



SAFETY DATA SHEET ACID ETCH FOR FLOORS

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME ACID ETCH FOR FLOORS
 PRODUCT NO. 101/W101/1
 APPLICATION Etchant / cleaner.
 SUPPLIER COO-VAR
 Lockwood Street
 Hull
 HU2 0HN
 01482 328053
 01482 219266
 info@coo-var.co.uk
 CONTACT PERSON as above

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
HYDROCHLORIC ACID 100%	231-595-7	7647-01-0	10-30%	C;R34 Xi;R37
Primary Alcohol Ethoxylate		68439-45-2	1-5%	Xn;R22. Xi;R41.

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

3 HAZARDS IDENTIFICATION

Irritating to eyes, respiratory system and skin.

CLASSIFICATION Xi;R36/37/38.

4 FIRST-AID MEASURES

GENERAL INFORMATION

General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious.

INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues. Place unconscious person on the side in the recovery position and ensure breathing. Consult a physician for specific advice.

INGESTION

Rinse nose, mouth and throat with water. Consult a physician for specific advice.

SKIN CONTACT

Remove affected person from source of contamination. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Consult a physician for specific advice.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray should be used to cool containers.

ACID ETCH FOR FLOORS

SPECIFIC HAZARDS

By heating and fire, toxic vapours/gases may be formed.

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

Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent escape of liquid.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground. Contain spillages using bunding.

SPILL CLEAN UP METHODS

Should be prevented from entering drains. Absorb in vermiculite, dry sand or earth and place into containers. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Avoid forming spray/aerosol mists. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Do not use in confined spaces without adequate ventilation and/or respirator. Observe workplace exposure limits and minimise the risk of inhalation of vapours and mist. Do not eat, drink or smoke when using the product. The Manual Handling Operations Regulations may apply to the handling of containers of this product. To assist employers, the following method of calculating the weight for any pack size is given. Take the pack size volume in litres and multiply this figure by the specific gravity value given in section 9. This will give the net weight of the coating in kilograms. Allowance will then have to be made for the immediate packaging to give an approximate gross weight.

STORAGE PRECAUTIONS

Keep upright. Store in tightly closed original container in a cool, dry well-ventilated place.

STORAGE CLASS

Acid reactive storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
HYDROCHLORIC ACID 100%	OES				7.6 mg/m3

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

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

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

OTHER PROTECTION

Wear appropriate clothing to prevent reasonably probable skin contact.

ACID ETCH FOR FLOORS**HYGIENE MEASURES**

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Thin Clear liquid		
COLOUR	Red Brown		
ODOUR	Characteristic Acidic.		
SOLUBILITY	Soluble in water		
RELATIVE DENSITY	1.1 @ 20 C	pH-VALUE, CONC. SOLUTION	<2
VISCOSITY	non-viscous	FLASH POINT (°C)	70 CC (Closed cup).

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid heat. Toxic chlorine gas produced by contact with sodium hypochlorite

MATERIALS TO AVOID

Oxydising agents and strongly acidic materials.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire or high temperatures create: Vapours/gases/fumes of: Hydrogen chloride (HCl).

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 01824700 - >200<2000 mg/kg (oral rat)

INHALATION

Vapour from this chemical can be hazardous when inhaled. Vapour may irritate respiratory system or lungs.

INGESTION

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

SKIN CONTACT

Strongly irritating. Prolonged contact may cause burns.

EYE CONTACT

Irritating to eyes.

HEALTH WARNINGS

This chemical may cause skin/eye irritation.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

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

MOBILITY

Readily absorbed into soil.

BIOACCUMULATION

The product is not bioaccumulating.

DEGRADABILITY

The product is biodegradable.

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

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

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WASTE CLASS

Neutralised empty packages, are categorised as non-hazardous waste, with code 15 01 02(plastic packaging) or 15 01 04 (metal packaging)

14 TRANSPORT INFORMATION

UK ROAD CLASS	8		
PROPER SHIPPING NAME	HYDROCHLORIC ACID		
ROAD TRANSPORT NOTES	Avoid releasing to the environment.		
RAIL TRANSPORT NOTES	Avoid releasing to the environment.		
SEA TRANSPORT NOTES	Do not release into the environment.		
UN NO. ROAD	1789	UK ROAD PACK GR.	III
ADR CLASS NO.	1789	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	III	HAZARD NO. (ADR)	80 Corrosive or slightly corrosive substance.
	80	ADR LABEL NO.	8
HAZCHEM CODE	Cl	UN NO. SEA	1789
IMDG CLASS	8	IMDG PACK GR.	III
EMS	8-03	MARINE POLLUTANT	No.
UN NO. AIR	1789	AIR CLASS	8
AIR SUB CLASS	Packing instructions: 819(P&CA);821(PAO)	AIR PACK GR.	III

15 REGULATORY INFORMATION

LABELLING



Irritant

RISK PHRASES

R36/37/38 Irritating to eyes, respiratory system and skin.

SAFETY PHRASES

S1/2 Keep locked up and out of the reach of children.
 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.
 S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 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).
 S23A Do not breathe gas/fumes/vapour/spray.

UK REGULATORY REFERENCES

Chemicals (Hazard Information & Packaging) Regulations. The Control of Substances Hazardous to Health Regulations 1988. Health and Safety at Work Act 1974.

ENVIRONMENTAL LISTING

Control of Pollution Act 1974. Rivers (Prevention of Pollution) Act 1961.

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EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EEC.

STATUTORY INSTRUMENTS

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

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply. Dangerous Substances and Explosive Atmospheres Regulations 2002 [L138]

GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40) Health and Safety at Work Act (As Amended) 1974 Control of Substances Hazardous to Health Regulations 2002 (as amended) The Carriage of Dangerous Goods and use of transportable pressure equipment regulations 2004. Dangerous Substances and Explosive Atmospheres Regulations 2002 [SI 2002: 2776] The Manual Handling Operations Regulations 1992 [SI 1992:2793]

16 OTHER INFORMATION

REVISION COMMENTS

Major revision (CHIP3) Revisions to sections: (1), (2), (3), (8), (14), (15), and (16) Revision for WEL(Workplace Exposure Limit) section 8.

ISSUED BY

Technical Dept. (P.E.)

REVISION DATE 05/05/2006

REV. NO./REPL. SDS GENERATED 2

SDS NO. 10622

SAFETY DATA SHEET STATUS

Approved.

DATE Date printed_____

SIGNATURE Initials_____

RISK PHRASES IN FULL

R22 Harmful if swallowed.
 R34 Causes burns.
 R37 Irritating to respiratory system.
 R41 Risk of serious damage to eyes.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.