

HYDROSEAL FX

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product Identifier Hydroseal FX Part B

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Two component cementitious coating.

1.3 Details of the supplier of the data sheet

FIS Construction Products
44 Macadam Way
West Portway
Andover
SP10 3XW

sales@fisproducts.co.uk
www.fisproducts.co.uk

Emergency telephone number
+44 (0) 800 6191619
7.00am-5:00pm Mon-Fri

2. HAZARDS IDENTIFICATION

2.1 Hazards Identification:

Classification - 67/548/EEC:
Main hazards:

Classification – EC 1272/2008:

Xi; R36/38-43 R52/53 Symbols: Xi: Irritant.
Irritating to respiratory system and skin. Risk of serious damage to eyes. May cause sensitisation by skin contact
Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H318; STOT SE: 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.
 EUH212: 'Warning! Hazardous respirable dust may be formed when sprayed. Do not breathe dust

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 soap and water.
 P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 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 or doctor/physician.
 P321 - Specific treatment (see SECTION 4: First aid measures on this label).
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
 P363 - Wash contaminated clothing before reuse.

Precautionary Statement: Storage P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

Precautionary Statement: Disposal P501 - Dispose of contents/container to local and national regulations

2.3 Other Hazards: No significant hazard.

3. COMPOSITION INFORMATION ON INGREDIENTS

3.1 Substances:

67/548/EEC / 1999/45/EC

Chemical Name	CAS No.	EC No.	REACH Registration	Conc. (%w/w)	Classification
Quartz Sand	14808-60-7	238-878-4		10 - 50%	
Dolomite	16389-88-1	240-440-2		10 - 50%	Xi; R37/38-41-43
Portland Cement Clinker	65997-15-1	266-043-4	01-2119489379-17	1 - 10%	
Titanium Dioxide	13463-67-7	236-675-5		1 - 10%	
Hydrated lime	1305-32-0	215-137-3		1 - 10%	Xi; R38-41

EC 1272/2008					
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Portland Cement	65997-15-1	266-043-4		10- 50%	EUH203; Skin Irrit.2: H315; Skin Sens.1; H317; Eye Dam. 1: H318; STOT SE 3: H335;
Titanium Dioxide	13463-67-7	236-675-5	01-2119489379-17	1 10%	Skin Irrit.2: H315; Eye Dam 1.; H318;
Hydrated lime	1305-62-0	215-137-3		1 – 10%	Skin Irrit. 2: H315; Eye Dam.1: H318;

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. 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. 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.

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).

5. FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media:**
This product is not flammable. Use extinguishing media appropriate to the surrounding fire conditions.
- 5.2 Special hazards arising from the substance or mixture:**
None.
- 5.3 Advice for firefighters:**
Wear suitable respiratory equipment when necessary.

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.
- 6.2 Environmental precautions:**
Do not allow product to enter drains. Prevent further spillage if safe.
- 6.3 Methods and material for containment and cleaning up:**
Clean the area using a vacuum cleaner. Transfer to suitable, labelled containers for disposal.
- 6.4 Reference to other sections:**
See SECTION 8: Exposure controls/personal protection, SECTION 13: Disposal considerations for further information.

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.
- 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.
- 7.3 Specific end use(s):**
Not applicable

8. EXPOSURE CONTROL AND PROTECTION MEASURES

8.1 Control Parameters

Exposure Limited Values

Quartz Sand	WEL 8-hr limit ppm:	-	WEL 8-hr mg/m3:	0.1
	WEL 15 min limit ppm:	-	WEL 15 min limit mg/m3:	-
Dolomite	WEL 8-hr limit ppm:	-	WEL 8-hr mg/m3:	4
	WEL 15 min limit ppm:	-	WEL 15 min limit mg/m3:	-

Hydrated lime	WEL 8-hr limit ppm:	-	WEL 8-hr mg/m3:	5
	WEL 15 min limit ppm:	-	WEL 15 min limit mg/m3:	-
Portland Cement Clinker	WEL 8-hr limit ppm:	-	WEL 8-hr mg/m3:	10
	WEL 15 min limit ppm:	-	WEL 15 min limit mg/m3:	-
	WEL 8-hr limit ppm:	-	WEL 8-hr mg/m3:	4
	WEL 15 min limit ppm:	-	WEL 15 min limit mg/m3:	-
Titanium Dioxide	WEL 8-hr limit ppm:	-	WEL 8-hr mg/m3:	10
	WEL 15 min limit ppm:	-	WEL 15 min limit mg/m3:	-
	WEL 8-hr limit ppm:	-	WEL 8-hr mg/m3:	4
	WEL 15 min limit ppm:	-	WEL 15 min limit mg/m3:	-

8.2 Exposure Controls

Appropriate engineering Controls	Ensure adequate ventilation of the working area.
Individual protection	Wear chemical protective clothing.
Eye/face protection	Approved safety goggles.
Skin protection:	Wear suitable gloves.
Hand protection:	Wear suitable gloves.
Respiratory protection:	Wear suitable respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic and chemical properties

State	Powder
Colour	Grey
Odour	Characteristic
Fat Solubility	Not determined
Partition coefficient	Not determined
pH	> 12
Melting point	Not applicable.
Freezing Point	Not applicable.
Boiling point	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Flammability limits	Not applicable.
Vapour Flammability	Not applicable.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	Not applicable.
Autoignition temperature	Not applicable.
Viscosity	Not applicable.
Explosive	Not applicable.
Oxidising	Not applicable.
Solubility	= Miscible in water.

9.2 Other information None applicable

10. STABILITY AND REACTIVITY

10.1	Reactivity	No data is available on this product.
10.1	Chemical stability	Stable under normal conditions.
10.2	Possibility of hazardous reactions	No Significant Hazard.
10.3	Conditions to avoid	Contact with strong acids will produce an exothermic reaction. Keep away from moisture
10.4	Incompatible materials	Strong acids.
10.5	Hazardous decomposition products	None.

11. TOXOLOGICAL INFORMATION

11.1	Information on Toxicological effects:	No data is available on this product.
11.2	Toxicological Information	
	Dolomite	Oral Rat LD50 = >= 5000mg/kg:
	Titanium Dioxide	Inhalation Rat LC50/15min: > 6.8 mg/l Oral Rat LD50: > 10000 mg/kg Dermal Rabbit LD50: > 10000mg/kg

12. ECOLOGICAL INFORMATION

12.1	Toxicity Hydrated lime	Fish LC50/96h: 100mg/l
12.2	Persistence and degradability	No data is available on this product.
12.3	Bioaccumulative potential	No data is available on this product.
12.4	Mobility in soil	No data is available on this product.
12.5	Results of PBT & vPvB assessment	No data is available on this product.
12.6	Other adverse effects	No data is available on this product.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Dispose of in compliance with all local and national regulations.
EWC. 08 02 99 waste coating powders.

Disposal of packaging. 15 01 10* packaging containing residues of or containing by dangerous substances.

14. TRANSPORT INFORMATION

ADR/RID	The product is not classified as dangerous for carriage.
IMDG	The product is not classified as dangerous for carriage.
IATA	The product is not classified as dangerous for carriage.
Further information	The product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION

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

Regulations	COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC)No1907/2006 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. 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.
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15.2 15.2. Chemical safety assessment Not required.

16. OTHER INFORMATION

16.1 Other Information:

Text of risk phrases in Section 3

R37/38 - Irritating to respiratory system and skin.

R38 - Irritating to skin.

R41 - Risk of serious damage to eyes.

R43 - May cause sensitisation by skin contact.

Text of Hazard Statements in Section 3

EUH203 - Contains chromium (VI). May produce an allergic reaction.

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.

The above information is believed to be correct but not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the product.