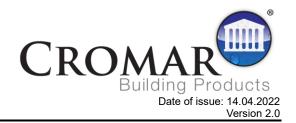
ALPHACHEM AD MIX 3 IN 1

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



1.	SECTION 1: IDENTIFICATION OF THE SUBST	ANGE/WILLI UKE AND U	FINE COMPANT/UNDERTAKING		
1.1	Product Identifier Product Name Product Code Unique Formula Identifier (UFI) Nanoform	AlphaChem Ad Mix 3 in 1 MAC3/BULK K8F0-60DG-U002-NSMH The product does not contain	nanoparticles.		
1.2	Relevant identified uses of the substance or mixture and uses advised against				
	Identified use(s) Uses advised against	Consumer use, professional u No information available.	se, industrial use. Construction materials additive		
1.3	Details of the supplier of the safety data sheet				
	Company Identification	Cromar Building Products Lim Units 1,3,4,5 Northside Indust Selby Road Whitley Bridge North Yorkshire DN14 0GH United Kingdom			
	Telephone	01977 663133			
	E-mail (competent person) sales@cromar.uk.com				
	Distributed in the EU	Cromar Ireland Quinn Freight Forwarding Ltd Unit 2017 Orchard Avenue Cit Dublin D24 AXR0, Ireland			
	Telephone	00353 87 2528476			
	E-mail	info@cromar.ie			
1.4	Emergency Telephone Number				
	Emergency Phone No.	01977 663133 +353 (1) 809 2166	Office hours (08:30 - 17:00) 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 Healthcare Professionals ONLY		
	National Poisons Information Servce (Northern Ireland)	+44 (0) 3448 920111	24 hr. emergency phone number Healthcare Professionals ONLY		
	NHS 24	111	Members of Public		
	Language(s) spoken:	English			

2. SECTION 2: HAZARDS IDENTIFICATION

2.1	Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)	Met. Corr. 1; H290 Skin Corr. 1 H314 Skin Sens. 1; H317 Eye Dam. 1; H318 Aquatic Chronic 3;H412
2.2	Label elements Product name Contains:	According to Regulation (EC) No. 1272/2008 (CLP) Ad Mix 3 in 1 Sodium hydroxide, Dipentene

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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.
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
3 Other hazards	None Known

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances - Not applicable

3.2 Mixtures

2.3

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 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

Specific concentration limit (SCL) & M-factor

Chemical identity of the substance	CAS No.	EC No.	Specific concentration limit (SCL)	M-factor
Sodium hydroxide	1310-73-2	215-185-5	Eye Irrit. 2; H319: $0,5 \% \le C < 2 \%$ Skin Corr. 1A; H314: $C \ge 5 \%$ Skin Corr. 1B; H314: $2 \% \le C < 5 \%$ Skin Irrit. 2; H315: $0,5 \% \le C < 2 \%$	-

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

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4. SECTION 4: FIRST AID MEASURES



4.1	Description of first aid measures	
4.1	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	Causes severe skin burns and eye damage. May cause an allergic skin
	and delayed	reaction.
4.3	Indication of any immediate medical attention and	Treat symptomatically.
	special treatment needed	IF IN EYES: Treatment by an ophthalmologist due to possible caustic burn of

5. 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. 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
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.

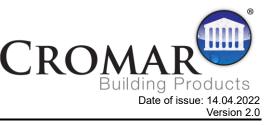
the eyes may be required.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions, protective equipment and emergency procedures	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
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	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.
6.4	Reference to other sections	See Section: 8, 13

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7. SECTION 7: HANDLING AND STORAGE

7.1	Precautions for safe handling	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.
7.2	Conditions for safe storage, including any incompatibilities	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.
	Storage temperature	Ambient temperatures.
	Incompatible materials	Metals (including their alloys), Oxidizing agents, Acids.
	Suitable containers:	Polyethylene
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

United Kingdom:

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Sodium hydroxide	1310-73-2	-	-	-	2	-

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

Ireland

SUBSTANCE	CAS No.	Occupational Ex	posure Limit Value	Occupational Exposure Limit Value		Notes
		(8-hour reference period)		(15-minute reference period)		
		ppm	mg/m³	ppm	mg/m³	
Sodium hydroxide	1310-73-2	-	-	-	2	-

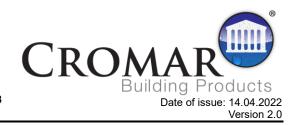
Source: 2021 Code of Practice for Safety, Health and Welfare at Work (Chemical Agents) Regulation (2001 – 2021) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001 – 2019); Health and Safety Authority

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.

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Eye/ face protection Wear protective eye glasses for protection against liquid splashes. Wear eye protection with side protection. Hand protection: Skin 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 Information on basic physical and chemical properties Physical state Liquid Colour Blue Odour Barely Perceptible odour Melting point/freezing point No data available Boiling point or initial boiling point and boiling range No data available 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 pН 12 - 14 No data available Kinematic viscosity Solubility No data available Partition coefficient: n-octanol/water (log value) No data available Vapour pressure No data available Density and/or relative density 0.9 - 1.1 Relative vapour density No data available Particle characteristics Not applicable

9.2 Other information

9.

9.1

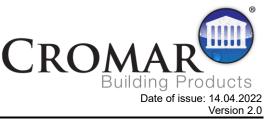
No data available

SECTION 10: STABILITY AND REACTIVITY 10.

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.

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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.

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, 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 hvdroxide	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	Information on other hazards				
11.2.1 11.2.2	Endocrine disrupting properties Other information		No substances identified as having endocrine-disrupting properties. None known		

12. SECTION 12: ECOLC	OGICAL INFORMATION
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12.1	Toxicity	Mixture: Aquatic Chronic 3; H412: Harmful to aquatic life with long lasting effects.
	Dipentene	Aquatic Chronic 3;Harmful to aquatic life with long lasting effects.
	Diponono	LC50 (rainbow trout) mg/l (96 hour): 80
		EC50 (Daphnia magna) mg/l (48 hour): 17
12.2	Persistence and degradability	Based upon the available data, the classification criteria are not met.
	sodium hydroxide	Not applicable for inorganic substances.
	Dipentene	No information available.
12.3	Bioaccumulative potential	Based upon the available data, the classification criteria are not met.
	sodium hydroxide	The substance has low potential for bioaccumulation.
	Dipentene	No information available.
12.4	Mobility in soil	Based upon the available data, the classification criteria are not met.
	sodium hydroxide	No information available.
	Dipentene	No information available.
12.5	Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6	Endocrine disrupting properties	No substances identified as having endocrine-disrupting properties.
12.7	Other adverse effects	None known

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13. 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. Dispose of contents in accordance with local, state or national legislation. Waste code: HP8 (Corrosive)

14. SECTION 14: TRANSPORT INFORMATION

14.1 14.2	UN number or ID number UN proper shipping name	ADR/RID UN 1824 SODIUM HYDROXIDE SOLUTION	ADN UN 1824 SODIUM HYDROXIDE SOLUTION	IMDG UN 1824 SODIUM HYDROXIDE SOLUTION	IATA/ICAO UN 1824 SODIUM HYDROXIDE SOLUTION
14.3	Transport hazard class(es)	8	8	8	8
14.4	Packing group	II	II	II	II
14.5	Environmental hazards	Environmentally hazardous	Environmentally hazardous	Classified as a Marine Pollutant.	Environmentally hazardous
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)
	EU Seveso Directive (2012/18/EU)	Dipentene; Annex I - Part 1 (Categories of dangerous substances)
	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	A 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.

References:

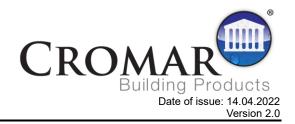
Existing Safety Data Sheet (SDS) for Sodium hydroxide (CAS No. 1310-73-2) and Dipentene (CAS No. 138-86-3) Existing ECHA registration(s) for Sodium hydroxide (CAS No. 1310-73-2) and Dipentene (CAS No. 138-86-3)

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
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

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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
ΙΑΤΑ	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 ,

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

Category 1

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Cromar Building Products gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Cromar Building Products accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.

Annex to the extended Safety Data Sheet (eSDS)

Exposure scenarios for substances in this preparation are not available.