

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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FROSTPROOFER AND HARDENER CLP

Revision 1

Revision date 2015-05-20

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

1.1. Product identifier

Product name	FROSTPROOFER AND HARDENER CLP
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1.3. Details of the supplier of the safety data sheet

Company	SEAL IT SERVICES LTD
Address	T/A BOND IT Unit G16 Riverbank Way, Lowfields Business Park, Elland, West Yorkshire HX5 9DN
Web	www.bond-it.co.uk
Telephone	01422 315300
Fax	01422 315310
Email	sales@bond-it.co.uk

1.4. Emergency telephone number


Emergency telephone number	01422 315300 8.30AM - 5.30PM Mon-Fri
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 67/548/EEC	Xi; R41 Symbols: Xi: Irritant.
Main hazards	Risk of serious damage to eyes.
2.1.2. Classification - EC 1272/2008	Eye Dam. 1: H318;

2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Eye Dam. 1: H318 - Causes serious eye damage.
Precautionary Statement: Prevention	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	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/doctor/ .

SECTION 3: Composition/information on ingredients

3.1. Substances

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3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
calcium nitrate tetrahydrate						Xn; R22 Xi; R41	
Triethanolamine						Xi; R36/38	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
calcium nitrate tetrahydrate						Acute Tox. 4: H302; Eye Dam. 1: H318;	
Triethanolamine							

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion	DO NOT INDUCE VOMITING.

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

Inhalation	Inhalation of vapour may cause shortness of breath.
Eye contact	Causes burns. Causes severe inflammation and may damage the cornea.
Skin contact	Causes burns.
Ingestion	Ingestion causes burns to the respiratory tract.

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

Inhalation	Seek medical attention.
Eye contact	Seek medical attention.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	If swallowed, seek medical advice immediately and show this container or label.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use as appropriate: Carbon dioxide (CO2), Dry chemical, Foam.
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5.2. Special hazards arising from the substance or mixture

	Corrosive. 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

	Ensure adequate ventilation of the working area. Evacuate personnel to a safe 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

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

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7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.
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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.
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SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
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8.2.2. Individual protection measures	Wear chemical protective clothing.
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Eye / face protection	Approved safety goggles.
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Skin protection - Handprotection	Chemical resistant gloves (PVC).
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Respiratory protection	Wear: Self-contained breathing apparatus.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Blue
Odour	Characteristic
pH	< 4
Melting point	No data available
Freezing Point	No data available
Initial boiling point	No data available
Flash point	No data available
Flammability (solid, gas)	No data available
Autoignition temperature	No data available
Explosive properties	No data available
Vapour pressure	No data available
Relative density	No data available
Partition coefficient	No data available
Viscosity	No data available
Vapour density	No data available
Evaporation rate	No data available
Fat Solubility	No data available
Oxidising properties	No data available
Solubility	Soluble in water

9.2. Other information

Conductivity	No data available
Gas group	No data available
Surface tension	No data available

SECTION 10: Stability and reactivity

10.2. Chemical stability

	Stable under normal conditions.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation	Causes burns.
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11.1.4. Toxicological Information

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11.1.4. Toxicological Information

No data available

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.3. Bioaccumulative potential

Partition coefficient

**FROSTPROOFER AND
HARDENER CLP** No data available

SECTION 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations.

SECTION 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.

SECTION 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) No 1907/2006 of the European Parliament and of the Council on the Registration, 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/EEC and 2000/21/EC.

SECTION 16: Other information

Other information

Revision

This document differs from the previous version in the following areas:.
11 - 11.1.4. Toxicological Information.
12 - 12.1. Toxicity.
15 - Regulations.

Text of risk phrases in Section 3

R22 - Harmful if swallowed.
R36/38 - Irritating to eyes and skin.
R41 - Risk of serious damage to eyes.

Text of Hazard Statements in Section 3

Acute Tox. 4: H302 - Harmful if swallowed.
Eye Dam. 1: H318 - Causes serious eye damage.

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.