

SAFETY DATA SHEET

ALPHACHEM MORTAR STAIN REMOVER

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



Date of issue: 28.07.2022
Version 2.0

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

1.1 Product Identifier

Product Name	AlphaChem Mortar Stain Remover
Product Code	X3MSR
REACH Registration No.	01-2119484862
Unique Formula Identifier (UFI)	0VF0-R078-Y00J-85PY
Nanoform	The product does not contain nanoparticles.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use(s)	Industrial use, professional use. Mortar stain removal. Cleaning/washing agents and additives.
Uses advised against	Anything other than the above.

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

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 Members of Public
National Poisons Information Centre (Ireland)	+353 (1) 809 2566	24 hr. emergency phone number Healthcare Professionals ONLY
National Poisons Information Service (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)

Skin Corr. 1B; H314
Eye Dam. 1; H318
STOT SE 3; H335

2.2 Label elements

Product name	According to Regulation (EC) No. 1272/2008 (CLP) Mortar Stain Remover
Contains:	Hydrochloric acid

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Hazard Pictogram(s)



Signal Word(s)

Danger

Hazard Statement(s)

H314: Causes severe skin burns and eye damage.
H335: May cause respiratory irritation.

Precautionary Statement(s)

P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P264: Wash hands and exposed skin thoroughly after handling.
P280: Wear protective gloves/protective clothing and eye/face protection.
P310: Immediately call a POISON CENTER/doctor.
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

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)
Hydrochloric acid	20 - 25	7647-01-0	231-595-7	Not yet assigned in the supply chain	Skin Corr. 1B; H314 STOT SE 3; H335

Specific concentration limit (SCL) & M-factor

Chemical identity of the substance	CAS No.	EC No.	Specific concentration limit (SCL)	M-factor
Hydrochloric acid	7647-01-0	231-595-7	Eye Irrit. 2; H319: 10 % ≤ C < 25 % STOT SE 3; H335: C ≥ 10 % Skin Corr. 1B; H314: C ≥ 25 % Skin Irrit. 2; H315: 10 % ≤ C < 25 %	-

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Self-protection of the first aider

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.

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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 respiratory irritation.
4.3 Indication of any immediate medical attention and special treatment needed	Treat symptomatically. IF IN EYES: Treatment by an ophthalmologist due to possible caustic burn of the eyes may be required.

5. SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media Suitable extinguishing media Unsuitable extinguishing media	Extinguish with carbon dioxide, dry chemical, foam or waterspray. Do not use water jet. Direct water jet may spread the fire.
5.2 Special hazards arising from the substance or mixture	Not flammable. Heating may cause evolution of corrosive and toxic hydrogen chloride gas. The product reacts with metals with evolution of highly flammable hydrogen.
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	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. 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	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

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling	Ensure adequate ventilation. Avoid all contact. 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. Metals, Bases, Strong oxidants, Sulphides, Sulphites, Sodium azide. Keep cool. Protect from sunlight.
7.3 Specific end use(s)	See Section: 1.2.

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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/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Hydrochloric acid	7647-01-0	1	2	5	8	-

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

Ireland

SUBSTANCE	CAS No.	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15-minute reference period)		Notes
		ppm	mg/m ³	ppm	mg/m ³	
Hydrochloric acid	7647-01-0	5	8	10	15	IOELV

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

Notes

IOELV - Indicative Occupational Exposure Limit Values are health based limits set under the Chemical Agents Directive 98/24/EC.

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 glasses with side protection according to EN 166. Full-face mask (DIN EN 136)

Skin protection



Hand protection:

Wear impervious gloves (EN374). 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.

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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	Colourless to pale yellow
Odour	Pungent, acidic
Melting point/freezing point	-70 °C
Boiling point or initial boiling point and boiling range	80 – 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	1
Kinematic viscosity	No data available
Solubility	Completely soluble in water.
Partition coefficient: n-octanol/water (log value)	No data available
Vapour pressure	23 hPa @ 20 °C
Density and/or relative density	No data available
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	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	Metals, Bases, Strong oxidants, Sulphides, Sulphites, Sodium azide. Keep cool. Protect from sunlight.
10.6 Hazardous decomposition products	Heating may cause evolution of corrosive and toxic hydrogen chloride gas. The product reacts with metals with evolution of highly flammable hydrogen.

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 (rat) mg/L: 700
LD50 (oral, mouse) mg/kg: 1449

Acute toxicity - Inhalation

Mixture: Based upon the available data, the classification criteria are not met.
Acute Toxicity Estimate Mixture Calculation: Estimated LC50 (rat) (Vapours) mg/L/4h: 2.25

Acute toxicity - Skin contact

Mixture: Based upon the available data, the classification criteria are not met.
LD50 (skin,rabbit) mg/kg: 5010

Skin corrosion/irritation

Mixture: Skin Corr. 1B; H314: Causes severe skin burns and eye damage.
Hydrochloric acid Skin Corr. 1B; H314: Causes severe skin burns and eye damage.

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Serious eye damage/irritation	Hydrochloric acid	Skin Irrit. 2; H315: 10 % ≤ C < 25 % Source: ECHA Harmonised Classification Mixture: Eye Dam. 1; H318: Causes serious eye damage. Eye Irrit. 2; H319: Causes serious eye irritation. Eye Irrit. 2; H319: 10 % ≤ C < 25 % Source: ECHA Harmonised Classification
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	Hydrochloric acid	Mixture: STOT SE 3; H335: May cause respiratory irritation. STOT SE 3; H335: May cause respiratory irritation. NOAEL; 20ppm LOAEL; 50ppm NOEL; 10ppm Source: ECHA registration dossier
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 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 Toxicity	Hydrochloric acid	Mixture: Based upon the available data, the classification criteria are not met. Not classified LC50 (fish) mg/l; 20.5 ECHA registration dossier
12.2 Persistence and degradability	Hydrochloric acid	Based upon the available data, the classification criteria are not met. Study technically not feasible. Source: ECHA registration dossier for hydrochloric acid
12.3 Bioaccumulative potential	Hydrochloric acid	Based upon the available data, the classification criteria are not met. In the aquatic environment, the effects of HCl are clearly related to the pH effect, as HCl will dissociate fully in H3O+ & Cl- ions, of which the latter is not a harmful substance. The substance cannot be measured accurately in the body since chlorine ions are already very abundant, and excretion of chlorine via the urine/faeces is high. Therefore, this study is considered scientifically unjustified for this substance. Source: ECHA registration dossier for hydrochloric acid
12.4 Mobility in soil	hydrochloric acid	Based upon the available data, the classification criteria are not met. 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

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 UN number or ID number	ADR/RID UN 1789	ADN UN 1789	IMDG UN 1789	IATA/ICAO UN 1789
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14.2	UN proper shipping name	HYDROCHLORIC ACID	HYDROCHLORIC ACID	HYDROCHLORIC ACID	HYDROCHLORIC ACID
14.3	Transport hazard class(es)	8	8	8	8
14.4	Packing group	II	II	II	II
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
Substance(s) of Very High Concern (SVHCs)

Not restricted

This product does not contain any known "substances of very high concern" (SVHC's)

Seveso Directive (2012/18/EU)
To follow:

Hydrochloric acid; Annex I – Part 2 (Named dangerous substances)

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).

Existing ECHA registration(s) for hydrochloric acid. (CAS No. 7647-01-0)

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. The retained CLP Regulation (EU) No 1272/2008	Classification procedure
Skin Corr. 1B; H314	Threshold Calculation
Eye Dam. 1; H318	Threshold Calculation
STOT SE 3; H335	Threshold limit

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

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Hazard classification / Classification code:

Skin Corr. 1B; Skin corrosion/irritation, Category 1B
Skin Irrit. 2; Skin corrosion/irritation, Category 2
Eye Dam. 1; Eye damage, category 1
Eye Irrit. 2; Eye Irritation, Category 2
STOT SE 3; Specific Target Organ Toxicity — Single Exposure,
Category 3

Hazard Statement(s)

H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H335: May cause respiratory 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.