

SAFETY DATA SHEET

ALPHACHEM BRICK AND PATIO CLEANER

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



Date of issue: 16.03.22
Version 2.0

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

1.1 Product Identifier

Product Name AlphaChem Brick and Pation Cleaner
Product Code X3BP5
Unique Formula Identifier (UFI) 74P0-P0M8-A00P-J37P
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. An acid solution for removal of cement and mortar staining from brick tiles and patios.
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
Telephone 01977 663133
E-mail (competent person) sales@cromar.uk.com

Distributed in the EU Cromar Ireland
133 Butterfield Park
Rathfarnham,
Dublin 14, D14AE22
Ireland
Telephone 00353 87 2528476
E-mail 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)

Skin Irrit. 2; H315
Eye Irrit. 2; H319
STOT SE 3; H335

2.2 Label elements

Product name According to Regulation (EC) No. 1272/2008 (CLP)
Brick and Patio Cleaner
Contains: Not applicable

SAFETY DATA SHEET

ALPHACHEM BRICK AND PATIO CLEANER

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

Hazard Pictogram(s)



Signal Word(s)

Warning

Hazard Statement(s)

H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.

Precautionary Statement(s)

P264: Wash hands and exposed skin thoroughly after handling.
P280: Wear protective gloves/protective clothing and eye/face protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
P362+P364: Take off contaminated clothing and wash it before reuse.
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)
Hydrochloric acid	10 - 15	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

Ensure adequate ventilation. Avoid breathing vapours. Avoid all contact. Contaminated clothing should be laundered before reuse.

SAFETY DATA SHEET

ALPHACHEM BRICK AND PATIO CLEANER

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



Date of issue: 16.03.22
Version 2.0

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. May cause respiratory irritation.
4.3 Indication of any immediate medical attention and special treatment needed	Treat symptomatically.

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. Avoid breathing vapours. Avoid all contact. 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. Avoid breathing vapours. 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. Wash contaminated clothing before reuse. 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.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

SAFETY DATA SHEET

ALPHACHEM BRICK AND PATIO CLEANER

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

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).

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. 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 (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.

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
Odour	Acidic
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	102 °C
Flammability	Not flammable

SAFETY DATA SHEET

ALPHACHEM BRICK AND PATIO CLEANER

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



Date of issue: 16.03.22
Version 2.0

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	4
Kinematic viscosity	No data available
Solubility	Soluble in: Water
Partition coefficient: n-octanol/water (log value)	No data available
Vapour pressure	No data available
Density and/or relative density	1,08
Relative vapour density	1,05 g/cm ³
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 - Inhalation	Mixture: Based upon the available data, the classification criteria are not met.
Acute toxicity - Skin contact	Acute Toxicity Estimate Mixture Calculation: Estimated LC50 (rat) mg/L > 8
Skin corrosion/irritation	Mixture: Based upon the available data, the classification criteria are not met. Mixture: Skin Irrit. 2; H315: Causes skin irritation.
	Hydrochloric acid Skin Irrit. 2; H315: Causes skin irritation. Skin Irrit. 2; H315: 10 % ≤ C < 25 % Source: ECHA Harmonised Classification
Serious eye damage/irritation	Mixture: Eye Irrit. 2; H319: Causes serious eye irritation.
	Hydrochloric acid 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	Mixture: STOT SE 3; H335: May cause respiratory irritation.
	Hydrochloric acid STOT SE 3; H335: May cause respiratory irritation. STOT SE 3; H335: C ≥ 10 % Source: ECHA Harmonised Classification
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

SAFETY DATA SHEET

ALPHACHEM BRICK AND PATIO CLEANER

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



Date of issue: 16.03.22
Version 2.0

12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity		Mixture: Based upon the available data, the classification criteria are not met. Hydrochloric acid LC50 (fish) mg/l; 20.5 ECHA registration dossier
12.2	Persistence and degradability		Based upon the available data, the classification criteria are not met. Hydrochloric acid Study technically not feasible.
12.3	Bioaccumulative potential		Source: ECHA registration dossier for hydrochloric acid Based upon the available data, the classification criteria are not met. Hydrochloric acid In the aquatic environment, the effects of HCl are clearly related to the pH effect, as HCl will dissociate fully in H ₃ O ⁺ & 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		Based upon the available data, the classification criteria are not met. Hydrochloric acid 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: HP4 (Irritant — skin irritation and eye damage)
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14. SECTION 14: TRANSPORT INFORMATION

	ADR/RID	ADN	IMDG	IATA/ICAO
14.1	UN number or ID number	UN 1789	UN 1789	UN 1789
14.2	UN proper shipping name	HYDROCHLORIC ACID	HYDROCHLORIC ACID	HYDROCHLORIC ACID
14.3	Transport hazard class(es)	8	8	8
14.4	Packing group	II	II	II
14.5	Environmental hazards	Not classified	Not classified	Not classified as a Marine Pollutant.
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)
	Seveso Directive (2012/18/EU)	Hydrochloric acid; Annex I – Part 2 (Named 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

SAFETY DATA SHEET

ALPHACHEM BRICK AND PATIO CLEANER

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



Date of issue: 16.03.22
Version 2.0

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 Hydrochloric acid (CAS No. 7647-01-0)
Existing ECHA registration(s) for Hydrochloric acid 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, as amended for Great Britain	Classification procedure
Skin Irrit. 2; H315	Additivity Method
Eye Irrit. 2; H319	Additivity Method
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

Hazard classification / Classification code:

Skin Corr. 1B; Skin corrosion/irritation, Category 1B
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)

H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
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.