

SAFETY DATA SHEET FOSROC ACID ETCH

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

PRODUCT NAME FOSROC ACID ETCH
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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	30-60%	C;R34 Xi;R37

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

4 FIRST-AID MEASURES

INHALATION

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

INGESTION

Wash out mouth with water. Do NOT induce vomiting. Obtain medical attention.

SKIN CONTACT

Wash immediately with copious quantities of water. Remove contaminated clothing immediately. Obtain medical advice if skin orders develop.

EYE CONTACT

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

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

This product is not flammable.

SPECIFIC HAZARDS

Acid fumes. Chlorine compounds including hydrogen chloride.

PROTECTIVE MEASURES IN FIRE

Self-contained breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear rubber boots in addition to the recommended protective clothing.

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ENVIRONMENTAL PRECAUTIONS

Prevent entry into drains, sewers and water courses.

SPILL CLEAN UP METHODS

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

USAGE PRECAUTIONS

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

STORAGE PRECAUTIONS

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

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
HYDROCHLORIC ACID ...%	WEL	1 ppm	2 mg/m3	5 ppm	8 mg/m3	

WEL = Workplace Exposure Limit.

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Use only in well ventilated areas. Local exhaust ventilation is recommended.

PERSONAL PROTECTION

In case of insufficient ventilation wear suitable respiratory equipment. (Class 1 respirator CE marked to EN 140, with EN 141/143 Type A1 filter). Impervious gloves (eg PVC). Safety glasses (Conforming to EN 166).

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Blue green		
ODOUR	Pungent		
SOLUBILITY	Soluble in water		
BOILING POINT (°C)	100	RELATIVE DENSITY	1.08
VAPOUR PRESSURE	~ 15 kPa 20	pH-VALUE, CONC. SOLUTION	2.5

10 STABILITY AND REACTIVITY

STABILITY

Stable.

CONDITIONS TO AVOID

Not 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.

11 TOXICOLOGICAL INFORMATION

INHALATION

Mist and vapours may cause irritation to nose and respiratory tract.

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INGESTION

Corrosive - causes severe damage to mouth, throat and digestive tract.

SKIN CONTACT

Corrosive- causes burns.

EYE CONTACT

Causes irreversible damage to eye tissue if not removed promptly. Vapour causes irritation.

SPECIFIC EFFECTS

Prolonged exposure can cause chemical pneumonia, pulmonary edema. Effects may be delayed.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Expected to be ecotoxic to fish/daphnia/algae.

MOBILITY

Mobile liquid. Soluble in water.

BIOACCUMULATION

Not expected to be bioaccumulative

DEGRADABILITY

Not known.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Disposal must be in accordance with local and national legislation.

WASTE CLASS 06 01 02

14 TRANSPORT INFORMATION

PROPER SHIPPING NAME	Hydrochloric acid, solution.		
UN NO. ROAD	1789	ADR CLASS NO.	8
IMDG CLASS	8	IMDG PACK GR.	II
MARINE POLLUTANT	No.	AIR CLASS	8
AIR PACK GR.	II		

15 REGULATORY INFORMATION

LABELLING



Corrosive

CONTAINS HYDROCHLORIC ACID 51%

RISK PHRASES

R34 Causes burns.
R37 Irritating to respiratory system.

SAFETY PHRASES

S1/2 Keep locked up and out of the reach of children.
S20 When using do not eat or drink.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of .. (to be specified by the manufacturer)

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S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S46	If swallowed, seek medical advice immediately and show this container or label.
S51	Use only in well-ventilated areas.
S56	Dispose of this material and its container to hazardous or special waste collection point.
S64	If swallowed, rinse mouth with water (only if the person is conscious).

EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC.

Dangerous Preparations Directive 1999/45/EC.

Safety Data Sheets Directive, 91/155/EEC.

STATUTORY INSTRUMENTS

Health & Safety at Work, etc. Act 1974.

Chemicals (Hazard Information and Packaging) Regulations.

Control of Substances Hazardous to Health.

The Special Waste Regulations 1996 (SI 972).

APPROVED CODE OF PRACTICE

Waste Management. The Duty of Care.

GUIDANCE NOTES

Occupational skin diseases: health and safety precautions (EH 26).

16 OTHER INFORMATION

GENERAL INFORMATION

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 a 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.

DATE 17/02/2010

RISK PHRASES IN FULL

R34 Causes burns.

R37 Irritating to respiratory system.