

# **ITW** Performance Polymers

## SAFETY DATA SHEET INSULCAST 3230 LV PT A

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

#### 1.1. Product identifier

Product name                      INSULCAST 3230 LV PT A

#### 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  
customerservice.shannon@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 Muta. 2 - H341 Carc. 2 - H351

Environmental hazards              Aquatic Chronic 2 - H411

#### 2.2. Label elements

##### Hazard pictograms



Signal word

Warning

##### Hazard statements

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H341 Suspected of causing genetic defects.  
H351 Suspected of causing cancer.  
H411 Toxic to aquatic life with long lasting effects.

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<b>Precautionary statements</b>	<p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</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>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p>
<b>Contains</b>	<p>bis-[4-(2,3-epoxipropoxi)phenyl]propane, BUTYL GLYCIDYL ETHER, Hydrogen tetrakis[2,2-bis[allyloxy)methyl]butan-1-olato-O1]bis(ditridecyl phosphito -O")titanate(2-)</p>
<b>Supplementary precautionary statements</b>	<p>P201 Obtain special instructions before use.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273 Avoid release to the environment.</p> <p>P308+P313 IF exposed or concerned: Get medical advice/ attention.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it 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>bis-[4-(2,3-epoxipropoxi)phenyl]propane</b>	<b>10-30%</b>
CAS number: 1675-54-3	EC number: 216-823-5
	REACH registration number: 01-2119456619-26-0000
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	
Aquatic Chronic 2 - H411	
<b>BUTYL GLYCIDYL ETHER</b>	<b>1-5%</b>
CAS number: 2426-08-6	EC number: 219-376-4
<b>Classification</b>	
Flam. Liq. 3 - H226	
Acute Tox. 4 - H302	
Acute Tox. 4 - H332	
Skin Sens. 1 - H317	
Muta. 2 - H341	
Carc. 2 - H351	
STOT SE 3 - H335	
Aquatic Chronic 3 - H412	

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<b>CARBON BLACK</b>	<b>&lt;1%</b>
CAS number: 1333-86-4	
<b>Classification</b>	
Not Classified	
<b>Hydrogen tetrakis[2,2-bis[(allyloxy)methyl]butan-1-olato-O1]bis(ditridecyl phosphito -O")titanate(2-)</b>	<b>&lt;1%</b>
CAS number: 64157-14-8                      EC number: 264-709-9	
<b>Classification</b>	
Skin Irrit. 2 - H315	
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.
<b>Eye contact</b>	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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
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#### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with carbon dioxide or dry powder.
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#### 5.2. Special hazards arising from the substance or mixture

<b>Hazardous combustion products</b>	Does not decompose when used and stored as recommended.
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#### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Use water to keep fire exposed containers cool and disperse vapours.
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<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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### 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

#### 8.1. Control parameters

##### Occupational exposure limits

##### BUTYL GLYCIDYL ETHER

Long-term exposure limit (8-hour TWA): WEL 25 ppm 135 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL

##### CARBON BLACK

Long-term exposure limit (8-hour TWA): 3.5 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

**Ingredient comments** WEL = Workplace Exposure Limits

#### 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.

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<b>Hand protection</b>	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.
<b>Other skin and body protection</b>	Provide eyewash station and safety shower. Wear apron or protective clothing in case of contact.
<b>Hygiene measures</b>	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.
<b>Respiratory protection</b>	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>	Black.
<b>pH</b>	pH (concentrated solution): Not determined
<b>Melting point</b>	Not determined°C
<b>Initial boiling point and range</b>	162.78°C
<b>Flash point</b>	51.7°C
<b>Evaporation rate</b>	«59» «184» «109020»
<b>Vapour pressure</b>	3 mm Hg @ °C
<b>Vapour density</b>	2.1
<b>Relative density</b>	2.05
<b>Auto-ignition temperature</b>	Not determined°C

#### 9.2. Other information

<b>Volatile organic compound</b>	This product contains a maximum VOC content of <2% .
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	Acids. Alkalis.
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#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Not available.
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#### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid heat. Avoid contact with the following materials: Strong oxidising agents.
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### 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

**Other health effects** Carbon black: IARC 2B possibly carcinogenic to humans

#### Acute toxicity - oral

**ATE oral (mg/kg)** 13,157.89

#### Acute toxicity - inhalation

**ATE inhalation (gases ppm)** 118,421.05

**ATE inhalation (vapours mg/l)** 289.47

**ATE inhalation (dusts/mists mg/l)** 39.47

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Contains an ingredient listed as: Germ Cell Mutagenicity

#### Carcinogenicity

**Carcinogenicity** Contains a substance which may be potentially carcinogenic.

#### **Skin contact**

Causes skin irritation. Prolonged and frequent contact may cause redness and irritation. Allergic rash.

#### **Eye contact**

Causes serious eye irritation. Conjunctivitis, irritation, tearing. Irritation and redness, followed by blurred vision.

## 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.

### 12.6. Other adverse effects

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**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** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

No information required.

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

#### 14.2. UN proper shipping name

No information required.

**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)

##### **Transport labels**

No transport warning sign required.

#### 14.4. Packing group

No information required.

#### 14.5. Environmental hazards

##### **Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

No information required.

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

**Transport in bulk according to** No information required.

**Annex II of MARPOL 73/78**

**and the IBC Code**

### 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).

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### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### SECTION 16: Other information

<b>Revision date</b>	11/05/2021
<b>Revision</b>	4
<b>Supersedes date</b>	13/07/2015
<b>Hazard statements in full</b>	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer. H411 Toxic to aquatic life with long lasting effects. H412 Harmful 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.