

MSDS - Concrete Etch & Clean Solution

Identification of the substance / preparation / company:

Product is Concrete Etch & Clean Solution

Company: Concrete Lab Ltd, C3 Station Approach Industrial Estate, Penarth, CF64 3EE

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Hazards Identification

H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation.

Ingredients

Acidic surface cleaner. Contains Hydrochloric Acid, non-ionic surfactant, Phosphoric acid.

Hydrochloric Acid 10-30% CAS number: 7647-01-0 EC number: 231-595-7

Classification Skin Cor 1B H314. Eye Dam. 1 H318, STOT SE3 H335, Class 67/548/EEC or 1999/45/EC. C;R34 Xi;R37

Non-ionic Surfactant 5-10% CAS number 160901-19-9.

Classification Acute Tox 4 H302. Eye Dam 1 H318.

Phosphoric Acid 1-5% CAS number 7664-38-2. EC number 231-633-2

Classification Met. Corr 1 H290, Skin Cor 1B H314, Eye Dam 1 H318. Class 67/548/EEC or 1999/45/EC.

Medical Advice

Inhalation: If irritation occurs, move the patient to fresh air. Seek medical advice.

Skin: If skin contact occurs, immediately wash the affected area with soap and water.

Remove affected clothing. If irritation, soreness or other skin problems occur, seek medical advice.

Eyes: In the event of eye contact, irrigate the eyes quickly and thoroughly with plenty of clean water for at least 15 minutes. Seek medical advice without delay.

Ingestion: If swallowed, do not induce vomiting, but wash out the mouth, and give the patient 2 or 3 glasses of water to drink. Seek medical advice.

Fire Safety

Concrete Lab Etch&Clean is non flammable. No unusual fire or explosion risks noted.

Accidental Release

Wear protective clothing for skin and eyes - see below. Do not discharge into drains or ground. Spillages or uncontrolled discharge into water course should be notified to Environmental authorities. For cleaning up. Absorb in dry sand or earth and place into containers. Flush contaminated area with water.

Handling and Storage.

Wear protective clothing and avoid spillage at all times. Product should not be handled without gloves and goggles. Consider protective apron and boots. Nitrile rubber gloves recommended. Do not handle in confined un ventilated spaces without respiratory protection e.g mask.

Store in a cool, dry, dark place, well ventilated and store only in original container.

Exposure Controls:

Exposure Limits

Hydrochloric Acid:

Long-term exposure limit (8-hour TWA): WEL 1 ppm 2 mg/m³ gas and aerosol mists

Short-term exposure limit (15-minute): WEL 5 ppm 8 mg/m³ gas and aerosol mists

Phosphoric Acid:

Long-term exposure limit (8-hour TWA): WEL 1 mg/m³

Short-term exposure limit (15-minute): WEL 2 mg/m³

Take sensible precautions, wear protective clothing and pay attention to hygiene practices.

Physical Properties

Appearance: Yellow-white Liquid Odour: Acidic

pH concentrated solution - 2. Solubility: Soluble in water

Relative density 1.1 Flash point: Not applicable

Flammability: Not applicable Explosive limits: Not applicable

Stability / Reactivity

Stability: Stable at normal temperatures and when used as recommended.

Materials and conditions to avoid: Reacts with alkalis and generates heat. Avoid excessive heat. Avoid strong oxidising agents and strong alkalis.

Toxicology

Inhalation: Can cause irritation of mucous membranes and respiratory tract.

Skin: Contact with the skin will cause irritation.

Eyes: Can cause irritation and inflammation to the eyes. In severe cases, there is a risk of serious damage.

Ingestion: May cause irritation of the mouth, throat and gastrointestinal tract.

Environment

May be harmful to aquatic life in high concentrations.

Disposal:

Dispose of as controlled waste, and to local authority regulations.

Transportation:

UN number 1789. Shipping name CORROSIVE LIQUID ACIDIC, INORGANIC, N.O.S.

Contains Hydrochloric Acid and Phosphoric Acid.

Transport class / RID label 8. Packaging Group RID III

Tunnel restriction code E.

Regulatory Classification:

Classification for supply: Irritant

Risk phases: Irritant to skin. Risk of serious damage to eyes.

Safety phases: Wear suitable clothing to protect skin and eyes. In case of contact with the eyes, rinse immediately with water and seek medical advice.

Keep out of the reach of children.

Further information:

Contact the Concrete Lab Technical Department for further information.

info@concretelab.co.uk 0845 053 7124

Disclaimer

The physical properties quoted are typical, and should not be taken as a specification. The information supplied in our literature is based on data and experience and is given in good faith. Our policy is one of continuous research and development and we reserve the right to update this information at any time; customers should therefore ensure they have the latest issue. Whilst we guarantee the consistent high quality of our products, we have no control over the circumstances in which our materials are used, site conditions or the execution of the work and are therefore unable to accept any liability for any loss or damage which may arise as a result thereof. Materials are supplied in accordance with our standard conditions of sale.