



Jangro Limited  
James House  
Worsley Road  
Farnworth  
Bolton  
BL4 9NL

Tel. 0845 458 5223

## PRODUCT SAFETY DATA SHEET

### 1 IDENTIFICATION OF PREPARATION AND THE SUPPLIER

Product Name: JANGRO TOILET DESCALER  
Applications: Acidic descaling toilet cleaner and hard surface cleaner for washrooms  
Supplier: Jangro Limited, as above

Emergency Contact and Times:  
01772 318 818 Between: 8.30am and 4.45pm

### 2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	EC No.	CAS No.	Content	Classification
Hydrochloric Acid...%	231-595-7	7647-01-0	5-10%	C;R34 Xi;R37
Ethoxylated Oleylamine		26635-93-8	1-5%	Xn;R22 C;R34
Phosphoric Acid...%	231-633-2	7664-38-2	0-1%	C;R34

The full text for all R-Phrases is shown in section 16

### 3 HAZARDS IDENTIFICATION

Irritating to eyes and skin  
CLASSIFICATION: Xi;R36/38

### 4 FIRST AID MEASURES

Eye Contact: Promptly wash eyes with plenty of water while lifting the eyes lids. Continue to rinse for at least 15 minutes. Get medical attention if any medical attention continues.  
Skin Contact: Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.  
Inhalation: Not relevant. Inhalation unlikely.  
Ingestion: DO NOT INDUCE VOMITING! Drink a few glasses of water or milk. Get medical attention.

### 5 FIRE FIGHTING MEASURES

Extinguishing Media: This product is not flammable. Use extinguishing media appropriate for surrounding fire.  
Specific Hazards: 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: Avoid contact with eyes. Avoid contact with skin.  
Environmental Precautions: Large spillages or uncontrolled discharges into rivers or streams must be reported to The Environment Agency or other regulatory body.  
Spill cleanup methods: Small quantities may be flushed to drains with plenty of water. Larger spill: absorb in vermiculite, dry sand or earth and place into containers. Send for disposal as special waste.

7 HANDLING AND STORAGE

Usage Precautions: Avoid contact with eyes and skin. DO NOT mix with other chemicals.  
Storage Precautions: Store at moderate temperatures in dry, well ventilated areas. Keep in original container. Store away from oxidising material.

8 PERSONAL PROTECTION / EXPOSURE CONTROLS

Name	Std	LT – ppm	LT – mg/m3	ST - ppm	ST – mg/m3
Phosphoric Acid...%	WEL		1 mg/m3		2 mg/m3

Ingredient Comments: WEL = Workplace Exposure Limits  
Engineering Measures: N/A  
Respiratory Equipment: N/A  
Hand protection: 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: Viscous Liquid.  
Colour: Clear Blue  
Odour/Taste: Violet  
Solubility Description: Soluble in water  
Boiling point (°C): 100 760mmHg  
Relative Density: 1.038@20°C  
Flash Point °C: Boils without flashing  
Melting Point (°C): 0  
pH-Value conc: 0.30

10 STABILITY AND REACTIVITY

Stability: No particular stability concerns  
Materials to avoid: 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 may cause irritation of the gastro-intestinal tract.

12 ECOLOGICAL INFORMATION

Ecotoxicity: Potentially hazardous due to the acidity of the product.  
Bio accumulation: Completely soluble. No bio accumulation.  
Degradability: This product, at use dilutions, is readily broken down in a biological effluent treatment plants.

13 DISPOSAL CONSIDERATIONS

Disposal Methods: Discharge used solutions to drains. Small amounts (less than 5 litres) of unwanted product may be flushed to sewer with water. 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 Number: 3264  
Hazard Class (ADR): Class 8: Corrosive Substances ADR Pack GR: III  
Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, 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  
Marine pollutant: No  
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: R36/38 Irritating to eyes and skin  
Safety Phrases: S2 Keep out of 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  
S46 If swallowed seek medical advice immediately and show this container label.  
S50A Do not mix with other chemicals especially chlorine releasing bleaches as toxic gas will be evolved.

Environmental Listings: Hazardous Waste (England and Wales) Regulations  
EU Directives: System of specific information relating to Dangerous Preparations 91/155.  
As amended by Directive 93/112/EC and 2001/58/EC  
Statutory Instruments: Chemicals (Hazard Information and Packaging) Regulations 2005  
Approved code of practice: The compilation of safety data sheets L130  
Guidance notes: Workplace Exposure Limits EH40. As amended in 2005.  
Approved guide to the classification and labelling of substances and preparations dangerous for supply – L100

16 OTHER INFORMATION

Information Sources: Approved Supply List – HSC  
Material Safety Data Sheet, misc. manufacturers  
Revision Comments: Change due to CHIP 3.1 (2005) OES or MEL replaced by WEL in section 8.  
R-Phrases: R-22 Harmful if swallowed  
R-34 Causes burns  
R-37 Irritating to respiratory system



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## TOILET DESCALER

### Description

Powerful, heavy duty, thickened toilet cleaner & descaler with a pleasant perfume. Rapidly removes the heaviest soiling & limescale. Suitable for use on porcelain toilets & urinals, ceramic & quarry tiles.

### Features & Benefits

- Quick acting acid cleaner which contains corrosion inhibitors.
- Clings to vertical surfaces allowing a longer contact for better cleaning.
- Pleasantly perfumed to help deodorise the washroom.
- Suitable for use in soft & hard water areas.
- Packed in 1lt angled neck bottles for cleaning under the toilet rim.
- 5lt bottle for extra economy.

### How to Use

#### DESCALING AND OBSTINATE STAINS:

Always flush prior to cleaning. Apply undiluted to surface. Leave for a few minutes. Agitate with toilet brush if necessary. Flush with clean water.

#### GENERAL CLEANING OF CERAMIC AND QUARRY TILES:

Dilute 200ml per 5 litres of warm water. Wipe or mop surface. Agitate if necessary. Rinse with clean water.

NOT SUITABLE FOR STAINLESS STEEL OR VITREOUS ENAMEL

### Composition

Contains a blend of hydrochloric & phosphoric acids, viscosity stabiliser, nonionic surfactant, corrosion inhibitor, perfume & dye.

### Typical Product Analysis

Appearance:	Clear viscous liquid
Odour:	Violet
Specific Gravity (20°C):	1.038
Colour:	Blue
pH – undiluted:	0.3
pH – diluted 1:50:	1.5
Shelf Life Unopened:	Not less than 3 years

### Packaging

**Pack:**  
6 x 1lt  
5lt

### Storage

Store in original sealed container and protect from extremes of temperature

**Biodegradability:** All surfactants used in Jangro products comply with the current European Regulations concerning Biodegradability and protection of the environment.