



Jangro Limited  
James House  
Worsley Road  
Farnworth  
Bolton  
BL4 9NL

Tel. 0845 458 5223

**JANGRO BC050**

Revision April 2004

## PRODUCT SAFETY DATA SHEET

### 1 IDENTIFICATION OF PREPARATION AND THE SUPPLIER

Trade Name: JANGRO TOILET DESCALER

Supplier: Jangro Limited, as above

### 2 INFORMATION ON INGREDIENTS

| Ingredient Name        | EINECS No. | CAS No.    | % Range | Symbol | Risk Phrase |
|------------------------|------------|------------|---------|--------|-------------|
| Hydrochloric Acid      | 231-595-7  | 7647-01-0  | 5-10%   | C      | 34,37       |
| Ethoxylated Oleylamine |            | 26635-93-8 | 1-5%    | C      | 22,34       |

The full text for all R-phrases are shown in section 16.

### 3 HAZARDS IDENTIFICATION

Irritating to eyes and skin

### 4 FIRST AID MEASURES

Eyes: Promptly wash eyes with plenty of water while lifting the eye lids.. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Skin: Wash the skin immediately with soap and water. Get medical attention if symptoms occur after washing

Ingestion: Do not induce vomiting! Drink a few glasses of water or milk. Get medical attention.

Inhalation: Not relevant. Inhalation unlikely.

### 5 FIRE FIGHTING MEASURES

Extinguishing Media: This material is not flammable. Use extinguishing media appropriate for surrounding fire.

Hazardous Decomposition Products: If involved in fire, may emit noxious fumes

Protective Measures in Fire: Protective clothing and respiratory protection should be worn when tackling fires involving this product.

### 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions During Spillage: Avoid contact with eyes. Avoid contact with skin.

Precautions to Protect Environment: Large spillages or uncontrolled discharge into rivers or streams must be reported to The Environment Agency or other regulatory body.

Spillage Cleanup Methods: Small quantities may be flushed to drains with plenty of water. Large spill: Absorb in vermiculite, dry sand or earth and place into containers. Send for disposal as special waste.

### 7 HANDLING AND STORAGE

Usage: Avoid contact with skin and eyes. DO NOT mix with other chemicals.

Storage: Store at moderate temperatures in dry, well ventilated area. Keep in original container. Store away from: Oxidising materials

**8 PERSONAL PROTECTION/EXPOSURE CONTROLS**

| <b>INGREDIENT NAME</b> | <b>CAS No</b> | <b>STD</b> | <b>LT EXP (8 hrs)</b> | <b>ST EXP (15 min)</b> |
|------------------------|---------------|------------|-----------------------|------------------------|
| Hydrochloric Acid      | 7647-01-0     | OES        | 1 ppm                 | 5 ppm                  |

INGREDIENT COMMENTS: OES = Occupational Exposure Standard  
Ventilation: N/A  
Respirators: N/A  
Protective Gloves: For prolonged or repeated skin contact the use of household rubber gloves is advisable  
Eye Protection: Eye protection recommended  
Other Protection: Wear appropriate clothing to prevent any possibility of skin contact.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance/ Colour: Liquid. Clear. Blue  
Odour: Violet  
Solubility Description: Soluble in water  
Boiling Pt. (°C): 100 @ 760mmHg  
Specific Gravity (Water=1): 1.038@ 20 °C  
Flash Pt. (°C): Boils without flashing  
Melting Point: (°C): 0  
pH-Value, Conc: 0.30

**10 STABILITY AND REACTIVITY**

Stability: No particular stability concerns.  
Stability: Concentrated alkaline materials. Chlorine releasing materials will liberate toxic chlorine gas.

**11 TOXICOLOGICAL INFORMATION**

Toxicological Information: Refer to section 3  
Other Health Effects: Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

**12 ECOLOGICAL INFORMATION**

Environmental Hazards: Potentially hazardous due to the acidity of the product  
Bio Accumulation: Completely soluble. No bioaccumulation.  
Degradability: This product, at use dilution, is readily broken down in biological effluent treatment plants

**13 DISPOSAL CONSIDERATIONS**

Disposal Method: Discharge used solutions to drain. Small amounts (less than 5 litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal by approved waste contractor. Consign empty container to normal waste.

**14 TRANSPORT INFORMATION**

Label for Conveyance:



Road:

|                         |   |                  |
|-------------------------|---|------------------|
| UN No:                  | 3264  |                  |
| Hazard Class (ADR):     | Class 8: Corrosive substances                                 | ADR PACK GR: III |
| Proper Shipping Name 1: | Corrosive Liquid, Basic, Inorganic, N.O.S (hydrochloric acid) |                  |

Rail:

|                          |                               |                  |
|--------------------------|-------------------------------|------------------|
| Rail Transport Class No: | Class 8: Corrosive substances | RID PACK GR: III |
|--------------------------|-------------------------------|------------------|

Sea:

|                         |                               |                  |
|-------------------------|-------------------------------|------------------|
| UN Sea:                 | 3264                          |                  |
| Sea Transport Class No: | Class 8: Corrosive substances | SEA PACK GR: III |

Air:

|                         |                               |                  |
|-------------------------|-------------------------------|------------------|
| UN Air:                 | 3264                          |                  |
| Air Transport Class No: | Class 8: Corrosive substances | AIR PACK GR: III |

**15 REGULATORY INFORMATION**

Label for Supply:



IRRITANT

|                 |         |  |
|-----------------|---------|--|
| Risk Phrases:   | R-36/38 | Irritating to eyes and skin  |
| Safety Phrases: | S-2     | Keep out of reach of children.   |
|                 | S-24/25 | Avoid contact with skin and eyes   |
|                 | S-26    | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice         |
|                 | S-46    | If swallowed seek medical advice immediately and show this container label.                          |
|                 | S-50A   | Do not mix with other chemicals especially chlorine releasing bleaches as toxic gas will be evolved. |

|                            |   |
|----------------------------|---|
| UK Environmental Listings: | Control of pollution (special waste) regulations 1980.  |
| EC Directives:             | Systems of specific information relating to Dangerous Preparation. 91/155   |
| Statutory Instruments:     | Chemicals (Hazards information and packaging) regulations.  |
| Approved Code of Practice: | The compilation of safety data sheets L130  |
| Guidance Notes:            | Occupational exposure limits EH40.<br>Approved guide to the classification and labelling of substances and preparations dangerous for supply. L100. |

**16 OTHER INFORMATION**

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. However, the information is provided without any warranty, express or implied regarding its correctness.

|                      |      |                                  |
|----------------------|------|----------------------------------|
| R-PHASES (Full Text) | R-22 | Harmful if swallowed             |
|                      | R-34 | Causes burns                     |
|                      | R-37 | Irritating to respiratory system |