

# SAFETY DATA SHEET

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

Product Name: **FOSROC ACID ETCH**

Application: Cement and concrete remover.

Company: **Fosroc Limited**

Address: Coleshill Road, Tamworth, Staffordshire. B78 3TL

Telephone: 01827 262222 (Out of Hours) 01827 265279 Fax: 01827 262444

## 2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition: hydrochloric acid, inhibitor, pigment, water.

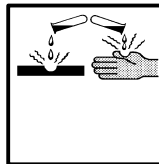
Hazardous Ingredient(s)	Symbol	Risk Phrases	Other Information	%
hydrochloric acid 31%	C	R34, 37	Cas No: 7647-01-0	>50

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances) or ELINCS (European List of New Chemical Substances) or are exempt.

Refer to Section 8 for Occupational Exposure Limits.

## 3: HAZARDS IDENTIFICATION

Causes burns.  
Irritating to respiratory system.



CORROSIVE

## 4: FIRST AID MEASURES

**Eyes:** Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention urgently.

**Skin:** Wash immediately with copious quantities of water. Remove contaminated clothing immediately. Obtain medical attention urgently.

**Inhalation:** Remove from exposure, rest and keep warm and obtain medical attention urgently.

**Ingestion:** Wash out mouth with water and give sips of cold water to soothe the affected parts. Do NOT induce vomiting. Obtain medical attention urgently.

## 5: FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** None, not flammable.

**Special Exposure Hazards:** Acidic fumes. Chlorine compounds including hydrogen chloride.

**Special Protective Equipment:** Self-contained breathing apparatus.

## 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear rubber boots in addition to the recommended protective clothing.

**Environmental Precautions:** Prevent entry into drains, sewers and water courses.

**Decontamination Procedures:** Soak up with inert absorbent or contain and remove by best available means. Clean contaminated area with water. Prior consent must be obtained from the local Water Company if discharged to sewer.

## 7: HANDLING AND STORAGE

**Handling:** Ensure adequate ventilation. Handle and open containers with care. Avoid skin and eye contact. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage: Store in cool, dry area. Store away from alkalis. Store only in hazard labelled containers

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## 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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Occupational Exposure Limits:-

Substance	8 Hour TWA	STEL	Source/Other Information
hydrogen chloride	- - - -	7.6 mgm <sup>-3</sup>	EH40

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Engineering Control Measures: Use only in well ventilated areas. Local exhaust ventilation is recommended.

Personal Protective Equipment: In case of insufficient ventilation wear suitable respiratory equipment. Impervious gloves (eg butyl rubber). Goggles. Plastic apron and overalls. Wear impervious, chemical resistant boots. Change contaminated clothing immediately and clean before re-use.

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## 9: PHYSICAL AND CHEMICAL PROPERTIES

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Physical State:	Liquid.
Colour:	Blue / Green.
Odour:	Pungent.
pH(concentrate):	2.5
Boiling Point/Range (°C):	100
Flash Point (closed, °C):	None.
Autoflammability (°C):	Not applicable.
Explosive Properties (%):	Not determined.
Vapour Pressure (kPa at 20°C):	~15
Relative Density (at 20°C):	1.08
Water Solubility:	Soluble

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## 10: STABILITY AND REACTIVITY

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Stability:	Stable
Conditions to Avoid:	None known
Materials to Avoid:	Strong alkalis. May react violently with materials such as sodium, potassium and barium, particularly if finely divided.

Hazardous Decomposition Products: Chlorine compounds including hydrogen chloride.

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## 11: TOXICOLOGICAL INFORMATION

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The following toxicological assessment is based on a knowledge of the toxicity of the product's components:  
Oral LD50, rat 900mg/kg.

### Health Effects

On Eyes:	Causes irreversible damage to eye tissue if not removed promptly. Vapour causes irritation.
On Skin:	Corrosive - causes burns.
By Inhalation:	Mist and vapours may cause irritation to nose and respiratory tract.
By Ingestion:	Corrosive - causes severe damage to mouth, throat and digestive tract.
Chronic:	Prolonged exposure can cause chemical pneumonitis, pulmonary edema. Effects may be delayed.

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## 12: ECOLOGICAL INFORMATION

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Environmental Assessment:	When used and disposed of as intended, no adverse environmental effects are foreseen.
Mobility:	Mobile liquid. Soluble in water.
Persistence and Degradability:	Not known.
Bioaccumulative Potential:	Not expected to be bioaccumulative.
Ecotoxicity:	Expected to be ecotoxic to fish/daphnia/algae.

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## 13: DISPOSAL CONSIDERATIONS

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Disposal must be in accordance with local and national legislation.

Unused Product: Classified as a special waste. Dispose of through an authorised waste contractor to a licensed site.

Used/Contaminated Product: As for Unused product.

Packaging: Must be disposed of through an authorised waste contractor.

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## 14: TRANSPORT INFORMATION

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UN Number: 1789

IMO: Class: 8 Packing Group: II Marine Pollutant: No

IATA/ICAO: Class: 8 Packing Group: II

ADR: Class: 8 Item: 5(b)

Transport Name: Hydrochloric acid, solution.

Hazchem/Kemler Code: 2R / 80

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## 15: REGULATORY INFORMATION

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### Hazard Label Data:-

Named Ingredients: hydrochloric acid 17.5%

UN Number: 1789

Symbol(s): C

Risk Phrases: Causes burns.  
Irritating to respiratory system.

Safety Phrases: Keep out of reach of children.  
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Wear suitable protective clothing, gloves and eye/face protection.  
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

EC Directives: Dangerous Substances Directive, 67/548/EEC and adaptations.  
Dangerous Preparations Directive, 88/379/EEC.  
Safety Data Sheets Directive, 91/155/EEC.

Statutory Instruments: Health & Safety at Work, etc. Act 1974.  
Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regs. 1996 (SI 1092).  
Control of Substances Hazardous to Health Regs. 1994 (SI 3246).  
The Special Waste Regulations 1996 (SI 972).

Codes of Practice: Waste Management. The Duty of Care.

Guidance Notes: Occupational exposure limits (EH 40).

The above publications are available from HMSO

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## 16: OTHER INFORMATION

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The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. The product should not be used other than for the stated application or applications without seeking advice from Fosroc Ltd.

If this product has been purchased for supply to a third party for use at work, it is the purchaser's duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

It is the responsibility and duty of the employer to inform employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken.

This sheet does not constitute or substitute for the users own assessment of workplace risk, as required by other health and safety legislation.

Further copies of this Safety Data Sheet may be obtained from Fosroc Limited.

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SDS Reference: 0097/3 ACID ETCH

### REVISION

Supersedes issue no: 02 dated: 30.09.96

Sections updated/revised - no(s): 1, 8..