



## SAFETY DATA SHEET 101/W101 - ACID ETCH FOR FLOORS

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

#### 1.1. Product identifier

Product name 101/W101 - ACID ETCH FOR FLOORS  
Product No. 101/W101/1

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Etchant / cleaner.

#### 1.3. Details of the supplier of the safety data sheet

Supplier COO-VAR  
Lockwood Street  
Hull  
HU2 0HN  
+44 (0) 1482 328053(T)  
+44 (0) 1482 219266(F)  
info@coo-var.co.uk  
Contact Person Technical Department - 08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri as above

#### 1.4. Emergency telephone number

+44 (0) 1482 328053 (08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Xi;R36/37/38.

#### 2.2. Label elements

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.

S29/56

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

S46

If swallowed, seek medical advice immediately and show this container or label.

S51

Use only in well-ventilated areas.

S64

If swallowed, rinse mouth with water (only if the person is conscious).

S36/37/39

Wear suitable protective clothing, gloves and eye/face protection.

**101/W101 - ACID ETCH FOR FLOORS****2.3. Other hazards****SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

HYDROCHLORIC ACID 100%		10-30%
CAS-No.: 7647-01-0	EC No.: 231-595-7	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Skin Corr. 1B - H314	C;R34	
STOT SE 3 - H335	Xi;R37	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**SECTION 4: FIRST AID MEASURES****4.1. Description of 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 can take place. 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.

**4.2. Most important symptoms and effects, both acute and delayed**

## General information

If adverse symptoms develop as described the casualty should be transferred to hospital as soon as possible.

## Inhalation

Irritation of nose, throat and airway.

## Ingestion

May cause chemical burns in mouth and throat.

## Skin contact

May cause serious chemical burns to the skin.

## Eye contact

Extreme irritation of eyes and mucous membranes, including burning and tearing.

**4.3. Indication of any immediate medical attention and special treatment needed**

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

**SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media**

## Extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media

Water spray.

**101/W101 - ACID ETCH FOR FLOORS****5.2. Special hazards arising from the substance or mixture**

Specific hazards

When heated and in case of fire, toxic vapours/gases may be formed.

**5.3. Advice for firefighters**

Special Fire Fighting Procedures

Water spray should be used to cool containers.

Protective equipment for fire-fighters

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

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

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.

**6.2. Environmental precautions**

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

**6.3. Methods and material for containment and cleaning up**

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.

**6.4. Reference to other sections**

For personal protection, see section 8.

**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

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 occupational 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.

**7.2. Conditions for safe storage, including any incompatibilities**

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

Storage Class

Acid reactive storage.

**7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
HYDROCHLORIC ACID 100%	OES				7.6 mg/m <sup>3</sup>	

**8.2. Exposure controls**

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## Protective equipment



## Engineering measures

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

## Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational 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.

## Hygiene measures

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

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

Appearance	Thin Clear liquid.
Colour	Red. Brown.
Odour	Characteristic. Acidic.
Solubility	Soluble in water.
Initial boiling point and boiling range (°C)	100 760 mm Hg
Relative density	1.05 @ 20 C
pH-Value, Conc. Solution	~1
Viscosity	non-viscous
Flash point (°C)	Not applicable.
Oxidising properties	Does not meet the criteria for oxidising.

**9.2. Other information**

Volatile By Vol. (%)	100
Volatile Organic Compound (VOC)	No information required.

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Reaction with: Alkalis. Reacts strongly with alkaline metals and metal powder.

**10.2. Chemical stability**

Stable under normal temperature conditions and recommended use.

**10.3. Possibility of hazardous reactions**

Hazardous Polymerisation  
Will not occur

**10.4. Conditions to avoid**

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

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### **10.5. Incompatible materials**

Materials To Avoid

Oxydising agents and strongly acidic materials.

### **10.6. Hazardous decomposition products**

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

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

Toxic Dose 1 - LD 50

PRIMARY ALCOHOL ETHOXYLATE - >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 and burns (corrosive).

Route of entry

Inhalation. Ingestion. Skin and/or eye contact.

## **SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity

The product is not expected to be hazardous to the environment.

### **12.1. Toxicity**

LC 50, 96 Hrs, Fish mg/l

PRIMARY ALCOHOL ETHOXYLATE 1-10mg/l

### **12.2. Persistence and degradability**

Degradability

The product is biodegradable.

### **12.3. Bioaccumulative potential**

Bioaccumulative potential

The product is not bioaccumulating.

### **12.4. Mobility in soil**

Mobility:

Readily absorbed into soil.

### **12.5. Results of PBT and vPvB assessment**

### **12.6. Other adverse effects**

Not determined.

**101/W101 - ACID ETCH FOR FLOORS****SECTION 13: DISPOSAL CONSIDERATIONS**

## General information

When handling waste, consideration should be made to the safety precautions applying to handling of the product. Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

**13.1. Waste treatment methods**

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

## Waste Class

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

**SECTION 14: TRANSPORT INFORMATION**

General This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG.

**14.1. UN number**

UN No. (ADR/RID/ADN)	1789
UN No. (IMDG)	1789
UN No. (ICAO)	1789

**14.2. UN proper shipping name**

Proper Shipping Name HYDROCHLORIC ACID (LESS THAN 25%)

**14.3. Transport hazard class(es)**

ADR/RID/ADN Class	1789
ADR/RID/ADN Class	Class 8: Corrosive substances.
ADR Label No.	8
IMDG Class	8
ICAO Class/Division	8
ICAO Subsidiary risk	Packing instructions: 819(P&CA);821(PAO)

## Transport Labels

**14.4. Packing group**

ADR/RID/ADN Packing group	III
IMDG Packing group	III

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant  
No.

**14.6. Special precautions for user**

EMS	8F-A, S-B
Emergency Action Code	CI
Hazard No. (ADR)	80

**101/W101 - ACID ETCH FOR FLOORS****14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

## Uk Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

## Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). 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).

## EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

## 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 2007 (CDG 2007). Dangerous Substances and Explosive Atmospheres Regulations 2002 [SI 2002: 2776] The Manual Handling Operations Regulations 1992 [SI 1992:2793]

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

## Revision Comments

Issued in new format for Reach compliance in accordance with EC 1272/2008 Issued in accordance with Annex II to REACH, as amended by Commission Regulation (EU) No. 453/2010

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Signature Initials \_\_\_\_\_

## Risk Phrases In Full

R34 Causes burns.

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

R37 Irritating to respiratory system.

## Hazard Statements In Full

H319 Causes serious eye irritation.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H335 May cause respiratory irritation.

## 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.