

# SAFETY DATA SHEET

## ALPHACHEM ACCELERATOR FROSTPROOFER AND HARDENER



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 Accelerator Frostproofers and Hardener  
Product Code X3ACCEL  
Unique Formula Identifier (UFI) Y1P0-50WV-1005-WRNM  
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, industrial use. Admixture to give frost protection and improve setting of cement in cold weather.  
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  
00353 87 2528476  
Telephone  
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)

Eye Irrit. 2; H319

#### 2.2 Label elements

Product name According to Regulation (EC) No. 1272/2008 (CLP)  
Accelerator Frostproofers and Hardener  
Contains: Not applicable

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Hazard Pictogram(s)



Signal Word(s)

Warning

Hazard Statement(s)

H319: Causes serious eye irritation.

Precautionary Statement(s)

P264: Wash hands thoroughly after handling.  
P280: Wear protective gloves/protective clothing and eye/face protection.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P317: If eye irritation persists: Get medical help.

Supplemental information

None Known

2.3 Other hazards

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)
Calcium Chloride	25 - 35	10043-52-4	233-140-8	01-2119494219-28	Eye Irrit. 2; H319

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

Ensure adequate ventilation. Avoid breathing vapours. Avoid contact with skin and eyes. Contaminated clothing should be laundered before reuse.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

Skin contact

IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact

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

Ingestion

IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Give plenty of water to drink. If symptoms occur obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Causes eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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### 5. SECTION 5: FIREFIGHTING MEASURES

- |  |   |
|--|---|
| <b>5.1 Extinguishing media</b><br>Suitable extinguishing media<br>Unsuitable extinguishing media | Extinguish with carbon dioxide, dry chemical, foam or waterspray.<br>Do not use water jet. Direct water jet may spread the fire.  |
| <b>5.2 Special hazards arising from the substance or mixture</b>                                 | Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions. In case of fire: toxic fumes may be formed.   |
| <b>5.3 Advice for firefighters</b>   | 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

- |  |  |
|--|--|
| <b>6.1 Personal precautions, protective equipment and emergency procedures</b> | Ensure adequate ventilation. Stop leak if safe to do so. Eliminate all ignition sources if safe to do so. Use personal protective equipment as required. Avoid breathing vapours. See Section: 8                               |
| <b>6.2 Environmental precautions</b>   | Avoid release to the environment. Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body. |
| <b>6.3 Methods and material for containment and cleaning up</b>                | Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Ventilate the area and wash spill site after material pick-up is complete.   |
| <b>6.4 Reference to other sections</b>   | See Section: 8, 13   |

### 7. SECTION 7: HANDLING AND STORAGE

- |  |   |
|--|---|
| <b>7.1 Precautions for safe handling</b>   | Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapours. 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. |
| <b>7.2 Conditions for safe storage, including any incompatibilities</b><br>Storage temperature<br>Incompatible materials | 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.<br>Aluminium                                   |
| <b>7.3 Specific end use(s)</b>   | See Section: 1.2.   |

### 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- |  |   |
|--|---|
| <b>8.1 Control parameters</b>  |   |
| <b>8.1.1 Occupational exposure limits</b>  | Not established   |
| <b>8.1.2 Biological limit value</b>  | Not established   |
| <b>8.1.3 PNECs and DNELs</b>   | Not established   |
| <b>8.2 Exposure controls</b>   |   |
| <b>8.2.1 Appropriate engineering controls</b>                                      | Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.   |
| <b>8.2.2 Individual protection measures, such as personal protective equipment</b> | General hygiene measures for the handling of chemicals are applicable. Keep good industrial hygiene. Avoid all contact. Avoid breathing vapours. Wash hands before breaks and after work. Keep work clothes separately. Do not eat, drink or smoke at the work place. |

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

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Eye/ face protection



Wear protective eye glasses for protection against liquid splashes. Wear eye protection with side protection.

Skin protection



**Hand protection:**

Wear impervious gloves. Gloves should be changed regularly to avoid permeation problems. Breakthrough time of the glove material: refer to the information provided by the gloves' producer.

Respiratory protection



**Body protection:**

Wear work clothes with long sleeves. Wear chemical resistant apron.

In case of inadequate ventilation wear respiratory protection.

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	Opaque colourless
Odour	Barely Perceptible odour
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	100 °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	9 - 11
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	1.18 – 1.23
Relative vapour density	No data available
Particle characteristics	Not applicable

**9.2 Other information**

No data available

## 10. SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	Stable under normal conditions.
<b>10.2 Chemical stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	Stable under normal conditions.
<b>10.4 Conditions to avoid</b>	Protect from moisture.
<b>10.5 Incompatible materials</b>	Aluminium.
<b>10.6 Hazardous decomposition products</b>	In case of fire: Toxic fumes may be formed.

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### 11. SECTION 11: TOXICOLOGICAL INFORMATION

<b>11.1</b>	<b>Information on hazard classes as defined in Regulation (EC) No 1272/2008</b>		
	<b>Acute toxicity - Ingestion</b>		Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: Estimated LD50 (oral,rat) mg/kg: > 2.000 mg/kg bw
	<b>Acute toxicity - Inhalation</b>		Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: Estimated LC50 mg/m <sup>3</sup> > 100
	<b>Acute toxicity - Skin contact</b>		Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: Estimated LD50 (dermal) mg/kg: >5.000
	<b>Skin corrosion/irritation</b>		Mixture: Based upon the available data, the classification criteria are not met.
	<b>Serious eye damage/irritation</b>		Mixture: Eye Irrit. 2; H319: Causes serious eye irritation.
		Calcium Chloride	Eye Irrit. 2; H319: Causes serious eye irritation. Severe irritant to rabbit eyes (OECD 405) ECHA registration dossier
	<b>Respiratory or skin sensitisation</b>		Mixture: Based upon the available data, the classification criteria are not met.
	<b>Germ cell mutagenicity</b>		Mixture: Based upon the available data, the classification criteria are not met.
	<b>Carcinogenicity</b>		Mixture: Based upon the available data, the classification criteria are not met.
	<b>Reproductive toxicity</b>		Mixture: Based upon the available data, the classification criteria are not met.
	<b>STOT - Single Exposure</b>		Mixture: Based upon the available data, the classification criteria are not met.
	<b>STOT - Repeated Exposure</b>		Mixture: Based upon the available data, the classification criteria are not met.
	<b>Aspiration hazard</b>		Mixture: Based upon the available data, the classification criteria are not met.
<b>11.2</b>	<b>Information on other hazards</b>		
<b>11.2.1</b>	Endocrine disrupting properties		No substances identified as having endocrine-disrupting properties.
<b>11.2.2</b>	Other information		None known

### 12. SECTION 12: ECOLOGICAL INFORMATION

<b>12.1</b>	<b>Toxicity</b>		Mixture: Based upon the available data, the classification criteria are not met. Estimated LC50 (Mixture) mg/L (48h) : >6.000 mg/l.
<b>12.2</b>	<b>Persistence and degradability</b>		Based upon the available data, the classification criteria are not met.
		Calcium Chloride	Not applicable for inorganic substances.
<b>12.3</b>	<b>Bioaccumulative potential</b>		Based upon the available data, the classification criteria are not met.
		Calcium Chloride	The substance has potential for bioaccumulation.
<b>12.4</b>	<b>Mobility in soil</b>		Based upon the available data, the classification criteria are not met.
		Calcium Chloride	Calcium chloride is not expected to be absorbed in soil due to its dissociation properties and high water solubility but may rather behave as free ions or may form stable inorganic or organic salts with other counter ions, leading to different fates between calcium and chloride ions in soil and water compartments in the environment. As for the behaviour of calcium in soil, the calcium ion may bind to soil particulate or may form stable inorganic salts with sulphate and carbonate ions. The chloride ion is mobile in soil and eventually drains into surface water because it is readily dissolved in water. Source: ECHA registration dossier for Calcium Chloride
<b>12.5</b>	<b>Results of PBT and vPvB assessment</b>		Not classified as PBT or vPvB.
<b>12.6</b>	<b>Endocrine disrupting properties</b>		No substances identified as having endocrine-disrupting properties.
<b>12.7</b>	<b>Other adverse effects</b>		None known

### 13. SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1</b>	<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. Waste code: HP4 (Irritant — skin irritation and eye damage)

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### 14. SECTION 14: TRANSPORT INFORMATION

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

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

### 15. 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
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 National regulations	Not restricted
15.2 Chemical Safety Assessment	REACH chemical safety assessment has not been carried out.

### 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 Calcium Chloride (CAS No. 10043-52-4)  
Existing ECHA registration(s) for Calcium Chloride (CAS No. 10043-52-4)

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

Classification of the substance or mixture According to Regulation (EC) No. 1272/2008 (CLP)	Classification procedure
Eye Irrit. 2; H319	Additivity Method

#### 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

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vPvB                      vPvB: very Persistent and very Bioaccumulative

**Hazard classification / Classification code:**

Eye Irrit. 2; Eye Irritation, Category 2

**Hazard Statement(s)**

H319: Causes serious eye irritation.

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.