

SAFETY DATA SHEET

ALPHACEM CONCRETE HARDENER AND DUST PROOFER



ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830
AS AMENDED BY UK REACH REGULATIONS SI 2019/758

Date of issue: 16.03.2022
Version 1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier		
Product name	AlphaChem Concrete Hardener and Dust Proofers	
Product Code	X3CHD	
Unique Formula Identifier (UFI)	Not applicable	
Nanoform	The product does not contain nanoparticles.	
1.2 Relevant identified uses of the substance or mixture and uses advised against		
Identified Use(s)	Professional use.	
Uses advised against	No information available.	
1.3 Details of the supplier of the safety data sheet		
Company Identification	Cromar Building Products Limited Units 1,3,4,5 Northside Industrial Park, Selby Road Whitley Bridge North Yorkshire DN14 0GH United Kingdom 01977 663133 sales@cromar.uk.com	
Telephone		
E-mail (competent person)		
1.4 Emergency telephone number		
Emergency Phone No.	01977 663133	Office hours (08:30 - 17:00)
National Poisons Information Service (United Kingdom)	+44 (0) 3448 920111	24 hr. emergency phone number Healthcare Professionals ONLY Members of Public
NHS 24	111	
Languages spoken	English	

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
2.1.1 The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain	This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. A Safety Data Sheet is being supplied for this product on request as it contains a substance in an individual concentration of $\geq 1\%$ w/w classified with health or environmental hazards and not intended for the general public.
2.2 Label elements	The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain
Product name	Concrete Hardener and Dust Proofers
Contains:	Not applicable
Hazard Pictogram(s)	None assigned
Signal Word(s)	None assigned
Hazard Statement(s)	None assigned
Precautionary Statement(s)	None assigned
Supplemental information	EUH210: Safety data sheet available on request.

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2.3 Other hazards None Known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Not applicable

3.2 Mixtures

Classification: The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain

Chemical identity of the substance	%W/W	CAS No.	EC No.	UK-REACH Registration No.	Hazard classification
Sodium silicate	< 10	15859-24-2	239-981-7	Not yet assigned in the supply chain	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335

For full text of H phrases see section 16.

SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Self-protection of the first aider
Inhalation

Skin contact

Eye contact

Ingestion

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

Ensure adequate ventilation Wear suitable protective clothing and gloves.

IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.

Rinse mouth. Get medical advice/attention if you feel unwell.

None Known

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Unsuitable extinguishing media

5.2 Special hazards arising from the substance or mixture

5.3 Advice for firefighters

Extinguish with carbon dioxide, dry chemical, foam or waterspray.

Do not use water jet. Direct water jet may spread the fire.

Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions. Toxic fumes may be formed.

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.2 Environmental precautions

Caution - spillages may be slippery. Shut off leaks if without risk. Ensure adequate ventilation

Avoid release to the environment.

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- | | | |
|------------|---|--|
| 6.3 | Methods and material for containment and cleaning up | Provided it is safe to do so, isolate the source of the leak. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Wash the spillage area with water. |
| 6.4 | Reference to other sections | See Section: 8, 13 |

SECTION 7: HANDLING AND STORAGE

- | | | |
|------------|---|---|
| 7.1 | Precautions for safe handling | Ensure adequate ventilation. Avoid all contact. Do not breathe vapour. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. See Section: 8. |
| 7.2 | Conditions for safe storage, including any incompatibilities | Keep container tightly closed. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. |
| | storage temperature | Keep cool. Protect from sunlight. |
| | Incompatible materials | None Known |
| 7.3 | Specific end use(s) | See Section: 1.2. |

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- | | | |
|--------------|---|---|
| 8.1 | Control parameters | |
| 8.1.1 | Occupational exposure limits | Not established |
| 8.1.2 | Biological limit value | Not established |
| 8.1.3 | PNECs and DNELs | Not established |
| 8.2 | Exposure controls | |
| 8.2.1 | Appropriate engineering controls | Ensure adequate ventilation. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. |
| 8.2.2 | Individual protection measures, such as personal protective equipment | Keep good industrial hygiene. Wear appropriate personal protective equipment, avoid direct contact. Do not eat, drink or smoke at the work place. Keep work clothes separately. |
| | Eye/ face protection | Use eye protection according to EN 166, designed to protect against liquid splashes. |
| |  | |
| | Skin protection | Hand protection:
Not normally required |
| |  | Body protection:
Not normally required |
| | Respiratory protection | Not normally required. In case of inadequate ventilation wear respiratory protection. |
| |  | |
| | Thermal hazards | Not applicable |
| 8.2.3 | Environmental exposure controls | Avoid release to the environment. |

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	Information on basic physical and chemical properties	
	Appearance	Liquid
	Odour	Odourless
	Odour threshold	Not available
	pH	No data available
	Melting point/freezing point	0 °C - -12 °C
	Initial boiling point and boiling range	100 °C - 105 °C
	Flash point	No data available
	Evaporation rate	No data available
	Flammability (solid, gas)	Not flammable
	Upper/lower flammability or explosive limits	No data available
	Vapour pressure	No data available
	Vapour density	No data available
	Relative density	1 - 1.1
	Solubility(ies)	No data available
	Partition coefficient: n-octanol/water	No data available
	Auto-ignition temperature	No data available
	Decomposition temperature	No data available
	Viscosity	No data available
	Explosive properties	Not explosive
	Oxidising properties	No data available
9.2	Other information	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Stable under normal conditions.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	No hazardous reactions known if used for its intended purpose.
10.4	Conditions to avoid	Keep cool. Protect from sunlight.
10.5	Incompatible materials	None Known
10.6	Hazardous decomposition products	In case of fire: Toxic fumes may be formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
	Acute toxicity - Ingestion	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: Estimated LD50 (oral,rat) mg/kg: > 3.000 mg/kg bw
	Acute toxicity - Inhalation	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: Estimated LC50 g/m ³ > 2
	Acute toxicity - Skin contact	Mixture: Based upon the available data, the classification criteria are not met.
	Skin corrosion/irritation	Mixture: Based upon the available data, the classification criteria are not met.
	Serious eye damage/irritation	Mixture: Based upon the available data, the classification criteria are not met.
	Respiratory or skin sensitisation	Mixture: Based upon the available data, the classification criteria are not met.
	Germ cell mutagenicity	Mixture: Based upon the available data, the classification criteria are not met.
	Carcinogenicity	Mixture: Based upon the available data, the classification criteria are not met.
	Reproductive toxicity	Mixture: Based upon the available data, the classification criteria are not met.
	STOT - Single Exposure	Mixture: Based upon the available data, the classification criteria are not met.
	STOT - Repeated Exposure	Mixture: Based upon the available data, the classification criteria are not met.
	Aspiration hazard	Mixture: Based upon the available data, the classification criteria are not met.
11.2	Other information	None Known

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SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity		Mixture: Based upon the available data, the classification criteria are not met. Estimated LC50 (Fish) mg/L : > 1,000 EC50 (Daphnia magna) mg/L : 1,700
12.2	Persistence and degradability		Based upon the available data, the classification criteria are not met.
12.3	Bioaccumulative potential	Sodium silicate	No information available.
12.4	Mobility in soil	Sodium silicate	No information available.
12.5	Results of PBT and vPvB assessment		Based upon the available data, the classification criteria are not met.
12.6	Other adverse effects	Sodium silicate	No information available.
			Not classified as PBT or vPvB.
			None Known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods		Waste classification according to Directive 2008/98/EC (Waste Framework Directive)	This material and its container must be disposed of as hazardous waste. Dispose of wastes in an approved waste disposal facility.
13.2	Additional information			None Known

SECTION 14: TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

	ADR/RID	IMDG	IATA/ICAO
14.1	UN number	None assigned	None assigned
14.2	UN proper shipping name	None assigned	None assigned
14.3	Transport hazard class(es)	None assigned	None assigned
14.4	Packing group	None assigned	None assigned
14.5	Environmental hazards	Not classified	Not classified as a Marine Pollutant.
14.6	Special precautions for user	See Section: 2	
14.7	Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable	

SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1	EU regulations	
	Authorisations and/or restrictions on use	Not restricted
	GB regulations	Not restricted
15.1.2	National regulations	Not restricted
15.2	Chemical Safety Assessment	A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Not applicable – V1.0

References:

Existing Safety Data Sheet (SDS) for Sodium silicate (CAS No. 15859-24-2)
Existing ECHA registration(s) for Sodium silicate (CAS No. 15859-24-2)

Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830.
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Legend

ADR	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL	Derived no effect level
IATA	IATA: International Air Transport Association
ICAO	ICAO: International Civil Aviation Organization
IMDG	IMDG: International Maritime Dangerous Goods
LTEL	Long term exposure limit
PBT	PBT: Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	RID: Regulations concerning the international railway transport of dangerous goods
STEL	Short term exposure limit
vPvB	vPvB: very Persistent and very Bioaccumulative

Hazard classification / Classification code:

Skin Irrit. 2; Skin corrosion/irritation, Category 2
Eye Irrit. 2; Eye Irritation, Category 2
STOT SE 3; Specific Target Organ Toxicity — Single Exposure, Category 3

Hazard Statement(s)

H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

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Annex to the extended Safety Data Sheet (eSDS)

Exposure scenarios for substances in this preparation are not available.