

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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Flowcoat V Coloured Resin

Revision 1
Revision date 2017-01-25

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

1.1. Product identifier

Product name	Flowcoat V Coloured Resin
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Description	Restricted to professional users. Component of a Two Pack Epoxy Wall Coating.
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1.3. Details of the supplier of the safety data sheet

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

1.4. Emergency telephone number


Emergency telephone number	+44 (0)1978 790744 9.00am to 5.00pm Mon - Fri
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	Xi; R41 Symbols: Xi: Irritant.
Main hazards	Risk of serious damage to eyes.
2.1.2. Classification - EC 1272/2008	Eye Dam. 1: H318;

2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Eye Dam. 1: H318 - Causes serious eye damage.
Precautionary Statement: Prevention	P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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2.2. Label elements

Precautionary Statement: Response	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 -Immediately call a POISON CENTER/doctor/ .
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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.
Polyamine - Epoxy Resin Adduct		238080-05-2			10 - 20%	Xn; R22 Xi; R41	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Polyamine - Epoxy Resin Adduct		238080-05-2			10 - 20%	Acute Tox. 4: H302; Eye Dam. 1: H318;	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing.
Eye contact	Rinse immediately with plenty of water also under the eyelids for at least 20 minutes. Remove contact lenses.
Skin contact	Wash off immediately with plenty of water for at least 20 minutes. Take off contaminated clothing and shoes immediately. Remove contaminated clothing. Drench affected area with water for at least 15 minutes.
Ingestion	Prevent aspiration of vomit. Turn victim's head to the side.

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

Inhalation	No data is available on this product.
Eye contact	No data is available on this product.
Skin contact	No data is available on this product.
Ingestion	No data is available on this product.

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

Inhalation	No data is available on this product.
Eye contact	No data is available on this product.
Skin contact	No data is available on this product.
Ingestion	No data is available on this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Alcohol-resistant foam, Carbon dioxide (CO2), Dry chemical, Dry sand, Limestone powder.
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5.2. Special hazards arising from the substance or mixture

	May generate ammonia gas. May generate toxic nitrogen oxide gases. Use of water may result in the formation of very toxic aqueous solutions. Do not allow run-off from firefighting to enter drains or water courses. Incomplete combustion may form carbon monoxide. Downwind personnel must be evacuated. Burning produces noxious and toxic fumes.
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5.3. Advice for firefighters

	Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.
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SECTION 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

	Wear suitable protective clothing, gloves and eye/face protection. Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel top safe areas.
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6.2. Environmental precautions

	Construct a dike to prevent spreading. Try to prevent the material from entering drains or water courses. Do not flush into surface water or sanitary sewer system. Construct a dike to prevent spreading.
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6.3. Methods and material for containment and cleaning up

	Collect run-off water and transfer to drums or tanks for later disposal. Full face shield with goggles underneath. Approach suspected leak areas with caution.
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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

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

	
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid	
Colour	Various	
Odour	Ammoniacal	
Explosive properties		No data available
Oxidising properties		No data available
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	
Solubility	No data available	

9.2. Other information

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9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	< 140

SECTION 10: Stability and reactivity

10.1. Reactivity

Refer to possibility of hazardous reactions and/or incompatible materials sections.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No data is available on this product.

10.4. Conditions to avoid

No data is available on this product.

10.5. Incompatible materials

Product slowly corrodes copper, aluminium, zinc and galvanized surfaces.
 Mineral acids
 Incompatible with bases.
 Reaction with peroxides may result in violet decomposition of peroxide possibly creating and explosion.
 Organic acids (i.e. acetic acids, citric acid etc).
 Sodium hypochlorite
 Amines
 Reducing agents
 Oxidizing agents.

10.6. Hazardous decomposition products

Nitric acid
 Ammonia
 Nitrogen oxides (NOx)
 Nitrogen oxide can react with water vapors to form corrosive nitric acid
 Carbon monoxide
 Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

11.1.4. Toxicological Information

No data available

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SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

No data is available on this product.

12.3. Bioaccumulative potential

Partition coefficient

Flowcoat V Coloured Resin No data available

12.4. Mobility in soil

No data is available on this product.

12.5. Results of PBT and vPvB assessment

No data is available on this product.

12.6. Other adverse effects

No data is available on this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from this product may present long term environmental hazards, thus landfill disposal must be considered less acceptable than incineration.

SECTION 14: Transport information

14.1. UN number

The product is not classified as dangerous for carriage.

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

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

The product is not classified as dangerous for carriage.

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".

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

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

Revision	This document differs from the previous version in the following areas: 2 - 2.1. Classification of the substance or mixture. 2 - 2.1.2. Classification - EC 1272/2008. 2 - Hazard pictograms. 2 - Signal Word. 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response. 2 - Precautionary Statement: Disposal. 12 - 12.1. Toxicity. 15 - Labelling. 15 - Risk phrases. 15 - Safety phrases.
Text of risk phrases in Section 3	R22 - Harmful if swallowed. R41 - Risk of serious damage to eyes.
Text of Hazard Statements in Section 3	Acute Tox. 4: H302 - Harmful if swallowed. Eye Dam. 1: H318 - Causes serious eye damage.
Product Subcategory	Two-pack reactive performance coatings for specific end use such as floors - 500 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.