



# SAFETY DATA SHEET

## Jangro - TOILET DESCALER

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name Jangro - TOILET DESCALER  
 Product No. A105 JA  
 Internal Id BC050-5 & BC050-1

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Acidic Descaling Toilet Cleaner and Hard Surface Cleaner for washrooms

#### 1.3. Details of the supplier of the safety data sheet

Supplier Jangro Limited  
 Jangro House  
 Worsley Road  
 Farnworth  
 Bolton. UK  
 BL4 9LU  
 Tel: 0845 458 5223  
 Fax: 01204 579 499  
 centraloffice@jangrohq.net

#### 1.4. Emergency telephone number

01772 318 818 - 8.30am to 4.45pm - Mon to Fri

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Xi;R36/38.

#### 2.2. Label elements

##### Labelling



Irritant

##### Risk Phrases

R36/38

Irritating to eyes and skin.

##### Safety Phrases

S2

Keep out of the 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 or label.

S50A

Do not mix with other chemicals especially chlorine releasing bleaches as toxic gas will be evolved.

#### 2.3. Other hazards

This product does not contain any PBT or vPvB substances.

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

<b>HYDROCHLORIC ACID ...%</b>	<b>5-10%</b>
<b>CAS-No.: 7647-01-0</b>	<b>EC No.: 231-595-7</b>
Classification (EC 1272/2008) Skin Corr. 1B - H314 STOT SE 3 - H335	Classification (67/548/EEC) C;R34 Xi;R37
<b>ETHOXYLATED OLEYLAMINE</b>	<b>1-5%</b>
<b>CAS-No.: 26635-93-8</b>	<b>EC No.:</b>
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Corr. 1B - H314 Aquatic Acute 1 - H400	Classification (67/548/EEC) Xn;R22. C;R34. N;R50.
<b>PHOSPHORIC ACID ...%</b>	<b>0-1%</b>
<b>CAS-No.: 7664-38-2</b>	<b>EC No.: 231-633-2</b>
Classification (EC 1272/2008) Skin Corr. 1B - H314	Classification (67/548/EEC) C;R34
<b>BUTANOL-norm</b>	<b>0-1%</b>
<b>CAS-No.: 71-36-3</b>	<b>EC No.: 200-751-6</b>
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335 STOT SE 3 - H336	Classification (67/548/EEC) R10 Xn;R22 Xi;R37/38,R41 R67

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### Inhalation

Not relevant Unlikely route of exposure as the product does not contain volatile substances. In case of inhalation of spray mist: Move person into fresh air and keep at rest.

#### Ingestion

DO NOT INDUCE VOMITING! Drink a few glasses of water or milk. Get medical attention.

#### Skin contact

Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

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## Eye contact

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.

## **4.2. Most important symptoms and effects, both acute and delayed**

### General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

### Inhalation

Irritation of nose, throat and airway.

### Ingestion

May cause discomfort if swallowed.

### Skin contact

Skin irritation. Prolonged skin contact may cause redness and irritation.

### Eye contact

May cause temporary eye irritation. Prolonged contact may cause redness and/or tearing.

## **4.3. Indication of any immediate medical attention and special treatment needed**

Treat Symptomatically.

## **SECTION 5: FIREFIGHTING MEASURES**

### **5.1. Extinguishing media**

#### Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

### **5.2. Special hazards arising from the substance or mixture**

#### Specific hazards

When heated and in case of fire, harmful vapours/gases may be formed.

### **5.3. Advice for firefighters**

#### Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.

### **6.2. Environmental precautions**

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

### **6.3. Methods and material for containment and cleaning up**

Small quantities may be flushed to drains with plenty of water. Large Spillages: Pick up with vacuum or absorbent solid, store in closed container for disposal.

### **6.4. Reference to other sections**

For personal protection, see section 8.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1. Precautions for safe handling**

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

### **7.2. Conditions for safe storage, including any incompatibilities**

Store at moderate temperatures in dry, well ventilated area. Keep in original container. Store away from: Oxidising material. (eg Hypochlorite / Bleach)

### **7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

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## Usage Description

See Product Information Sheet & Label for detailed use of this product.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
BUTANOL-norm	WEL			50 ppm	154 mg/m <sup>3</sup>	Sk
PHOSPHORIC ACID ...%	WEL		1 mg/m <sup>3</sup>		2 mg/m <sup>3</sup>	

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

### Ingredient Comments

STEL= Short-Term Exposure Limit (15 minute) & TWA = Time Weighted Average (8 hours).

### 8.2. Exposure controls

#### Engineering measures

Not relevant

#### Respiratory equipment

Respiratory protection not required.

#### Hand protection

For prolonged or repeated skin contact use suitable protective gloves. (Household rubber gloves.)

#### Eye protection

Eye protection recommended.

#### Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Viscous Liquid
Colour	Clear Blue.
Odour	Violet.
Solubility	Soluble in water.
Initial boiling point and boiling range (°C)	100 760 mm Hg
Melting point (°C)	0
Relative density	1.038 @ 20 °C
pH-Value, Conc. Solution	0.30
Flash point (°C)	Boils without flashing

### 9.2. Other information

None.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Reacts with alkalis and generates heat.

### 10.2. Chemical stability

No particular stability concerns.

### 10.3. Possibility of hazardous reactions

See sections 10.1, 10.4 & 10.5

### 10.4. Conditions to avoid

There are no known conditions that are likely to result in a hazardous situation.

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## **10.5. Incompatible materials**

### **Materials To Avoid**

Concentrated alkaline materials. Chlorine releasing materials will liberate toxic chlorine gas.

## **10.6. Hazardous decomposition products**

No hazardous decomposition products.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

#### **Toxicological information**

We have not carried out any animal testing, therefore we have no Toxicological Data specifically for this product. The Toxicological Data, where provided by the raw material manufacturer, can be made available on request.

#### **Other Health Effects**

Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

## **SECTION 12: ECOLOGICAL INFORMATION**

### **Ecotoxicity**

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

### **12.1. Toxicity**

We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

### **12.2. Persistence and degradability**

#### **Degradability**

This product, at use dilutions, is readily broken down in biological effluent treatment plants.

### **12.3. Bioaccumulative potential**

#### **Bioaccumulative potential**

The product does not contain any substances expected to be bioaccumulating.

### **12.4. Mobility in soil**

#### **Mobility:**

Not known.

### **12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances.

### **12.6. Other adverse effects**

Not known.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### **13.1. Waste treatment methods**

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 as special waste. Rinse out empty container with water and consign to normal waste.

## **SECTION 14: TRANSPORT INFORMATION**

### **14.1. UN number**

UN No. (ADR/RID/ADN)	3264
UN No. (IMDG)	3264
UN No. (ICAO)	3264

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## 14.2. UN proper shipping name

Proper Shipping Name      CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (hydrochloric acid)

## 14.3. Transport hazard class(es)

ADR/RID/ADN Class      Class 8: Corrosive substances.

IMDG Class      Class 8: Corrosive substances.

ICAO Class/Division      Class 8: Corrosive substances.

Transport Labels



## 14.4. Packing group

ADR/RID/ADN Packing group      III

IMDG Packing group      III

ICAO Packing group      III

## 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant  
No.

## 14.6. Special precautions for user

EMS      F-A, S-B

Tunnel Restriction Code      (E)

## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant for packaged product.

## SECTION 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Guidance Notes

Workplace Exposure Limits EH40.

#### EU Legislation

Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is as classified under CHIP Directive 1999/45/EEC Classification, Packaging & Labelling of Dangerous Preparations. Ingredients are listed with classification under both CHIP - Directive 67/548/EEC - classification, packaging & labelling of dangerous substances & GHS/CLP-Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

## SECTION 16: OTHER INFORMATION

#### Information Sources

Material Safety Data Sheet, Misc. manufacturers. CLP Class - Table 3.1 List of harmonised classification and labeling of hazardous substances. CHIP Class - Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC.

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## Revision Comments

New Format Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). - No change in Product Classification - Main change is the move of Labelling elements from Section 15 to Section 2 & Section 3 now has a different layout for the Ingredients and lists their classification in both CHIP & CLP format.

**Revision Date** 01/10/12

**Revision** Issue 5

**Safety Data Sheet Status** The Risk Phrases / Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Risk Phrases / Hazard Statements relating to this Product see Section 2.

## Risk Phrases In Full

R34 Causes burns.  
R10 Flammable.  
R22 Harmful if swallowed.  
R36/38 Irritating to eyes and skin.  
R37/38 Irritating to respiratory system and skin.  
R37 Irritating to respiratory system.  
R41 Risk of serious damage to eyes.  
R67 Vapours may cause drowsiness and dizziness.  
R50 Very toxic to aquatic organisms.

## Hazard Statements In Full

H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H336 May cause drowsiness or dizziness.  
H335 May cause respiratory irritation.  
H400 Very toxic to aquatic life.