



**SAFETY DATA SHEET**  
**EPOCAST-INDUSTRIE BASIS MASS**

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

**1.1. Product identifier**

**Product name** EPOCAST-INDUSTRIE BASIS MASS

**Product number** 10076

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

**Identified uses** Resin.

**Uses advised against** No specific uses advised against are identified.

**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)**

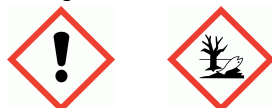
**Physical hazards** Not Classified

**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.

## EPOCAST-INDUSTRIE BASIS MASS

|   |   |
|---|---|
| <b>Precautionary statements</b>               | <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</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>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>   |
| <b>Contains</b>                               | EPOXY RESIN (Number average MW <= 700 )   |
| <b>Supplementary precautionary statements</b> | <p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P333+P313 If skin irritation or rash 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> |

### 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>QUARTZ</b>                                     | <b>30-60%</b>                                    |
| CAS number: 14808-60-7                            | EC number: 238-878-4                             |
| <b>Classification</b>                             |  |
| Not Classified                                    |  |
| <b>EPOXY RESIN (Number average MW &lt;= 700 )</b> | <b>30-60%</b>                                    |
| CAS number: 25068-38-6                            | EC number: 500-033-5                             |
|   | 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                          |  |

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>General information</b> | Remove affected person from source of contamination.  |
| <b>Inhalation</b>          | Move affected person to fresh air at once. Get medical attention if any discomfort continues.   |
| <b>Ingestion</b>           | DO NOT induce vomiting. Get medical attention immediately. Rinse mouth thoroughly with water. Give plenty of water to drink.            |
| <b>Skin contact</b>        | Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing. |

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**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 if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

### 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.

**Inhalation** No specific symptoms known.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Skin irritation. Allergic rash.

**Eye contact** Irritation of eyes and mucous membranes.

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

**Notes for the doctor** Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

**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** Not known. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Contain and collect extinguishing water. If risk of water pollution occurs, notify appropriate authorities.

**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. In case of spills, beware of slippery floors and surfaces.

### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material.

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

**Methods for cleaning up** Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. Collect and dispose of spillage as indicated in Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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**Usage precautions** Read and follow manufacturer's recommendations. Do not eat, drink or smoke when using the product. Contaminated clothing and shoes must be discarded. 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. Keep container dry. Keep container tightly closed. Avoid contact with oxidising agents. Keep away from food, drink and animal feeding stuffs. Do not store near heat sources or expose to high temperatures.

### 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

#### QUARTZ

Long-term exposure limit (8-hour TWA): 0.3 mg/m<sup>3</sup>

#### 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/m<sup>3</sup>

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation.

#### Hand protection

Butyl rubber. (EN 374) Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin. 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.

#### Other skin and body protection

Use barrier creams to prevent skin contact. Wear appropriate clothing to prevent any possibility of skin contact.

#### Respiratory protection

Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Wear a respirator fitted with the following cartridge: Gas filter, type A2. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. 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** Brown.  
**Odour** Characteristic.

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|   |   |
|---|---|
| <b>pH</b>   | Not applicable. Not applicable.                             |
| <b>Melting point</b>                                | Not determined.   |
| <b>Initial boiling point and range</b>              | Not applicable.   |
| <b>Evaporation rate</b>                             | Not applicable.   |
| <b>Upper/lower flammability or explosive limits</b> | Not applicable.   |
| <b>Vapour pressure</b>                              | Not determined.   |
| <b>Vapour density</b>                               | Not applicable.   |
| <b>Relative density</b>                             | Not determined.   |
| <b>Bulk density</b>                                 | Not applicable.   |
| <b>Solubility(ies)</b>                              | Immiscible with water.                                      |
| <b>Auto-ignition temperature</b>                    | Not applicable.   |
| <b>Viscosity</b>                                    | Not applicable.   |
| <b>Oxidising properties</b>                         | Does not meet the criteria for classification as oxidising. |
| <b><u>9.2. Other information</u></b>                |   |
| <b>Other information</b>                            | None.   |
| <b>Volatile organic compound</b>                    | This product contains a maximum VOC content of 0 g/litre.   |

### SECTION 10: Stability and reactivity

#### **10.1. Reactivity**

**Reactivity** The following materials may react with the product: Oxidising materials. Acids. Strong 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 relevant.

#### **10.4. Conditions to avoid**

**Conditions to avoid** Avoid contact with strong oxidising agents. Avoid contact with acids and alkalis.

#### **10.5. Incompatible materials**

**Materials to avoid** Strong oxides.

#### **10.6. Hazardous decomposition products**

**Hazardous decomposition products** No known hazardous decomposition products.

### SECTION 11: Toxicological information

#### **11.1. Information on toxicological effects**

**Toxicological effects** No data recorded.

**Inhalation** No specific health hazards known.

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|   |  |
|---|--|
| <b>Ingestion</b>                        | May cause discomfort if swallowed.   |
| <b>Skin contact</b>                     | Irritating to skin. May cause sensitisation by skin contact.   |
| <b>Eye contact</b>                      | Irritation of eyes and mucous membranes.   |
| <b>Acute and chronic health hazards</b> | The product contains an epoxy resin. May cause sensitisation or allergic reactions in sensitive individuals. |

### SECTION 12: Ecological Information

|                    |  |
|--------------------|--|
| <b>Ecotoxicity</b> | The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. |
|--------------------|--|

#### 12.1. Toxicity

#### 12.2. Persistence and degradability

|                                      |   |
|--------------------------------------|---|
| <b>Persistence and degradability</b> | There are no data on the degradability of this product. |
|--------------------------------------|---|

#### 12.3. Bioaccumulative potential

|                                  |                                       |
|----------------------------------|---------------------------------------|
| <b>Bioaccumulative potential</b> | No data available on bioaccumulation. |
|----------------------------------|---------------------------------------|

#### 12.4. Mobility in soil

|                 |  |
|-----------------|--|
| <b>Mobility</b> | The product has poor water-solubility. |
|-----------------|--|

#### 12.5. Results of PBT and vPvB assessment

|   |   |
|---|---|
| <b>Results of PBT and vPvB assessment</b> | This substance is not classified as PBT or vPvB according to current EU criteria. |
|---|---|

#### 12.6. Other adverse effects

|                              |                 |
|------------------------------|-----------------|
| <b>Other adverse effects</b> | Not determined. |
|------------------------------|-----------------|

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

|                            |   |
|----------------------------|---|
| <b>General information</b> | 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. |
|----------------------------|---|

|                         |  |
|-------------------------|--|
| <b>Disposal methods</b> | 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. |
|-------------------------|--|

|                    |          |
|--------------------|----------|
| <b>Waste class</b> | 08 04 09 |
|--------------------|----------|

### SECTION 14: Transport information

#### 14.1. UN number

|                         |      |
|-------------------------|------|
| <b>UN No. (ADR/RID)</b> | 3082 |
|-------------------------|------|

|                      |      |
|----------------------|------|
| <b>UN No. (IMDG)</b> | 3082 |
|----------------------|------|

|                      |      |
|----------------------|------|
| <b>UN No. (ICAO)</b> | 3082 |
|----------------------|------|

#### 14.2. UN proper shipping name

|                                       |   |
|---------------------------------------|---|
| <b>Proper shipping name (ADR/RID)</b> | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A Epoxy Resin) |
|---------------------------------------|---|

|                                    |   |
|------------------------------------|---|
| <b>Proper shipping name (IMDG)</b> | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A Epoxy Resin) |
|------------------------------------|---|

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**Proper shipping name (ICAO)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A Epoxy Resin)

**Proper shipping name (ADN)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A Epoxy Resin)

### 14.3. Transport hazard class(es)

ADR/RID class 9

ADR/RID label 9

IMDG class 9

ICAO class/division 9

#### 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



### 14.6. Special precautions for user

EmS F-A, S-F

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

#### SECTION 15: Regulatory information

##### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**National regulations** The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

**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

## EPOCAST-INDUSTRIE BASIS MASS

|                                  |   |
|----------------------------------|---|
| <b>Revision date</b>             | 04/04/2018  |
| <b>Revision</b>                  | 4   |
| <b>Supersedes date</b>           | 06/12/2017  |
| <b>Hazard statements in full</b> | H315 Causes skin irritation.<br>H317 May cause an allergic skin reaction.<br>H319 Causes serious eye irritation.<br>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.