



SAFETY DATA SHEET


According to Regulation (EU) 2015/830

Monolite

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

1.1 Product identifier	
Product Name	Monolite
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Description	Cementitious repair mortar
1.3 Details of the supplier of the safety data sheet	
Company Address Web Telephone Email Email address of the competent person	Flexcrete Technologies Ltd Tomlinson Road Leyland Lancashire, United Kingdom PR25 2DY www.flexcrete.com +44(0)845 260 7005 info@flexcrete.com sds@flexcrete.com
1.4 Emergency telephone number	
Emergency telephone number	+44(0)845 260 7005 9.00am – 5.00pm (GMT) Mon-Fri

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture	
2.1.1 Classification-1999/45/EC	Xi; R37/38-41-43 Symbols: Xi: Irritant.
Main Hazards	Irritating to respiratory system and skin. Risk of serious damage to eyes. May cause sensitisation by skin contact.
2.1.2. Classification – EC 1272/2008	Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 1: H318; STOT SE 3: H335;
2.2 Label elements	
Hazard pictograms	
Signal Word	Danger
Hazard Statement	Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Dam. 1: H318 - Causes serious eye damage. STOT SE 3: H335 - May cause respiratory irritation.
Precautionary Statement: Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P302+P352 - IF ON SKIN: Wash with plenty of water. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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	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.
2.3 Other hazards	
Other hazards	No data available.

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
Calcium aluminate sulfate		12005-25-3			1 - 10%	Xi; R43 R66	
Quartz Sand		14808-60-7	238-878-4		30 - 40%		
Portland Cement Clinker (Portland cement)		65997-15-1	266-043-4		20 - 30%	Xi; R37/38-41-43	
Calcium oxide		1305-78-8			0 - 0.5%	Xi; R37/38-41	
Silica Fume		69012-64-2	273-761-1		1 - 10%		
Sodium nitrite	007-010-00-4	7632-00-0	231-555-9	01-2119471836-27	0 - 0.5%	O; R8 T; R25 N; R50	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	Reach Registration number	Conc.(%/w/w)	Classification	M-Factor
Calcium aluminate sulfate		12005-25-3			1 - 10%	Skin Sens.1: H317;	
Quartz Sand		14808-60-7	238-878-4		30 - 40%		
Portland Cement Clinker (Portland cement)		65997-15-1	266-043-4		20 - 30%	Skin Irrit. 2: H315; Skin Sens.1: H317; Eye Dam. 1: H318; STOT SE 3: H335;	
Silica Fume		69012-64-2	273-761-1		1 - 10%		
Hydrated lime (Calcium hydroxide)		1305-62-0	215-137-3	01-2119475151-45	0.5 - 1%	Skin Irrit. 2: H315; Eye Dam.1: H318; STOT SE 3: H335;	
Sodium nitrite	007-010-00-4	7632-00-0	231-555-9	01-2119471836-27	0 - 0.5%	Ox. Sol. 3: H272; Acute Tox. 3: H301; Aquatic Acute 1: H400;	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Seek medical attention.
Eye Contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.
Skin Contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

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

Inhalation	May cause irritation to respiratory system.
Eye Contact	May cause irritation to eyes.
Skin Contact	May cause irritation to skin. May cause sensitisation by skin contact.
Ingestion	Ingestion may cause nausea and vomiting.

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

	If you feel unwell, seek medical advice (show the label where possible).
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SECTION 5: Firefighting measures

5.1. Extinguishing media

	This product is not flammable. Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes
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5.3. Advice for firefighters

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

6.1. Personal precautions, protective equipment and emergency procedures

	Avoid raising dust. Ensure adequate ventilation of the working area. Wear suitable protective equipment.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

	Sweep up. Avoid formation of dust. Transfer to suitable, labelled containers for disposal.
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6.4. Reference to other sections

	See SECTION 8: Exposure controls/personal protection, SECTION 13: Disposal considerations for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
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7.3. Specific end use(s)

	Various.
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Further information

	This product contains soluble chromium (VI) controlled by the addition of a reducing agent to no more than 2ppm by dry weight of cement when mixed with water, for a minimum period of 12 months from the date of manufacture shown on the packaging under the stipulated storage conditions. See Section 15 for information on regulations.
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SECTION 8: Exposure controls/personal

8.1. Control parameters

	Not applicable.
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8.1.1. Exposure Limit Values

Portland Cement Clinker (Portland cement)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total - 10 inhalable dust: WEL 8-hr limit mg/m3 total - 4 respirable dust:	WEL 8-hr limit mg/m3: WEL 15 min limit mg/m3: WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Respirable crystalline silica dust	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total - 10 inhalable dust: WEL 8-hr limit mg/m3 total - 4 respirable dust:	WEL 8-hr limit mg/m3: WEL 15 min limit mg/m3: WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Silica Fume	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 6

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	WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total -	WEL 15 min limit mg/m3: WEL 15 min limit mg/m3 total -
	inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:

8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear suitable protective clothing.
Eye / face protection	Wear suitable eye protection.
Skin protection - Handprotection	Wear suitable gloves.
Respiratory protection	Wear suitable respiratory equipment when necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Powder
Colour	Grey
Odour	Characteristic
Odour threshold	Not determined
pH	> 11
Melting point	Not applicable.
Freezing Point	Not applicable.
Initial boiling point	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not applicable.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	Not applicable.
Fat Solubility	Not determined.
Partition coefficient	Not determined.
Autoignition temperature	Not applicable.
Viscosity	Not applicable.
Explosive properties	Not applicable.
Oxidising properties	Not applicable.
Solubility	Miscible in water.

9.2. Other information

Bulk Density	0.8 - 1.1 g/cm ³
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SECTION 10: Stability and reactivity

10.1. Reactivity

	Stable under normal conditions.
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10.2. Chemical stability

	This product is not flammable.
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10.3. Possibility of hazardous reactions

	Will not decompose if stored and used as recommended.
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10.4. Conditions to avoid

	Keep away from water.
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10.5. Incompatible materials

	Avoid contact with acids, finely powdered metals, oxidising agents.
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10.6. Hazardous decomposition products	
	Burning produces obnoxious and irritating fumes.
SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
Acute toxicity	No observed adverse effect concentration.
Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	May cause irritation to eyes.
Respiratory or skin sensitisation	May cause sensitisation by skin contact.
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.
STOT-single exposure	No data is available on this product.
STOT-repeated exposure	No data is available on this product.
Aspiration hazard	No data is available on this product.
Repeated or prolonged exposure	May cause irritation to skin, eyes and mucous membranes. Contains chromium (VI). May produce an allergic reaction.
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 available.												
12.3. Bioaccumulative potential													
	No data available.												
Partition coefficient													
	<table border="0"> <tr> <td>Monolite</td> <td>Not applicable</td> <td>Calcium aluminate sulfate</td> <td>No data available</td> </tr> <tr> <td>Quartz Sand</td> <td>Not applicable.</td> <td>Portland Cement Clinker</td> <td>No data available.</td> </tr> <tr> <td>Silica Fume</td> <td>No data available</td> <td></td> <td></td> </tr> </table>	Monolite	Not applicable	Calcium aluminate sulfate	No data available	Quartz Sand	Not applicable.	Portland Cement Clinker	No data available.	Silica Fume	No data available		
Monolite	Not applicable	Calcium aluminate sulfate	No data available										
Quartz Sand	Not applicable.	Portland Cement Clinker	No data available.										
Silica Fume	No data available												
12.4. Mobility in soil													
	No data available.												
12.5. Results of PBT and vPvB assessment													
	No data available.												
12.6. Other adverse effects													
	No data available.												

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
	Dispose of in compliance with all local and national regulations. Contact a licensed waste disposal company. Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

SECTION 14: Transport information	
14.1. UN Number	
	The product is not classified as dangerous for carriage.

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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.
Further Information	
	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	
Regulations	<p>COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).</p> <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>
15.2. Chemical safety assessment	
	Not required.

SECTION 16: Other information

Other information	
Revision	<p>This document differs from the previous version in the following areas:.</p> <p>1 - Description.</p> <p>2 - Hazard pictograms</p>
Text of risk phrases in Section 3	<p>R8 - Contact with combustible material may cause fire</p> <p>R25 - Toxic if swallowed</p> <p>R37/38 - Irritating to respiratory system and skin.</p> <p>R41 - Risk of serious damage to eyes.</p> <p>R43 - May cause sensitisation by skin contact.</p> <p>R50 - Very toxic to aquatic organisms</p> <p>R66 - Repeated exposure may cause skin dryness or cracking</p>
Text of Hazard Statements in Section 3	<p>Skin Irrit. 2: H315 - Causes skin irritation.</p> <p>Skin Sens. 1: H317 - May cause an allergic skin reaction.</p> <p>Eye Dam. 1: H318 - Causes serious eye damage.</p> <p>STOT SE 3: H335 - May cause respiratory irritation.</p> <p>Ox. Sol. 3: H272 - May intensify fire; oxidiser.</p> <p>Acute Tox. 3: H301 - Toxic if swallowed.</p> <p>Aquatic Acute 1: H400 - Very toxic to aquatic life</p>

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.