SAFETY DATA SHEET

1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Name: **RENDEROC LA**

Application: Non-shrink micro concrete.

Company: **Fosroc Limited**

Address: Coleshill Road, Tamworth, Staffordshire. B78 3TL

Telephone: 01827 262222 (Out of Hours) 01827 265279 Fax: 01827 262444

2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition: portland cements, silica sands, inorganic fillers, additives, limestone aggregate

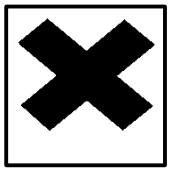
Hazardous Ingredient(s)	Symbol	Risk Phrases	Other Information	%
Cement (OPC)	Xi	R36/37/38	Cas No: 65997-15-1	>10 <25

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances) or ELINCS (European List of New Chemical Substances) or are exempt.

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Irritating to eyes, respiratory system and skin



IRRITANT

4: FIRST AID MEASURES

Eyes: Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention urgently.

Skin: Wash immediately with copious quantities of water. Remove contaminated clothing immediately. Obtain medical advice if skin disorders develop.

Inhalation: Remove from exposure, rest and keep warm and obtain medical attention urgently.

Ingestion: Wash out mouth with water. Do NOT induce vomiting. Obtain medical attention.

5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: None, not flammable.

Special Exposure Hazards: None.

Special Protective Equipment: None.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear rubber boots in addition to the recommended protective clothing.

Environmental Precautions: Prevent entry into drains, sewers and water courses.

Decontamination Procedures: Avoid the creation of dust in atmosphere. Gather into containers. Residues may be flushed to drain with large volumes of water.

7: HANDLING AND STORAGE

Handling: Avoid creating dust. Avoid breathing dust. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid skin and eye contact.

Storage: Store in cool, dry area.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:-

Substance	8 Hour TWA	STEL	Source/Other Information
silica, amorphous:			EH 40
total inhalable dust	6 mgm^{-3}	- - - - -	
respirable dust	2.4 mgm^{-3}		
portland cement:			EH 40
total inhalable dust	10 mgm^{-3}	- - - - -	
respirable dust	4 mgm^{-3}		
limestone			EH 40
total inhalable dust	10 mgm^{-3}	----	
respirable dust	4 mgm^{-3}	----	

Engineering Control Measures: Atmospheric levels of dust must be maintained within the Occupational Exposure Limit. Where mechanical methods are inadequate or impractical, appropriate personal protective equipment must be used.

Personal Protective Equipment: Impervious gloves (eg PVC). Goggles / Safety glasses. Approved dust mask. Change contaminated clothing immediately and clean before re-use.

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Aggregated powder.

Colour: Grey.

Odour: Odourless.

pH(working dilution): >12

Boiling Point/Range (°C): Not applicable.

Melting Point/Range (°C): Not applicable

Flash Point (closed, °C): None.

Autoflammability (°C): Not determined.

Explosive Properties (%): Not known.

Relative Density (at 20°C): 1.50

Water Solubility: Insoluble.

10: STABILITY AND REACTIVITY

Stability: Stable.

Conditions to Avoid: Exposure to air. Contamination with water.

Materials to Avoid: Strong acids.

Hazardous Decomposition Products: None.

11: TOXICOLOGICAL INFORMATION

Health Effects

On Eyes: Irritating and may injure eye tissue if not removed promptly.

On Skin: Irritation. See "chronic" effects.

By Inhalation: Irritating to respiratory system. Inflammation of the nasal mucous membrane by exposure to cement dust.

By Ingestion: May cause irritation of mouth, throat and digestive tract.

Chronic: Cement, cementitious grouts and mortars are known to cause both irritant and allergic contact dermatitis. Prolonged skin contact can result in chemical burns.

12: ECOLOGICAL INFORMATION

Environmental Assessment: Little detailed information is available on the ecological effects of this product, but its overall environmental impact is not regarded as significant

Mobility: Insoluble in water.

Persistence and Degradability: Not readily biodegradable.

Bioaccumulative Potential: Not expected to be bioaccumulative.

Ecotoxicity: Not expected to be ecotoxic to fish/daphnia/algae.

13: DISPOSAL CONSIDERATIONS

Disposal must be in accordance with local and national legislation.

Unused Product: Dispose of in an approved manner.

Used/Contaminated Product: As for Unused product.

Packaging: The method of disposal must be acceptable to the local authority.

14: TRANSPORT INFORMATION

This product is NOT classified as dangerous for transport.

15: REGULATORY INFORMATION

Hazard Label Data:-

Named Ingredients: cement powders

Symbol(s): Xi

Risk Phrases: Irritating to eyes, respiratory system and skin.

Safety Phrases: Do not breathe dust
Avoid contact with skin and eyes
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
Wear suitable protective clothing, gloves and eye/face protection

EC Directives: Dangerous Substances Directive, 67/548/EEC and adaptations.
Dangerous Preparations Directive, 88/379/EEC.
Safety Data Sheets Directive, 91/155/EEC.

Statutory Instruments: Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regs. 1996 (SI 1092).
Health & Safety at Work, etc. Act 1974.
Control of Substances Hazardous to Health Regs. 1994 (SI 3246).

Codes of Practice: Waste Management. The Duty of Care.

Guidance Notes: Occupational skin diseases: health and safety precautions (EH 26).
Dust in the workplace: general principles of protection. (EH44).
Occupational exposure limits (EH 40).

The above publications are available from HMSO

16: OTHER INFORMATION

The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. The product should not be used other than for the stated application or applications without seeking advice from Fosroc Ltd.

If this product has been purchased for supply to a third party for use at work, it is the purchaser's duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

It is the responsibility and duty of the employer to inform employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken.

This sheet does not constitute or substitute for the users own assessment of workplace risk, as required by other health and safety legislation.

Further copies of this Safety Data Sheet may be obtained from Fosroc Limited.

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REVISION

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Sections updated/revised - no(s): 1 . 8.