

SAFETY DATA SHEET BRICK CLEANER

According to Regulation (EC) No 1907/2006

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME BRICK CLEANER
 PRODUCT NO. 2577
 APPLICATION General chemical reagent
 SUPPLIER Reagent Chemical Services
 18 Aston Fields Road
 Whitehouse Industrial Estate
 Runcorn
 Cheshire WA7 3DL
 T: 01928 716903
 F: 01928 716425
 E: info@reagent.co.uk
 EMERGENCY TELEPHONE Emergency Telephone : +44 (0) 1928 716903 Between 08.30 - 17.00

2 HAZARDS IDENTIFICATION

Irritating to respiratory system. Causes burns.

CLASSIFICATION C;R34. Xi;R37.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
HYDROCHLORIC ACID ...%	231-595-7	7647-01-0	10-30%	C;R34 Xi;R37
SURFAC OS38		68439-57-6	1-5%	Xi;R36/38.

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

GENERAL INFORMATION

CAUTION! First aid personnel must be aware of own risk during rescue! First aid personnel must protect themselves with all necessary personal protective equipment during the assistance of casualties. When breathing is difficult, properly trained personnel may assist the casualty by administering oxygen. If casualty needs to be resuscitated avoid mouth to mouth contact, use a mechanical device such as a bag and mask to provide artificial respiration. Place unconscious person on the side in the recovery position and ensure breathing can take place. Never give anything by mouth to an unconscious person. If medical attention is required take this information sheet with the casualty.

INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

INGESTION

Do not induce vomiting. Immediately rinse mouth and drink plenty of water. Get medical attention immediately!

SKIN CONTACT

Immediately remove contaminated clothing and wash before re-use. Rinse the skin immediately with lots of water. Get medical attention immediately.

EYE CONTACT

May cause permanent damage if eye is not immediately irrigated. Promptly wash eyes with plenty of water or eye wash solution while lifting the eyelids. If possible remove any contact lenses and continue to wash. Get medical attention immediately.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

SPECIFIC HAZARDS

In case of fire corrosive vapours may be formed. Hydrogen chloride (HCl).

BRICK CLEANER

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

SPILL CLEAN UP METHODS

Small Spillages Neutralise with soda-ash. Large Spillages Dam and absorb spillages with sand, earth or other inert, non-combustible material. Collect spillage in sealable containers. Neutralise with aqueous soda ash slurry (CAUTION - VIGOROUS REACTION, HEAT GENERATED) and leave for 24 hours before sealing tightly. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Wash thoroughly after dealing with a spillage. Dispose of waste according to local regulations.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid inhalation of vapours/spray and contact with skin and eyes.

STORAGE PRECAUTIONS

Store in closed original container at temperatures between 15°C and 25°C. Store away from direct sunlight and moisture

STORAGE CLASS

Corrosive storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
HYDROCHLORIC ACID ...%	WEL	1 ppm	2 mg/m ³	5 ppm	8 mg/m ³	

WEL = Workplace Exposure Limit.

ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded. Work in fume cupboard.

RESPIRATORY EQUIPMENT

Wear suitable respiratory protection when vapours or mists are generated and there is inadequate ventilation or extraction.

HAND PROTECTION

Use full-length gloves. Rubber or plastic Be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination. Provide eyewash station and safety shower. If there is a risk of splashing then wear a face shield.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid	MELTING POINT (°C)	About -40
COLOUR	Colourless	pH-VALUE, CONC. SOLUTION	<1
ODOUR	Pungent		
SOLUBILITY	Miscible with water.		
BOILING POINT (°C)	About 85		
RELATIVE DENSITY	1.1 - 1.2		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

BRICK CLEANER**MATERIALS TO AVOID**

Amines. Inorganic hydrides. Alkali metals. Alkali earth metals. Metals. Strong oxidising substances. Strong alkalis. Aldehydes. Aluminium. Fluorine Sulphides

HAZARDOUS DECOMPOSITION PRODUCTS

Contact with metals may form hydrogen gas. (Risk of explosion)

11 TOXICOLOGICAL INFORMATION**INHALATION**

Irritating to respiratory system.

INGESTION

Corrosive. Even small amounts may cause serious damage. Causes burns to the mouth, throat, oesophagus and gastrointestinal tract.

SKIN CONTACT

Causes burns.

EYE CONTACT

Strongly corrosive. Causes severe burns and serious eye damage. Immediate first aid is imperative.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms. The product contains a substance which is harmful to aquatic organisms.

ACUTE FISH TOXICITY

Lethal from 25 mg/l (Hydrochloric acid)

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

UK ROAD CLASS	8		
PROPER SHIPPING NAME	HYDROCHLORIC ACID		
UN NO. ROAD	1789	UK ROAD PACK GR.	II
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	II	ADR LABEL NO.	8
HAZCHEM CODE	2R	CEFIC TEC(R) NO.	80GC1-II+III
RID CLASS NO.	8	RID PACK GROUP	II
UN NO. SEA	1789	IMDG CLASS	8
IMDG PAGE NO.	8	IMDG PACK GR.	II
EMS	F-A, S-B	MFAG	See Guide
MARINE POLLUTANT	No.	UN NO. AIR	1789
AIR CLASS	8	AIR PACK GR.	II

15 REGULATORY INFORMATION**LABELLING**

Corrosive

BRICK CLEANER

CONTAINS HYDROCHLORIC ACID 26%

RISK PHRASES

- R34 Causes burns.
- R37 Irritating to respiratory system.

SAFETY PHRASES

- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
- S51 Use only in well-ventilated areas.
- S24/25 Avoid contact with skin and eyes.
- S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
- S60 This material and its container must be disposed of as hazardous waste.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. COSHH essentials: Easy steps to control chemicals. Control of Substances Hazardous to Health Regulations.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

NATIONAL REGULATIONS

Control of Substances Hazardous to Health Regulations 2002 (as amended)

16 OTHER INFORMATION

REVISION COMMENTS

This is first issue.

REVISION DATE 03/03/2009

REV. NO./REPL. SDS GENERATED 1

SDS NO. 11432

SAFETY DATA SHEET STATUS

Approved.

RISK PHRASES IN FULL

- R34 Causes burns.
- R36/38 Irritating to eyes and skin.
- R37 Irritating to respiratory system.