

1. PRODUCT NAME: ACID REPLACEMENT CLEANER PRODUCT CODE: B129
PRODUCT DESCRIPTION: cleaner/descaler

SUPPLIER: **BIOSAFE SOLUTIONS LTD**
9 SPIERSBRIDGE TERRACE
THORNLIBANK INDUSTRIAL ESTATE, GLASGOW, G46 8JH
TEL: 0141 620 2550 FAX: 0141 620 1888
E-mail: info@biosafesolutions.co.uk

2. HAZARD IDENTIFICATION

Irritation to eyes and skin.

3. COMPOSITION/INFORMATION AND INGREDIENTS

| <u>Hazardous Ingredients:</u> | <u>CAS No:</u> | <u>% w/w(range):</u> | <u>Nature of Hazard:</u> |
|---|----------------|----------------------|--------------------------|
| Organic salt solution | 506-89-8 | 10 - 25 | Xi, R36/38. R22 |
| Alcohol ethoxylate | 68991-48-0 | <5 | Xi, R38, R41 |
| Other ingredients: surfactants, penetrants, water | | | |

4. FIRST AID MEASURES

Eyes: Irrigate thoroughly with water for at least 10 minutes. Obtain medical attention

Ingestion: DO NOT INDUCE VOMITING. Wash out mouth with water and give water to drink. Seek immediate medical attention.

Skin: Remove immediately all contaminated clothing. Drench skin with plenty of water. Seek medical attention

if irritation persists.

Inhalation: Remove from exposure, rest and keep warm. Seek medical attention if recovery is not rapid and complete.

5. FIRE FIGHTING MEASURES

Product is non flammable, but can decompose in event of fire producing toxic fumes. Use extinguisher suitable for cause of fire. Self contained breathing apparatus will be required.

6. ACCIDENTAL RELEASE MEASURES

Do not allow undiluted material to enter or water courses. Contain spillage, dilute greatly with water and flush away.

7. HANDLING AND STORAGE

Store only in original container in cool well ventilated place. Do not mix with any other chemicals. Avoid contact with skin and eyes.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Wear PVC or rubber gloves. Safety goggles to protect against liquid splashes recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance :Clear liquid, colourless

Odour :slight

pH: (1% aqueous): 2.2

Density @ 20oC: approx 1.06kg per litre

Flammability: Non flammable

Solubility: completely miscible in

water

10. STABILITY AND REACTIVITY

Product is stable in storage. Reacts with chlorine bleaches to liberate chlorine gas. Decomposes at temperatures above 110c

11. TOXICOLOGICAL INFORMATION

Eyes: severe irritation and watering.

Skin: Mild irritant

Ingestion : Stomach pains, irritation of mouth and throat. Low oral toxicity (LD50 >1200mg/kg, rat)

Inhalation: Irritation of upper respiratory tract results from high concentration of mist.

12. ECOLOGICAL INFORMATION

High mobility in soil. Does not bioaccumulate. The product is biodegradable. Low Ph of concentrate will damage aquatic life if discharged into watercourse without substantial dilution or neutralisation. Product is quickly degraded in waste water treatment plants.

13. DISPOSAL CONSIDERATIONS

Via authorised waste disposal contractor to an approved site, observing local and national regulations.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport.

15. REGULATORY INFORMATION

Classified under C.H.I.P. regulations as Xi.(irritant)

Risk phrases: R36/38: Irritating to eyes and skin.

Safety phrases: S2: keep out of reach of children.

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

S46: In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

16. OTHER INFORMATION

This product is normally used as a heavy duty cleaner/descaler for masonry, concrete, ceramic and certain metal surfaces. The responsibility remains with the user to ensure safe conditions of use in the workplace.

The full text of the R phrases appearing in section 2 is shown below. These are the classifications of the ingredients, in their concentrated form, which contribute to the overall classification of the product.

R22: Harmful if swallowed

R36/38: Irritating to eyes and skin.

R41: Risk of serious damage to eyes.