6,9-TRIAZUNDECAMETHYLENEDIAMINE</b>	<b>60-100%</b>
CAS number: 112-57-2	EC number: 203-986-2
<b>Classification</b> Acute Tox. 4 - H312 Skin Corr. 1B - H314 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air at once. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician for specific advice.
<b>Skin contact</b>	Remove contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

## Insulcure 9

**Eye contact** Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

### 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 carbon dioxide or dry powder.

### 5.2. Special hazards arising from the substance or mixture

**Hazardous combustion products** Does not decompose when used and stored as recommended.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Use water to keep fire exposed containers cool and disperse vapours.

**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** Do not breathe vapour. Provide adequate ventilation.

### 6.2. Environmental precautions

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

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Provide adequate ventilation. Absorb spillage with inert, damp, non-combustible material. Flush contaminated area with plenty of water.

### 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** Provide adequate ventilation. Avoid inhalation of vapours.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry and cool place. Avoid contact with oxidising agents. Store away from the following materials: Acids. 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

## Insulcure 9

### 8.1. Control parameters

**Ingredient comments** No exposure limits known for ingredient(s).

### 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

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

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. 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

Provide eyewash station and safety shower. Wear apron or protective clothing in case of contact.

#### Hygiene measures

Provide eyewash station and safety shower. Wash hands after handling. Promptly remove any clothing that becomes wet or contaminated. Wash after use and before eating, smoking and using the toilet.

#### Respiratory protection

Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. 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 full facepiece respirator fitted with the following cartridge: Organic vapour filter. Gas filter, type A2. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Amber.
<b>pH</b>	pH (concentrated solution): Not determined
<b>Melting point</b>	Not determined°C
<b>Initial boiling point and range</b>	Not determined°C @
<b>Flash point</b>	>200 degree F°C
<b>Evaporation rate</b>	«59» «184» «109020»
<b>Vapour pressure</b>	@ °C
<b>Vapour density</b>	«59» «184»
<b>Auto-ignition temperature</b>	Not determined°C

### 9.2. Other information

**Volatile organic compound** This product contains a maximum VOC content of <1% .

## SECTION 10: Stability and reactivity

## Insulcure 9

### 10.1. Reactivity

**Reactivity** Acids. Alkalis.

### 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 heat. Avoid contact with the following materials: Strong oxidising agents.

### 10.5. Incompatible materials

**Materials to avoid** Acids - oxidising. Alkalis - inorganic. Alkalis - organic. Peroxides. Phenols, cresols.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Not known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**ATE oral (mg/kg)** 55,556.0

#### Acute toxicity - dermal

**ATE dermal (mg/kg)** 122,222.0

**Ingestion** Oral - Rat LD50 3990 mg/kg (Details of toxic effects not reported other than lethal dose value).

**Eye contact** Rabbit Standard Draize Test: 5 mg (moderate), Rabbit standard draize test 100 mg/24h (moderate)

## SECTION 12: Ecological Information

**Ecotoxicity** No data on possible environmental effects have been found.

### 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

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

### 12.4. Mobility in soil

**Mobility** Not considered mobile.

### 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.

## Insulcure 9

### 12.6. Other adverse effects

**Other adverse effects**                      Not available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information**                      Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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

### SECTION 14: Transport information

**General**                                        No other information known.

#### 14.1. UN number

**UN No. (ADR/RID)**                        2320

**UN No. (IMDG)**                         2320

**UN No. (ICAO)**                         2320

#### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)**      TETRAETHYLENEPENTAMINE

**Proper shipping name (IMDG)**        TETRAETHYLENEPENTAMINE

**Proper shipping name (ICAO)**        TETRAETHYLENEPENTAMINE

**Proper shipping name (ADN)**        TETRAETHYLENEPENTAMINE

#### 14.3. Transport hazard class(es)

**ADR/RID class**                            8

**ADR/RID label**                          8

**IMDG class**                                8

**ICAO class/division**                    8

#### **Transport labels**



#### 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**



## Insulcure 9

### 14.6. Special precautions for user

EmS	F-A, S-B
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

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 Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

Revision date	04/04/2018
Revision	5
Supersedes date	13/07/2015
Hazard statements in full	H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. 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.