

# **ITW** Performance Polymers

## SAFETY DATA SHEET Chockfast Orange Resin

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

#### 1.1. Product identifier

Product name	Chockfast Orange Resin
Product number	1011R, 1010U resin, 1020U resin
REACH registration notes	CAS 25068-38-6: 01-2119456619-26-XXXX

#### 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	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317
Environmental hazards	Aquatic Chronic 2 - H411

**Human health** The product contains a sensitising substance. May cause sensitisation or allergic reactions in sensitive individuals.

**Environmental** The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

#### 2.2. Label elements

##### Hazard pictograms



**Signal word** Warning

## Chockfast Orange Resin

<b>Hazard statements</b>	H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects.
<b>Precautionary statements</b>	P273 Avoid release to the environment. 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. P501 Dispose of contents/ container in accordance with national regulations.
<b>Contains</b>	bis[4-(2,3-EPOXYPROPOXY)PHENYL]PROPANE, REACTION PRODUCT: BISPHENOL F-(EPICHLORHYDRIN);EPOXY RESIN
<b>Supplementary precautionary statements</b>	P261 Avoid breathing vapour/ spray. P264 Wash contaminated skin thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P321 Specific treatment (see medical advice on this label). P332+P313 If skin irritation 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.

### 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-EPOXYPROPOXY)PHENYL]PROPANE</b> <b>30-60%</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>Quartz (&lt;10µm)</b> <b>30-60%</b>		
CAS number: 14808-60-7	EC number: 238-878-4	
<b>Classification</b> STOT RE 2 - H373		

## Chockfast Orange Resin

<b>REACTION PRODUCT: BISPHENOL F-(EPICHLORHYDRIN);EPOXY RESIN</b> <span style="float: right;"><b>1-5%</b></span> CAS number: 28064-14-4
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411
<b>FIBROUS GLASS</b> <span style="float: right;"><b>1-5%</b></span> CAS number: 65997-17-3
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335

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 eyes. Consult a physician for specific advice.
<b>Inhalation</b>	Remove affected person from source of contamination. If throat irritation or coughing persists, proceed as follows. Get medical attention. Show this Safety Data Sheet to the medical personnel.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Keep affected person under observation. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and 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 if any discomfort continues.

#### 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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## Chockfast Orange Resin

### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses.

**Special protective equipment for firefighters** Wear chemical protective suit. Use air-supplied respirator, gloves and protective goggles.

## 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. Avoid spilling. 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** 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. Absorb spillage with non-combustible, absorbent material.

### 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** Wear protective clothing as described in Section 8 of this safety data sheet. Do not eat, drink or smoke when using the product. 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. Provide adequate ventilation.

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

**Storage precautions** Store in tightly-closed, original container in a well-ventilated place. 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

#### Quartz (<10µm)

Long-term exposure limit (8-hour TWA): WEL 0.1 mg/m<sup>3</sup> UK

Long-term exposure limit (8-hour TWA): WEL 0.1 mg/m<sup>3</sup> IRE

WEL = Workplace Exposure Limit

**Ingredient comments** WEL = Workplace Exposure Limits

### 8.2. Exposure controls

## Chockfast Orange Resin

### Protective equipment



### Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

### 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

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. 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. Gloves made from the following material may provide suitable chemical protection: Butyl rubber. Nitrile rubber. Neoprene. Polyvinyl chloride (PVC).

### Other skin and body protection

Wear apron or protective clothing in case of contact.

### Hygiene measures

Provide eyewash station and safety shower. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

### 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: 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	Viscous liquid.
Colour	Orange.
Odour	No characteristic odour.
pH	pH (concentrated solution): 7
Flash point	254°C Closed cup.
Vapour pressure	0.03 mm Hg @ °C
Relative density	1.6 @ 20°C
Auto-ignition temperature	300°C

### 9.2. Other information

Other information	Not available.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	Acids. Amines. Strong oxidising agents.
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### 10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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## Chockfast Orange Resin

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not available.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time.

### 10.5. Incompatible materials

**Materials to avoid** 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.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Skin contact** Irritating to skin. May cause sensitisation by skin contact. May cause sensitisation or allergic reactions in sensitive individuals.

**Eye contact** Irritating to eyes.

**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.

## SECTION 12: Ecological information

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

### 12.1. Toxicity

**Toxicity** Very toxic to aquatic organisms.

### Ecological information on ingredients.

#### REACTION PRODUCT: BISPHENOL F-(EPICHLORHYDRIN);EPOXY RESIN

##### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 1-10 mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 1-10 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** IC<sub>50</sub>, 72 hours: 1-10 mg/l, Algae

### 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.

### Ecological information on ingredients.

## Chockfast Orange Resin

### REACTION PRODUCT: BISPHENOL F-(EPICHLORHYDRIN);EPOXY RESIN

Partition coefficient                      log Pow: 3-5

#### 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**                      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.

**Waste class**                                      08 04 09\*

### **SECTION 14: Transport information**

**Road transport notes**                      Refer to the Dangerous Goods List for information on any Special Provisions 375.

**Rail transport notes**                              Refer to the Dangerous Goods List for information on any Special Provisions 375.

**Sea transport notes**                              Refer to the Dangerous Goods List for information on any Special Provisions IMDG 2.10.2.7.

**Air transport notes**                              Refer to the Dangerous Goods List for information on any Special Provisions 375.

#### 14.1. UN number

**UN No. (ADR/RID)**                              3082

**UN No. (IMDG)**                                      3082

**UN No. (ICAO)**                                      3082

**UN No. (ADN)**                                      3082

#### 14.2. UN proper shipping name

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

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

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

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

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

**ADR/RID class**                                      9

**ADR/RID classification code**      M6

## Chockfast Orange Resin

ADR/RID label	9
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	•3Z
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 comments	Revised formulation.
Revision date	11/09/2019
Revision	14
Supersedes date	17/05/2019



## Chockfast Orange Resin

### Hazard statements in full

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

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.