

# SAFETY DATA SHEET

## ALPHACHEM BRICK AND PATIO CLEANER

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



Date of issue: 16.03.2022  
Version 1.0

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

<b>1.1 Product identifier</b>		
Product Name	AlphaChem Brick and Patio Cleaner	
Product Code	X3BP5	
Unique Formula Identifier (UFI)	74P0-P0M8-A00P-J37P	
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. An acid solution for removal of cement and mortar staining from brick tiles and patios.	
Uses advised against	Anything other than the above.	
<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	
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 STOT SE 3; H335	
<b>2.2 Label elements</b>		
Product name	The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain Brick and Patio Cleaner	
Contains:	Not applicable	
Hazard Pictogram(s)		
Signal Word(s)	Warning	
Hazard Statement(s)	H315: Causes skin irritation. H319: Causes serious eye irritation. H335: May cause respiratory irritation.	

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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

### 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
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

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

Inhalation

Skin contact

Eye contact

Ingestion

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

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.

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.

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.

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.

### 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.

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- 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.

### 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** Adsorb 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. 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.

### 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
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

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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.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on basic physical and chemical properties**

Appearance	Liquid
Odour	Acidic
Odour threshold	No data available
pH	4
Melting point/freezing point	No data available
Initial boiling point and boiling range	102 °C
Flash point	No data available
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	1,05 g/cm <sup>3</sup>
Relative density	1,08
Solubility(ies)	Soluble in: Water
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

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### 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.

### 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 - Inhalation	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: Estimated LC50 (rat) mg/L > 8
	Acute toxicity - Skin contact	Mixture: Based upon the available data, the classification criteria are not met.
	Skin corrosion/irritation	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	Other information	None Known

### 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. Source: ECHA registration dossier for hydrochloric acid
12.3	Bioaccumulative potential	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 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	Based upon the available data, the classification criteria are not met.
		Hydrochloric acid No information available.

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12.5	Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6	Other adverse effects	None Known

### SECTION 13: DISPOSAL CONSIDERATIONS

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

### SECTION 14: TRANSPORT INFORMATION

	ADR/RID	IMDG	IATA/ICAO
14.1	UN number	UN 1789	UN 1789
14.2	UN proper shipping name	HYDROCHLORIC ACID	HYDROCHLORIC ACID
14.3	Transport hazard class(es)	8	8
14.4	Packing group	II	II
14.6	Special precautions for user	See Section: 2	
14.7	Transport in bulk according to Annex II of Marpol and the IBC Code	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	Hydrochloric acid : 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 Hydrochloric acid (CAS No. 7647-01-0)  
Existing ECHA registration(s) for Hydrochloric acid 7647-01-0

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
STOT SE 3; H335	Threshold limit

#### 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

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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.  
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.