

# SAFETY DATA SHEET



## ALPHACHEM AD MIX 3 IN 1

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 Ad Mix 3 in 1	
Product Code	MAC3/BULK	
Unique Formula Identifier (UFI)	K8F0-60DG-U002-NSMH	
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)	Consumer use, professional use, industrial 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 01977 663133 <a href="mailto:sales@cromar.uk.com">sales@cromar.uk.com</a>	
Telephone		
E-mail (competent person)		
<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 Members of Public
NHS 24	111	
Language(s) 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>	Met. Corr. 1; H290 Skin Corr. 1 H314 Skin Sens. 1; H317 Eye Dam. 1; H318 Aquatic Chronic 3;H412
<b>2.2 Label elements</b>	
Product name	The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain Ad Mix 3 in 1
Contains:	Sodium hydroxide, Dipentene
Hazard Pictogram(s)	 
Signal Word(s)	Danger
Hazard Statement(s)	H290: May be corrosive to metals. H314: Causes severe skin burns and eye damage. H317: May cause an allergic skin reaction. H412: Harmful to aquatic life with long lasting effects.

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Precautionary Statement(s)

P260: Do not breathe dust/fume/gas/mist/vapours/spray.  
P280: Wear protective gloves/protective clothing and eye/face protection.  
P310: Immediately call a POISON CENTER/doctor/...  
P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303+P361+P353: IF ON SKIN or hair: Take off immediately all contaminated clothing. Rinse skin with water.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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	5	1310-73-2	215-185-5	01-2119457892-27-0035	Met. Corr. 1; H290 Skin Corr. 1A; H314
Dipentene	1	138-86-3	205-341-0	Not yet assigned in the supply chain	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410

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

Use personal protective equipment as required. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Do not breathe vapour. Avoid all contact. 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: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Wash contaminated clothing before reuse. If exposed or concerned: Get medical attention/advice.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF IN EYES: Treatment by an ophthalmologist due to possible caustic burn of the eyes may be required.

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 severe skin burns and eye damage. May cause an allergic skin reaction.

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- |            |   |   |
|------------|---|---|
| <b>4.3</b> | <b>Indication of any immediate medical attention and special treatment needed</b> | Treat symptomatically.<br>IF IN EYES: Treatment by an ophthalmologist due to possible caustic burn of the eyes may be required. |
|------------|---|---|

### SECTION 5: FIREFIGHTING MEASURES

- |            |  |   |
|------------|--|---|
| <b>5.1</b> | <b>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</b> | <b>Special hazards arising from the substance or mixture</b>                                 | Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions. When the product is heated releases corrosive vapours. Toxic fumes may be formed. Gives off hydrogen by reaction with metals. Combustion products: Carbon monoxide, Carbon dioxide. |
| <b>5.3</b> | <b>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.   |

### SECTION 6: ACCIDENTAL RELEASE MEASURES

- |            |  |  |
|------------|--|--|
| <b>6.1</b> | <b>Personal precautions, protective equipment and emergency procedures</b> | Keep upwind. Ensure adequate ventilation. Stop leak if safe to do so. Eliminate all ignition sources if safe to do so. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use personal protective equipment as required. Do not breathe vapour. See Section: 8 |
| <b>6.2</b> | <b>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</b> | <b>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. Collect in closed and suitable containers for disposal. Ventilate the area and wash spill site after material pick-up is complete.   |
| <b>6.4</b> | <b>Reference to other sections</b>   | See Section: 8, 13   |

### SECTION 7: HANDLING AND STORAGE

- |            |   |   |
|------------|---|---|
| <b>7.1</b> | <b>Precautions for safe handling</b>                                | Ensure operatives are trained to minimise exposures. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid all contact. Do not breathe vapour. Ensure adequate ventilation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use personal protective equipment as required. See Section: 8. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Remove contaminated clothing and wash clothing before reuse. |
| <b>7.2</b> | <b>Conditions for safe storage, including any incompatibilities</b> | Ground/bond container and receiving equipment. Keep only in original container. Store in a well-ventilated place. Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from direct sunlight.<br>Ambient temperatures.<br>Metals (including their alloys), Oxidizing agents, Acids.   |
| <b>7.3</b> | <b>Specific end use(s)</b>  | Polyethylene<br>See Section: 1.2.   |

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- |              |                                     |
|--------------|-------------------------------------|
| <b>8.1</b>   | <b>Control parameters</b>           |
| <b>8.1.1</b> | <b>Occupational exposure limits</b> |

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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).

- 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. 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.
- 8.2.2 Individual protection measures, such as personal protective equipment** General hygiene measures for the handling of chemicals are applicable. Keep good industrial hygiene. Avoid all contact. Do not breathe vapour. Wash hands before breaks and after work. Keep work clothes separately. Do not eat, drink or smoke at the work place. Guarantee that the eye flushing systems and safety showers are located close to the working 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 impervious protective clothing, including boots, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection



In case of inadequate ventilation wear respiratory protection. Filter type: P2.

Thermal hazards

Not applicable

- 8.2.3 Environmental exposure controls** Avoid release to the environment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Blue liquid
Odour	Barely Perceptible odour
Odour threshold	No data available
pH	12 - 14
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available

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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	0.9 – 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	No data available
Oxidising properties	No data available

9.2 Other information No data available

### SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	This product may react with metals.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Stable under normal conditions.
10.4 Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from direct sunlight.
10.5 Incompatible materials	Metals (including their alloys), Oxidizing agents, Acids.
10.6 Hazardous decomposition products	When the product is heated releases corrosive vapours. Toxic fumes may be formed. Gives off hydrogen by reaction with metals. Combustion products: Carbon monoxide, Carbon dioxide.

### 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: < 400 mg/kg bw
Acute toxicity - Inhalation	Mixture: Based upon the available data, the classification criteria are not met.
Acute toxicity - Skin contact	Mixture: Based upon the available data, the classification criteria are not met.
Skin corrosion/irritation	Mixture: Skin Corr. 1A; H314: Causes severe skin burns and eye damage.
	Sodium hydroxide Skin Corr. 1A; H314: Causes severe skin burns and eye damage. 500 µL of a water-based formulation containing sodium hydroxide; breakthrough time of 13.16 min ± 0.06 Result: Corrosive to skin. (OECD 435) Source: ECHA registration dossier
Serious eye damage/irritation	Mixture: Eye Dam. 1; H318: Causes serious eye damage.
	Sodium hydroxide Eye Dam. 1; H318: Causes serious eye damage. Migrated information 2% solution of NaOH Severe irritant to rabbit eyes. (OECD 405) Source: ECHA registration dossier
Respiratory or skin sensitisation	Mixture: Skin Sens. 1; H317: May cause an allergic skin reaction.
	Dipentene Skin Sens. 1; H317: May cause an allergic skin reaction.
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	<b>Toxicity</b> Dipentene	Mixture: Aquatic Chronic 3; H412: Harmful to aquatic life with long lasting effects. Aquatic Chronic 3; Harmful to aquatic life with long lasting effects. LC50 (rainbow trout) mg/l (96 hour): 80 EC50 (Daphnia magna) mg/l (48 hour): 17
12.2	<b>Persistence and degradability</b> sodium hydroxide Dipentene	Based upon the available data, the classification criteria are not met. Not applicable for inorganic substances. No information available.
12.3	<b>Bioaccumulative potential</b> sodium hydroxide Dipentene	Based upon the available data, the classification criteria are not met. The substance has low potential for bioaccumulation. No information available.
12.4	<b>Mobility in soil</b> sodium hydroxide Dipentene	Based upon the available data, the classification criteria are not met. No information available. No information available.
12.5	<b>Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
12.6	<b>Other adverse effects</b>	None Known

### SECTION 13: DISPOSAL CONSIDERATIONS

13.1	<b>Waste treatment methods</b>	This material and its container must be disposed of as hazardous waste. Dispose of wastes in an approved waste disposal facility.
	Waste classification according to Directive 2008/98/EC (Waste Framework Directive)	Dispose of contents in accordance with local, state or national legislation. Waste code: HP8 (Corrosive)

### SECTION 14: TRANSPORT INFORMATION

	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA/CAO</b>
14.1	<b>UN number</b>	UN 1824	UN 1824
14.2	<b>UN proper shipping name</b>	SODIUM HYDROXIDE SOLUTION	ALCOHOLS, N.O.S
14.3	<b>Transport hazard class(es)</b>	8	3
14.4	<b>Packing group</b>	II	III
14.5	<b>Environmental hazards</b>	Environmentally hazardous	Classified as a Marine Pollutant.
14.6	<b>Special precautions for user</b>	See Section: 2	Environmentally hazardous
14.7	<b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable	

### 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
	<b>GB regulations</b> Grandfathered registrations notified substances list	Sodium hydroxide: Restricted substances
15.1.2	<b>National regulations</b>	Not restricted
15.2	<b>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:

Existing Safety Data Sheet (SDS) for Sodium hydroxide (CAS No. 1310-73-2) and Dipentene (CAS No. 138-86-3)

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Existing ECHA registration(s) for Sodium hydroxide (CAS No. 1310-73-2) and Dipentene (CAS No. 138-86-3)

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
Met. Corr. 1; H290	Expert judgement
Skin Corr. 1; H314	Threshold Calculation
Skin Sens. 1; H317	Threshold Calculation
Eye Dam. 1; H318	Threshold Calculation
Aquatic Chronic 3; H412	Summation Calculation

### 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:

Flam. Liq. 3; Flammable liquid, Category 3  
Met. Corr. 1; Metal Corrosive, Category 1  
Skin Corr. 1A ; Skin corrosion/irritation, Category 1A  
Skin Irrit. 2; Skin corrosion/irritation, Category 2  
Skin Sens. 1; Skin Sensitisation, Category 1  
Aquatic Acute 1; Hazardous to the aquatic environment, acute, Category 1  
Aquatic Chronic 1; Hazardous to the aquatic environment, Chronic , Category 1

### Hazard Statement(s)

H226: Flammable liquid and vapour.  
H290: May be corrosive to metals.  
H314: Causes severe skin burns and eye damage.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.

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.