

SAFETY DATA SHEET

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

Product Name: Fosroc XR45

Application:	Cementitious repair material.		
Company:	Fosroc Limited		
Address:	Coleshill Road, T	amworth, Staffordshire. B78 3TL	
Telephone:	01827 262222	Out of Hours: 01827 265279	Fax: 01827 262444
2: COMPOSIT	ION/INFORMATION	N ON INGREDIENTS	
Composition:	portland ceme	nts, silica sands, inorganic fillers.	

Hazardous Ingredient(s) Cement (OPC)	Symbol X	Risk Phrases R37/38, R43, R41	Other Information Cas No: 65997-15-1 Cas No: Cas No:	% >25 <50
			Cas No: Cas No:	

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

R37/38: Irritating to respiratory system and skin R43: Contains Chromium (VI): may cause allergic reaction. R41: Risk of serious damage to eyes



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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.

None.

Special Exposure Hazards:

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.

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

Handling:	Avoid creating dust. Avoid breathing dust. In case of insufficient ventilation, wear suitable respiratory				
Storage:	equipment. Avoid skin and eye contact.				
	Store in cool, dry area. E CONTROLS/PERSONAL PROTECTION				
Occupational E>			oreonon		
Substance		8 Hour TWA	STEL	Source/Other Information	
silica, amorphous:				EH 40	
total inhalable dust respirable dust		6 mgm ⁻³ 2.4 mgm ⁻³			
portland cement: total inhalable dust respirable dust		10 mgm ⁻³ 4 mgm ⁻³		EH 40	
Engineering Co	ntrol Measures:	Exposure Lir	nit. Where mechar	t be maintained within the Occupational nical methods are inadequate or impractical, equipment must be used.	
Personal Protective Equipment:		Impervious g glasses (Con Nominal Prot	appropriate personal protective equipment must be used. Impervious gloves (eg PVC). Goggles (Conforming to EN 166) / Safety glasses (Conforming to EN 166). Approved dust mask, conforming to EN 149. Nominal Protection Factor (NPF) to be determined Change contaminated clothing immediately and clean before re-use.		
9: PHYSICAL A	ND CHEMICA		-		
Physical State:		Granulated po	wder.		
Colour:		Grey.			
Odour:		Odourless.			
pH(concentrate)					
pH(working dilut		>12			
Boiling Point/Ra		Not applicable).		
Melting Point/Ra	• • •	Not applicable)		
Flash Point (clos		None.			
Autoflammability	()	Not determine	d.		
Viscosity (at 20°	,				
Explosive Prope Oxidising Prope	()	Not known.			
Vapour Pressur					
Relative Density	· /	1.20			
Water Solubility:	`	Insoluble.			
Fat Solubility:					
Partition Coeffic	ient (n-				
octanol/water):	- X -				
Other data:					
10: STABILITY	AND REACTIV	/ITY			
Stability:		Stable.			
Conditions to Av	void:	Exposure to	air. Contamination	with water.	

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:	Respirable dust, if inhaled over a prolonged period, constitute a health hazard. Inhalation of particles of free silica, in the respirable range, can give rise to fibrosis of the lungs Cement, cementitious grouts and mortars are known to cause both irritant and allergic contact dermatitis. Prolonged skin contact can result in chemical burns.
Other:	

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.		
Bioaccumula	tive Potential:	Not expected to be bioaccumula	tive.	
Ecotoxicity:		Not expected to be ecotoxic to f	ish/daphnia/algae.	
13: DISPOS	AL CONSIDERAT	IONS		
Disposal must b	pe in accordance with I	ocal 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: TRANSF	PORT INFORMATI	ON		
This product is	NOT classified as dang	perous for transport.		
UN Number:				
IMO:	Class:	Packing Group:	Marine Pollutant:	
IATA/ICAO:	Class:	Packing Group:		
ADR:	Class:	Item:		

Transport Name:

Hazchem/Kemler Code:

15: REGULATORY INFORMATION

Hazard Label Data:-

Named Ingredients:	cement powders
UN Number:	
Symbol(s):	Xi
Risk Phrases:	R37/38: Irritating to respiratory system and skin. R43: Contains Chromium (VI): may cause allergic reaction. R41: Risk of serious damage to eyes

Safety Phrases:	S22: Do not breathe dust S24/25: Avoid contact with skin and eyes
	S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S36/37/39: Wear suitable protective clothing, gloves and eye/face protection
EC Directives:	Dangerous Substances Directive, 67/548/EEC and adaptations. Dangerous Preparations Directive, 1999/45/EC. 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. 1999 (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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dated:

REVISION

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