



Clemas & Co Ltd

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Acid Cleaner

PRODUCT CODE: E1QAC

Product Description

A powerful cleaner based on hydrochloric acid together with inhibitors and synergists. Removes rust stains, cement residues, mortar residues, rust deposits, verdigris, urinal scale, plaster residues, lime residues, efflorescence and slime stains.

* Concentrated *Heavy Duty * Versatile

Directions

Mix 1 part of cleaner with 3 – 4 equal parts of water. Apply this solution by brush or cloth, and keep deposits thoroughly soaked for several minutes. For heavy deposits, a wire brush may be used. Small parts may be dipped into the solution. Rinse thoroughly with clean water after treatment. This material will affect acid sensitive materials e.g. nylon and some enamels. Not recommended for stainless steel. Do not mix with other products. Please refer to product data sheet before use.

Cautionary Notes:

Use only as directed.

Health and Safety

Product risk and safety phrases

R34 Causes burns

R37 Irritating to respiratory system

S36/37/39 Wear suitable clothing, gloves and eye/face protection

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 After contact with skin, wash immediately with plenty of water

S2 Keep out of reach of children

PRODUCT SAFETY DATA SHEET

IDENTIFICATION

Product Name: Acid Cleaner
Product Code: E1QAC
Supplier: Clemas & Company Limited
Unit 5 Ashchurch Business Centre
Alexandra Way
Tewkesbury, Glos GL20 8NB
Tel: 01684 850777
Fax: 01684 850707

COMPOSITION/INFORMATION INGREDIENTS

Hydrochloric acid	15-30%
Benzalkonium chloride	1-5%

HAZARDS IDENTIFICATION

CHIP CLASSIFICATION: Corrosive

EYE HAZARD: Causes burns

SKIN HAZARD: Causes burns

RESPIRATORY HAZARD: Irritating to respiratory system.

FLAMMABILITY HAZARD: Not combustible

OTHER HAZARDS: Contact with hypochlorite (bleach) liberates toxic chlorine gas.

FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with water, holding eyelids apart, for at least 10 minutes. Seek medical assistance immediately.

SKIN CONTACT: Remove contaminated clothing, wash skin with water and seek medical attention immediately.

INHALATION: In case of over exposure, remove to fresh air, keep warm and at rest, seek medical assistance immediately.

INGESTION: Do not induce vomiting. If conscious, give water to drink. Seek medical assistance immediately.

FIRE FIGHTING MEASURES: May produce acidic fumes in a fire.

ACCIDENTAL RELEASE: Small quantities, flush to foul sewer with a large quantity of water.

Large quantities, neutralize with soda ash and flush to foul sewer or transfer to suitable containers for disposal.

HANDLING & STORAGE: Store in a cool, dry place protected from frost and away from alkalis and strong oxidizing agents. Store upright in original containers.

EXPOSURE CONTROLS/PERSONAL PROTECTION

These measures are suggested on the basis of general use methods and may not be appropriate to all potential users of the product. The user responsible for carrying out a full risk assessment of their specific processes and systems of work.

EYE PROTECTION: Wear a full face visor to BS EN 166 39B

HAND PROTECTION: Wear pvc or latex gloves. Exact choice of glove depends on specific risk assessments.

BODY PROTECTION: As necessary to prevent contact.

RESPIRATORY PROTECTION: Use in well ventilated area. If high vapour concentrations are likely, fume extraction may be required.

PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Clear and colourless to yellow liquid

Odour: Sharp, acidic

pH: 1.4 1% in water (typical)

Boiling Point: 57 degrees celcius

Melting Point: Not applicable

Flash Point: Not applicable

Explosive Properties: Not applicable

Oxidising Agents: Not applicable

Vapour Pressure: 150 mbar at 20°C

Relative Density at 20°C: 1.138

Solubility: Miscible with water

Viscosity: Free flowing

STABILITY & REACTIVITY

Conditions avoid: Extremes of temperature. Contact with reactive metals liberates hydrogen gas.

Material to avoid: Incompatible with strong oxidising agents and alkalis. Do not mix with hypochlorite (bleach).

Hazardous decomposition products: None known

TOXICOLOGICAL INFORMATION

Eye Contact: May cause permanent damage

Skin Contact: Causes burns

Inhalation: Irritating to respiratory tract

Ingestion: Moderate toxicity, will cause irritation and damage to gastro-intestinal tract due to acidity.

Long Term: Based on current knowledge, no long term effects are anticipated if used correctly.

ECOLOGICAL INFORMATION

Water based product. All organic ingredients are biodegradable when well diluted. May affect aquatic organisms due to low PH if released into water courses untreated.

Volatile organic content: 0% w/w 0 g/l

DISPOSAL CONSIDERATIONS

Dispose of surplus product and packaging via a licenced chemical waste contractor.

TRANSPORT INFORMATION

Transport Classification: Corrosive.

UN number: 1760 Transport class: 8 Packing group: 3

REGULATORY INFORMATION

CHIP classification - corrosive

This product should be stored, handled and use in accordance with good industrial practice and in conformity with legal regulations. The information this data sheet is based on the present state of our knowledge and is intended to describe products from the point of view of safety requirements are thus should not be constructed as guaranteeing specific properties. It is for the users to satisfy themselves of the suitability of this product for their own applications.

J1ADF . Friday, May 14, 2010

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