

# SAFETY DATA SHEET


## ALPHACEM INTEGRAL WATERPROOFER

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

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

<b>1.1 Product identifier</b>		
Product name	AlphaChem Integral Waterproofer	
Product Code	XEINT	
Unique Formula Identifier (UFI)	J9P0-Q001-X00N-VSDT	
Nanoform	The product does not contain nanoparticles.	
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>		
Identified Use(s)	Professional use. Construction materials additives.	
Uses advised against	No information available.	
<b>1.3 Details of the supplier of the safety data sheet</b>		
Company Identification	Cromar Building Products Limited Units 1,3,4,5 Northside Industrial Park, Selby Road Whitley Bridge North Yorkshire DN14 0GH United Kingdom	
Telephone	01977 663133	
E-mail (competent person)	<a href="mailto:sales@cromar.uk.com">sales@cromar.uk.com</a>	
<b>1.4 Emergency telephone number</b>		
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
NHS 24	111	Members of Public
Languages spoken	English	

### SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>		
<b>2.1.1 The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain</b>	Skin Irrit. 2; H315 Eye Irrit. 2; H319	
<b>2.2 Label elements</b>		
Product name	The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain	
Contains:	Integral Waterproofer Not applicable	
Hazard Pictogram(s)		
Signal Word(s)	Warning	
Hazard Statement(s)	H315: Causes skin irritation. H319: Causes serious eye irritation.	
Precautionary Statement(s)	P264: Wash hands and exposed skin thoroughly after handling. P280: Wear protective gloves/protective clothing and eye/face protection. P362: Take off contaminated clothing and wash it before reuse. P302+P352: IF ON SKIN: Wash with plenty of water.	

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ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830  
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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

## 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 hydroxide	1 - 5	1310-73-2	215-185-5	01-2119457892-27-0035	Met. Corr. 1; H290 Skin Corr. 1A; H314
Sodium silicate	2 - 5	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

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. Remove patient from exposure, keep warm and at rest. 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. Make victim drink plenty of water. Do not give anything by mouth to an unconscious person. Call a POISON CENTER/doctor if you feel unwell.

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

Causes eye irritation. Causes skin irritation.

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

Treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media

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

Unsuitable extinguishing media

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

### 5.2 Special hazards arising from the substance or mixture

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

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Date of issue: 16.03.2022  
Version 1.0

### 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.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

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

### 6.2 Environmental precautions

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.

### 6.3 Methods and material for containment and cleaning up

Absorb 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.

### 6.4 Reference to other sections

See Section: 8, 13

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Ensure adequate ventilation. 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

storage temperature  
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.

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

#### United Kingdom:

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
sodium hydroxide	1310-73-2	-	-	-	2	-

Source: WEL: Workplace Exposure Limit (UK HSE EH40).

#### Note:

Carc - Capable of causing cancer and/or heritable genetic damage.

Sk - Can be absorbed through skin.

BMGV – Biological monitoring guidance value.

#### Ireland

SUBSTANCE	CAS No.	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15-minute reference period)		Notes
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
sodium hydroxide	1310-73-2	-	-	-	2	-

Source: 2021 Code of Practice for Safety, Health and Welfare at Work (Chemical Agents) Regulation (2001 – 2021) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001 – 2019); Health and Safety Authority

#### Note:

BOELV: Binding Occupational Exposure Limit Value

IOELV: Indicative Occupational Exposure Limit Value

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Version 1.0

Sk: Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body.

Sens.: In the workplace respiratory or dermal exposures to sensitising agents may occur. Sensitizers may evoke respiratory or dermal reactions.

Carc. 1B: Substances presumed to have carcinogenic potential for humans.

<b>8.1.2</b>	<b>Biological limit value</b>	Not established
<b>8.1.3</b>	<b>PNECs and DNELs</b>	Not established
<b>8.2</b>	<b>Exposure controls</b>	
<b>8.2.1</b>	<b>Appropriate engineering controls</b>	Ensure adequate ventilation. Atmospheric levels should be controlled in compliance with the occupational exposure limit. A washing facility/water for eye and skin cleaning purposes should be present.
<b>8.2.2</b>	<b>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.

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.

**Body protection:**

Wear work clothes with long sleeves.

Respiratory protection



In case of inadequate ventilation wear respiratory protection.

Thermal hazards

Not applicable

<b>8.2.3</b>	<b>Environmental exposure controls</b>	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	Characteristic
Odour threshold	No data available
pH	9.1 – 9.3
Melting point/freezing point	No data available
Initial boiling point and boiling range	100 °C
Flash point	93 °C
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

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Date of issue: 16.03.2022  
Version 1.0

Relative density	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	Stable under normal conditions.
10.4 Conditions to avoid	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.
10.5 Incompatible materials	Keep cool. Protect from sunlight.
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, rabbit) mg/kg: > 300 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 (rat) g/m <sup>3</sup> > 2
Acute toxicity - Skin contact	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: Estimated LD50 (skin,rat) mg/kg: >5.000
Skin corrosion/irritation	Mixture: Skin Irrit. 2; H315: Causes skin irritation.
Sodium hydroxide	Skin Irrit. 2; H315: Causes skin irritation. Test Result; Corrosive (OECD 435) ECHA registration dossier
Sodium silicate	Skin Irrit. 2; H315: Causes skin irritation. Corrosive to rabbit skin OECD 404 ECHA registration dossier
Serious eye damage/irritation	Mixture: Eye Irrit. 2; H319: Causes serious eye irritation.
Sodium hydroxide	Eye Irrit. 2; H319: Causes serious eye irritation. Test Result; Irritant (Rabbit) (OECD 405) ECHA registration dossier
Sodium silicate	Eye Irrit. 2; H319: Causes serious eye irritation. Irreversible effects on the eye (rabbit) ECHA registration dossier
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

### SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Mixture: Based upon the available data, the classification criteria are not met.
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Version 1.0

	Sodium hydroxide	LC50 (fish) mg/l; 35 – 189 ECHA registration dossier
	Sodium silicate	LC50 (fish) mg/l (96h); 1108 Existing Safety Data Sheet (SDS)
<b>12.2 Persistence and degradability</b>		Based upon the available data, the classification criteria are not met.
	Sodium hydroxide	Not applicable for inorganic substances. Source: ECHA registration dossier for sodium hydroxide
	Sodium silicate	Not applicable for inorganic substances. Existing Safety Data Sheet (SDS)
<b>12.3 Bioaccumulative potential</b>		Based upon the available data, the classification criteria are not met.
	Sodium hydroxide	The substance has low potential for bioaccumulation. Source: ECHA registration dossier for sodium hydroxide
	Sodium silicate	The substance has no potential for bioaccumulation. Existing Safety Data Sheet (SDS)
<b>12.4 Mobility in soil</b>		Based upon the available data, the classification criteria are not met.
	Sodium hydroxide	No information available.
	Sodium silicate	No information available.
<b>12.5 Results of PBT and vPvB assessment</b>		Not classified as PBT or vPvB.
<b>12.6 Other adverse effects</b>		None Known

### SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1 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.
<b>13.2 Additional information</b>		None Known

### SECTION 14: TRANSPORT INFORMATION

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

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

### SECTION 15: REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
<b>15.1.1 EU regulations</b>	Authorisations and/or restrictions on use Not restricted
<b>GB regulations</b>	Grandfathered registrations notified substances list Sodium hydroxide: Restricted substances
<b>15.1.2 National regulations</b>	Not restricted
<b>15.2 Chemical Safety Assessment</b>	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:

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Date of issue: 16.03.2022  
Version 1.0

Existing Safety Data Sheet (SDS) for Sodium Silicate (CAS No. 15859-24-2) and sodium hydroxide (CAS No. 1310-73-2)  
Existing ECHA registration(s) for Sodium Silicate (CAS No. 15859-24-2) and sodium hydroxide (CAS No. 1310-73-2)

Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830.  
Compiled in accordance with REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Classification of the substance or mixture. The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain	Classification procedure
Skin Irrit. 2; H315	Additivity Method
Eye Irrit. 2; H319	Additivity Method

### 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:

Met. Corr. 1; Metal Corrosive, Category 1  
Skin Corr. 1A ; Skin corrosion/irritation, Category 1A  
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)

H290: May be corrosive to metals.  
H314: Causes severe skin burns and eye damage.  
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.