

# **ITW** Performance Polymers

## SAFETY DATA SHEET REPAIR COMPOUND RESIN

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

#### 1.1. Product identifier

Product name	REPAIR COMPOUND RESIN
Product number	Y0021
UFI	UFI: A5E0-90E8-E00G-108J

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

Identified uses	Resin.
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#### 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
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#### 1.4. Emergency telephone number

Emergency telephone	+44(0)1235 239 670 (24h)
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### 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 - H312 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317
Environmental hazards	Aquatic Chronic 2 - H411

Human health	The product contains an epoxy resin. May cause sensitisation or allergic reactions in sensitive individuals.
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#### 2.2. Label elements

##### Hazard pictograms



Signal word	Warning
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## REPAIR COMPOUND RESIN

<b>Hazard statements</b>	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. H312 Harmful in contact with skin.
<b>Precautionary statements</b>	P261 Avoid breathing vapour/ spray. 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.
<b>Supplemental label information</b>	EUH205 Contains epoxy constituents. May produce an allergic reaction.
<b>Contains</b>	EPOXY RESIN (Number average MW <= 700 ), 1,4-BIS[(2,3-EPOXYPROPOXY)METHYL]CYCLOHEXANE
<b>Supplementary precautionary statements</b>	P264 Wash contaminated skin thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P312 Call a POISON CENTRE/doctor if you feel unwell. P321 Specific treatment (see medical advice on this label). P332+P313 If skin irritation occurs: Get medical advice/ attention. P333+P313 If skin irritation or rash 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. P501 Dispose of contents/ container in accordance with national regulations.

### 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>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	
<b>1,4-BIS[(2,3-EPOXYPROPOXY)METHYL]CYCLOHEXANE</b>	<b>1-5%</b>
CAS number: 14228-73-0	EC number: 238-098-4
<b>Classification</b>	
Skin Sens. 1 - H317	

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<b>SILICA SAND</b>	<b>1-5%</b>
CAS number: 14808-60-7	EC number: 238-878-4
<b>Classification</b> Not Classified	
<b>QUARTZ</b>	<b>&lt;1%</b>
CAS number: 14808-60-7	EC number: 238-878-4
<b>Classification</b> Not Classified	
<b>CARBON BLACK</b>	<b>&lt;1%</b>
CAS number: 1333-86-4	
<b>Classification</b> 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

<b>General information</b>	Avoid contact with skin and eyes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
<b>Inhalation</b>	Move affected person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.
<b>Ingestion</b>	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. Never give anything by mouth to an unconscious person. Do not induce vomiting. Get medical attention immediately.
<b>Skin contact</b>	Remove affected person from source of contamination. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention. Get medical attention if irritation persists after washing.

#### 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 foam, carbon dioxide or dry powder.
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#### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Irritating gases or vapours.
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#### 5.3. Advice for firefighters

## REPAIR COMPOUND RESIN

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Keep up-wind to avoid fumes. Do not use water jet as an extinguisher, as this will spread the fire. 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** Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes.

#### 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.

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

**Methods for cleaning up** Absorb spillage with non-combustible, absorbent material. 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. Avoid contact with skin and eyes. Avoid eating, drinking and smoking when using the product. Good personal hygiene procedures should be implemented.

#### 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.

#### 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

##### **SILICA SAND**

Long-term exposure limit (8-hour TWA): WEL 0.3 mg/m<sup>3</sup> Resp Dust, HK

##### **QUARTZ**

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

##### **CARBON BLACK**

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

WEL = Workplace Exposure Limit.

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

## REPAIR COMPOUND RESIN

### 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 general and local exhaust ventilation.

#### 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.

#### Hand protection

Wear protective gloves made of the following material: Rubber or plastic.

#### Other skin and body protection

Wear apron or protective clothing in case of contact.

#### Hygiene measures

Provide eyewash station and safety shower. 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

If ventilation is inadequate, suitable respiratory protection must be worn.

### SECTION 9: Physical and chemical properties

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

Appearance	Paste.
Colour	Blue.
Odour	Slight.
pH	pH (concentrated solution): 7 @ 20 °C
Melting point	N/D°C
Initial boiling point and range	>260°C @
Flash point	> 204°C
Evaporation rate	<<1 (BuAc=1)
Vapour pressure	0.03mmHg @ °C
Vapour density	>1
Relative density	1.45 @ 20 °C°C
Solubility(ies)	Slightly soluble in water.
Auto-ignition temperature	>300°C

#### 9.2. Other information

Other information Not available.

### SECTION 10: Stability and reactivity

## REPAIR COMPOUND RESIN

### 10.1. Reactivity

**Reactivity** Acids. Amines. Strong oxidising agents.

### 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** Will not polymerise.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time. Avoid exposure to high temperatures or direct sunlight.

### 10.5. Incompatible materials

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

### 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. Vapours/gases/fumes of: Acids - organic. Aldehydes.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - dermal

**ATE dermal (mg/kg)** 1,100.0

**Inhalation** No significant hazard at normal ambient temperatures. Heating may generate the following products: Irritating gases or vapours.

**Ingestion** May cause discomfort if swallowed. May cause stomach pain or vomiting.

**Skin contact** Irritating to skin. Prolonged and frequent contact may cause redness and irritation. May cause sensitisation by skin contact. May cause sensitisation or allergic reactions in sensitive individuals.

**Eye contact** Irritating to eyes. A single exposure may cause the following adverse effects: Corneal damage.

**Acute and chronic health hazards** The product contains an epoxy resin. May cause sensitisation or allergic reactions in sensitive individuals.

**Route of exposure** Inhalation Ingestion. Skin absorption

### Toxicological information on ingredients.

### QUARTZ

#### Carcinogenicity

**IARC carcinogenicity** IARC Group 1 Carcinogenic to humans.

## SECTION 12: Ecological information

**Ecotoxicity** Avoid release to the environment. The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

### 12.1. Toxicity

## REPAIR COMPOUND RESIN

**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** 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

### 14.1. UN number

**UN No. (ADR/RID)** 3077

**UN No. (IMDG)** 3077

**UN No. (ICAO)** 3077

**UN No. (ADN)** 3077

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ))

**Proper shipping name (IMDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ))

**Proper shipping name (ICAO)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ))

**Proper shipping name (ADN)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ))

### 14.3. Transport hazard class(es)

**ADR/RID class** 9

**ADR/RID classification code** M7

**ADR/RID label** 9

## REPAIR COMPOUND RESIN

IMDG class	9
ICAO class/division	9
ADN class	9

### Transport labels



### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

EmS	F-A, S-F
ADR transport category	3
Emergency Action Code	2Z
Hazard Identification Number (ADR/RID)	90
Tunnel restriction code	(-)

### 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

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

Revision date	22/03/2021
Revision	11
Supersedes date	12/12/2018



## REPAIR COMPOUND RESIN

### **Hazard statements in full**

H312 Harmful in contact with skin.

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.