

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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Flowdur HF Aggregate

Revision 3
Revision date 2015-06-11

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

1.1. Product identifier

Product name	Flowdur HF Aggregate
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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 Three Pack Polyurethane Floor Screed.
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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 790 744 8.30am 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	Xn; R48/20 Symbols: Xn: Harmful.
Main hazards	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
2.1.2. Classification - EC 1272/2008	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT RE 1: H372;

2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure .

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2.2. Label elements

Precautionary Statement: Prevention	P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. 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. P314 - Get medical advice/attention if you feel unwell. P321 - Specific treatment (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention.
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.
Silica Sand		14808-60-7			50 - 60%	Xn; R48/20	
Cement (Portland cement)		65997-15-1	266-043-4		10 - 20%	Xi; R36/37/38	
Calcium Hydroxide		1305-62-0			1-10%		

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Silica Sand		14808-60-7			50 - 60%	STOT RE 1: H372;	
Cement (Portland cement)		65997-15-1	266-043-4		10 - 20%	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove person to fresh air and support breathing as needed. Inhalation of large amounts of cement requires immediate medical attention. Consult a physician immediately.
Eye contact	Flush immediately eye thoroughly with clean water. Consult a physician immediately if irritation persists.
Skin contact	Wash affected areas with neutral soap and clean cool water or at least 15 minutes. For reduced or blistered skin, consult a physician immediately.
Ingestion	Rinse out mouth, drink water, cause no vomiting and consult a physician.

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

Inhalation	May cause irritation to respiratory system.
Eye contact	Irritating to eyes.
Skin contact	Causes burns.
Ingestion	Harmful by inhalation and if swallowed.

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.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Not relevant as product is incombustible.

5.2. Special hazards arising from the substance or mixture

No data is available on this product.

5.3. Advice for firefighters

No data is available on this product.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing, gloves and eye/face protection.

6.2. Environmental precautions

Avoid uncontrolled entry into the sewage system or into the outfall drain, especially after uncontrolled water addition.

6.3. Methods and material for containment and cleaning up

Pick up mechanically (dry).

6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid dust development, Avoid skin and eye contact. During working avoid skin contact through use of appropriate protective clothing.

Bagged aggregate is heavy and poses risk of injury during carrying. Handle with care. Use Personal Protective Equipment (PPE).

7.2. Conditions for safe storage, including any incompatibilities

Protect from moisture in closed rooms and containers.

7.3. Specific end use(s)

Wear suitable protective clothing.

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.

8.1.1. Exposure Limit Values

Calcium Hydroxide	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 5
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:
Cement (Portland cement)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: -
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
	WEL 8-hr limit mg/m3 total 10 inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total 4 respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:


8.2. Exposure controls

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8.2. Exposure controls

	
Eye / face protection	Wear eye/face protection.
Skin protection - Hand protection	Chemical resistant gloves.
Skin protection - Other	Wear suitable protective clothing.
Respiratory protection	Provide local exhaust or general ventilation system to control dust levels below the 8hrTWA level. Avoid creating airborne dust conditions. Local exhaust ventilation is preferred since it prevents the release of contaminants in to the work area by controlling it at the source. If local or general ventilation is not adequate to control dust levels below exposure limits, use OES approved respirators.
Thermal hazards	No data is available on this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Powder
Colour	Colourless
Odour	Odourless
pH	No data available
Melting point	Not applicable.
Freezing Point	No data available
Initial boiling point	No data available
Flash point	No data available
Evaporation rate	Not applicable.
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	Not relevant
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)	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

	No data is available on this product.
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10.2. Chemical stability

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10.2. Chemical stability

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

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

Acids.

10.6. Hazardous decomposition products

No data is available on this product.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity No data is available on this product.

Skin corrosion/irritation Not relevant.

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

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

No data is available on this product.

Partition coefficient

Flowdur HF Aggregate 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

Completely empty the packaging and process it according to local legislation.

SECTION 14: Transport information

14.6. Special precautions for user

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14.6. Special precautions for user

	The product is not classified as dangerous for carriage.
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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.
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ADR/RID

	The product is not classified as dangerous for carriage.
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IMDG

	The product is not classified as dangerous for carriage.
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IATA

	The product is not classified as dangerous for carriage.
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SECTION 15: Regulatory information

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

	<p>"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".</p>
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	<p>"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".</p>
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SECTION 16: Other information

Other information

Revision

	<p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> 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. 15 - Labelling. 15 - Risk phrases.
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Text of risk phrases in Section 3

	<p>R36/37/38 - Irritating to eyes, respiratory system and skin. R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.</p>
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Text of Hazard Statements in Section 3

	<p>STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure . Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation.</p>
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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.
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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
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Further information

	combination with any other materials or in any other process.
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