

# SAFETY DATA SHEET

## ALPHACEM CONCRETE HARDENER AND DUST PROOFER



Date of issue: 16.03.2022  
Version 2.0

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

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

#### 1.1 Product Identifier

Product Name AlphaChem Concrete Hardener and Dust Proofer  
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. Public 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](mailto:sales@cromar.uk.com)  
Telephone  
E-mail (competent person)

Distributed in the EU Cromar Ireland  
133 Butterfield Park  
Rathfarnham,  
Dublin 14, D14AE22  
Ireland  
Telephone 00353 87 2528476  
E-mail [info@cromar.ie](mailto:info@cromar.ie)

#### 1.4 Emergency Telephone Number

Emergency Phone No. 01977 663133 Office hours (08:30 - 17:00)  
+353 (1) 809 2166 8.00am. - 10.00pm 7 days per week  
National Poisons Information Centre (Ireland) +353 (1) 809 2566 Members of Public  
24 hr. emergency phone number  
National Poisons Information Service (Northern Ireland) +44 (0) 3448 920111 Healthcare Professionals ONLY  
24 hr. emergency phone number  
NHS 24 111 Healthcare Professionals ONLY  
Language(s) spoken: English Members of Public

### 2. SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)

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

Product name Concrete Hardener and Dust Proofer  
Contains: Not applicable

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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.
<b>2.3 Other hazards</b>	None Known

### 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances - Not applicable

3.2 Mixtures

EC Classification Regulation (EC) No. 1272/2008 (CLP)

Chemical identity of the substance	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Statement(s)
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

Note: For full text of H phrases see section 16.

### 4. 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.

### 5. SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media  
Unsuitable extinguishing media

5.2 Special hazards arising from the substance or mixture

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. In case of fire: toxic fumes may be formed.

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- 5.3 **Advice for firefighters** 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.




### 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions, protective equipment and emergency procedures** Caution - spillages may be slippery. Shut off leaks if without risk. Ensure adequate ventilation
- 6.2 **Environmental precautions** Avoid release to the environment.
- 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

### 7. SECTION 7: HANDLING AND STORAGE

- 7.1 **Precautions for safe handling** Ensure adequate ventilation. Use personal protective equipment as required. 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 only in original container. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. Keep away from direct sunlight. Keep cool. Protect from sunlight.
- Storage temperature  
Incompatible materials  
None Known
- 7.3 **Specific end use(s)** See Section: 1.2.

### 8. 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.
- 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.

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Thermal hazards Not applicable

8.2.3 Environmental exposure controls Avoid release to the environment.

### 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Off-white
Odour	Odourless
Melting point/freezing point	0 °C - -12 °C
Boiling point or initial boiling point and boiling range	100 °C - 105 °C
Flammability	Not flammable
Lower and upper explosion limit	No data available
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
Kinematic viscosity	No data available
Solubility	No data available
Partition coefficient: n-octanol/water (log value)	No data available
Vapour pressure	No data available
Density and/or relative density	1 - 1.1
Relative vapour density	No data available
Particle characteristics	Not applicable

9.2 Other information No data available

### 10. 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.

### 11. SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on hazard classes as defined in

Regulation (EC) No 1272/2008

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<sup>3</sup> > 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.

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<b>11.2</b>	<b>Information on other hazards</b>	
11.2.1	Endocrine disrupting properties	No substances identified as having endocrine-disrupting properties.
11.2.2	Other information	None known

### 12. SECTION 12: ECOLOGICAL INFORMATION

12.1	<b>Toxicity</b>	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	<b>Persistence and degradability</b>	Based upon the available data, the classification criteria are not met.
	Sodium silicate	Not applicable for inorganic substances.
12.3	<b>Bioaccumulative potential</b>	Based upon the available data, the classification criteria are not met.
	Sodium silicate	No information available.
12.4	<b>Mobility in soil</b>	Based upon the available data, the classification criteria are not met.
	Sodium silicate	No information available.
12.5	<b>Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
12.6	<b>Endocrine disrupting properties</b>	No substances identified as having endocrine-disrupting properties.
12.7	<b>Other adverse effects</b>	None known

### 13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	<b>Waste treatment methods</b>	
	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. Dispose of contents in accordance with local, state or national legislation.

### 14. SECTION 14: TRANSPORT INFORMATION

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

	<b>ADR/RID</b>	<b>ADN</b>	<b>IMDG</b>	<b>IATA/ICAO</b>
14.1	<b>UN number or ID number</b>	None assigned	None assigned	None assigned
14.2	<b>UN proper shipping name</b>	None assigned	None assigned	None assigned
14.3	<b>Transport hazard class(es)</b>	None assigned	None assigned	None assigned
14.4	<b>Packing group</b>	None assigned	None assigned	None assigned
14.5	<b>Environmental hazards</b>	Not classified	Not classified	Not classified as a Marine Pollutant.
14.6	<b>Special precautions for user</b>	See Section: 2		
14.7	<b>Maritime transport in bulk according to IMO instruments</b>	Not applicable		
14.8	<b>Additional information</b>	None		

### 15. SECTION 15: REGULATORY INFORMATION

15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
15.1.1	<b>EU regulations</b>	
	Authorisations and/or restrictions on use	Not restricted
	Substance(s) of Very High Concern (SVHCs)	This product does not contain any known "substances of very high concern" (SVHC's)
	To follow:	Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.
15.1.2	<b>National regulations</b>	Not restricted
15.2	<b>Chemical Safety Assessment</b>	REACH chemical safety assessment has not been carried out.

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### 16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: New SDS Regulation 2020/878 format, all sections have been updated to include new information. Please review SDS with care. Updated substance / mixture classification

#### 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)

EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

#### Legend

ADR	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	ADN: European Agreement on the International Transport of Dangerous Goods by Inland Waterways
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.

#### Disclaimers

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#### Annex to the extended Safety Data Sheet (eSDS)

Exposure scenarios for substances in this preparation are not available.