

# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/7


## Flowcoat Coloured Resin

Revision 0  
Revision date 2015-06-02

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

<b>1.1. Product identifier</b>	
Product name	Flowcoat Coloured Resin
<b>1.2. Relevant identified uses of the substance or mixture and uses advised against</b>	
Description	Restricted to professional users. Component Of A Two Pack Epoxy Flooring Coating.
<b>1.3. Details of the supplier of the safety data sheet</b>	
Company	Virtus Resins
Address	The Shippon, Faenol Pentrecelyn Ruthin LL15 2SP
Web	www.epoxyresinsuppliers.co.uk
Telephone	+44 (0)1978 790 744
Fax	
Email	info@epoxyresinsuppliers.co.uk
Email address of the competent person	info@ epoxyresinsuppliers.co.uk
<b>1.4. Emergency telephone number</b>	
Emergency telephone number	+44 (0)1978 790 744
	8.30am to 5.00pm Mon - Fri

### SECTION 2: Hazards identification

<b>2.1. Classification of the substance or mixture</b>	
2.1.1. Classification - 1999/45/EC	Xi; R36/38-43 N; R51/53 Symbols: Xi: Irritant. N: Dangerous for the environment.
Main hazards	Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
2.1.2. Classification - EC 1272/2008	Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; Aquatic Chronic 2: H411;
<b>2.2. Label elements</b>	
Hazard pictograms	
Signal Word	Warning
Hazard Statement	Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Irrit. 2: H319 - Causes serious eye irritation.

## Flowcoat Coloured Resin

Revision 0

Revision date 2015-06-02

## 2.2. Label elements

Precautionary Statement: Prevention	Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	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. P321 - Specific treatment (see 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. P391 - Collect spillage.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to

## 2.3. Other hazards

Other hazards	No data available.
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## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## 67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Bisphenol A-(epichlorhydrin) (reaction product)	603-074-00-8	25068-38-6	500-033-5		40 - 50%	Xi; R36/38 R43 N; R51/53	
C13/C15-Alkylglycidylether		68081-84-5268-358-2			1 - 10%		
Butyl Glycol (2-Butoxyethanol)		111-76-2	203-905-0		0.5 - 1%	Xn; R20/21/22 Xi; R36/38	

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Bisphenol A-(epichlorhydrin) (reaction product)	603-074-00-8	25068-38-6	500-033-5		40 - 50%	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411;	
C13/C15-Alkylglycidylether		68081-84-5268-358-2			1 - 10%		
Butyl Glycol (2-Butoxyethanol)		111-76-2	203-905-0		0.5 - 1%	Acute Tox. 4: H302; Acute Tox. 4: H312; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Acute Tox. 4: H332;	

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Flush immediately eye thoroughly with clean water. Consult a physician immediately if irritation persists.
Skin contact	Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists after washing.
Ingestion	DO NOT induce the patient to vomit, medical advice is required.

## 4.2. Most important symptoms and effects, both acute and delayed

Eye contact	Irritating to eyes.
Skin contact	Irritating to skin.
Ingestion	DO NOT INDUCE VOMITING.

# Flowcoat Coloured Resin

Revision 0  
Revision date 2015-06-02

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

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Seek medical attention if irritation or symptoms persist.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

	Carbon dioxide (CO <sub>2</sub> ). Foam. Water spray, fog or mist.
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### 5.2. Special hazards arising from the substance or mixture

	Fire will produce dense black smoke.
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### 5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary. Protective equipment.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

	Isolate area. Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment.
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### 6.2. Environmental precautions

	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.
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### 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material.
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### 6.4. Reference to other sections

	Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

	Avoid prolonged skin contact. After contact with skin, wash immediately with plenty of water and soap.
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### 7.2. Conditions for safe storage, including any incompatibilities

	Store in original container.
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### 7.3. Specific end use(s)

	The identified uses for this product are detailed in Section 1.2.
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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

	Are listed on the following items according to where it is going to be used.
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#### 8.1.1. Exposure Limit Values

Butyl Glycol (2-Butoxyethanol)	WEL 8-hr limit ppm: 25	WEL 8-hr limit mg/m <sup>3</sup> : 123
	WEL 15 min limit ppm: 50	WEL 15 min limit mg/m <sup>3</sup> : 101.2
	WEL 8-hr limit mg/m <sup>3</sup> total - inhalable dust:	WEL 15 min limit mg/m <sup>3</sup> total - inhalable dust:
	WEL 8-hr limit mg/m <sup>3</sup> total - respirable dust:	WEL 15 min limit mg/m <sup>3</sup> total - respirable dust:

### 8.2. Exposure controls

## Flowcoat Coloured Resin

Revision 0

Revision date 2015-06-02

## 8.2. Exposure controls



8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

Eye / face protection

Safety glasses with side-shields.

Skin protection - Handprotection

Wear suitable gloves.

Skin protection - Other

Wear suitable protective clothing.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Various
Odour	Mild
Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing Point	No data available
Initial boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	No data available

## 9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	Not applicable.
Lead content	Not applicable.
VOC (Volatile organic compounds)	< 140

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

No data available.

## 10.2. Chemical stability

This product is stable if stored and handled as prescribed/indicated.

## 10.3. Possibility of hazardous reactions

# Flowcoat Coloured Resin

Revision 0

Revision date 2015-06-02

## 10.3. Possibility of hazardous reactions

	No data is available on this product.
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## 10.4. Conditions to avoid

	Avoid temperatures above 300oC. Potentially violent decomposition can occur above 350oC. Generation of gas during decomposition can cause pressure in closed systems. Pressure build-up can be rapid.
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## 10.5. Incompatible materials

	Acids. Bases. Oxidising agents.
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## 10.6. Hazardous decomposition products

	No data is available on this product.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	No data is available on this product.
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Skin corrosion/irritation	No data is available on this product.
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Serious eye damage/irritation	No data is available on this product.
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Respiratory or skin sensitisation	No data is available on this product.
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Germ cell mutagenicity	No data is available on this product.
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Carcinogenicity	No data is available on this product.
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Reproductive toxicity	No data is available on this product.
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#### 11.1.4. Toxicological Information

	No data available
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## SECTION 12: Ecological information

### 12.1. Toxicity

	No data available
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### 12.2. Persistence and degradability

	No data is available on this product.
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### 12.3. Bio accumulative potential

	No data is available on this product.
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### Partition coefficient

	Flowcoat Coloured Resin No data available
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### 12.4. Mobility in soil

	No data is available on this product.
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### 12.5. Results of PBT and vPvB assessment

	No data is available on this product.
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### 12.6. Other adverse effects

	No data is available on this product.
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

	This product, when being disposed of in its unused and uncontaminated state should be treated as a hazardous waste according to EC Directive 91/869/EEC. Any disposal practices must be in compliance with all national and provincial laws and any municipal or local by-laws governing hazardous waste. For used, contaminated and residue materials additional evaluations may be required. Do not dump into any sewers, on the ground, or into any body of water.
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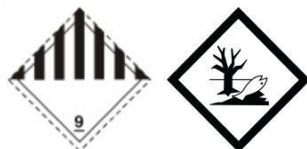
## Flowcoat Coloured Resin

Revision 0

Revision date 2015-06-02

**SECTION 14: Transport information**

## Hazard pictograms



## 14.1. UN number

UN3082

## 14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((Epoxy Resin))

## 14.3. Transport hazard class(es)

## ADR/RID

9

## Subsidiary risk

-

## IMDG

9

## Subsidiary risk

-

## IATA

9

## Subsidiary risk

-

## 14.4. Packing group

## Packing group

III

## 14.5. Environmental hazards

## Environmental hazards

Yes

## Marine pollutant

Yes

## 14.6. Special precautions for user

Use in conjunction with Manufacturers recommended guidelines.

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available.

## ADR/RID

## Hazard ID

90

## Tunnel Category

(E)

## IMDG

## EmS Code

F-A S-F

## IATA

## Packing Instruction (Cargo)

964

## Maximum quantity

450 L

Packing Instruction  
(Passenger)

964

## Maximum quantity

450 L

**SECTION 15: Regulatory information**

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

"COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC".

"REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

## Flowcoat Coloured Resin

Revision 0

Revision date 2015-06-02

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

of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC".

## 15.2. Chemical safety assessment

For advice on essential measures see sections 7 and 8 of this safety data sheet.

## SECTION 16: Other information

## Other information

## Text of risk phrases in Section 3

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.  
 R36/38 - Irritating to eyes and skin.  
 R43 - May cause sensitisation by skin contact.  
 R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## Text of Hazard Statements in Section 3

Skin Irrit. 2: H315 - Causes skin irritation.  
 Skin Sens. 1: H317 - May cause an allergic skin reaction.  
 Eye Irrit. 2: H319 - Causes serious eye irritation.  
 Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.  
 Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled

## Product Subcategory

Two-pack reactive performance coatings for specific end use such as floors - 140 g/l.

## Maximum content of VOC

140.

## General information

This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy.

## Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.