



Jangro Limited
Jangro House
Worsley Road
Farnworth
Bolton
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Tel. 0845 458 5223

JANGRO BC050

Revision 01/10/12

PRODUCT SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY UNDERTAKING

1.1 Product identifier

Product Name: Jangro- Toilet Descaler
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 576 801
Enquiries@jangrohq.net

1.4 Emergency telephone number

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

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

2.2 Label element

Labelling



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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

HYDROCHLORIC ACID... %	5-10%
CAS No.: 7647-01-0	EC No.: 231-595-7
Classification (EC 1272/2008) Skin Corr. 1B – H314 STOT SE 3 – H335	Classification (67/548/EEC) C;R34 Xi;R37
ETHOXYLATED OLEYLAMINE	1-5%
CAS No.: 26635-93-8	EC No.:
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
PHOSPHORIC ACID ...%	0-1%
CAS No.: 7664-38-2	EC No.: 231-633-2
Classification (EC 1272/2008) Skin Corr. 1B – H314	Classification (67/548/EEC) C;R34
BUTANOL - norm	0-1%
CAS No.: 71-36-3	EC No.: 200-751-6
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.

Composition comments the ingredients are present in non-hazardous concentrations

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation Not relevant. Inhalation unlikely. 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.

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 dependent 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 contact may cause redness and irritation.

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

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIRE FIGHTING 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 fire-fighters

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

Spillage 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

Usage Description; See product information sheet & label for detailed use of this product.

SECTION 8: PERSONAL PROTECTION/EXPOSURE CONTROLS

8.1 Control parameters

Name	STD	TWA- 8hrs	STEL – 15 Min		Notes
BUTANOL- norm	WEL		50 ppm (Sk)	154 mg/m3 (sk)	
PHOSPHORIC ACID...%	WEL			2 mg/m3	

Ingredient comments

STEL= Short term exposure limit (15 minute) & TWA= Time weighted average (8hours)

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

Appearance: Viscous Liquid

Colour: Clear blue

Odour: Violet

Solubility: Soluble in water

Initial boiling point and boiling range 100 760 mm Hg

Melting point (°c) 0

Relative density 1.038 @ 20°C
pH-value, conc. Solution 0.30
Flash point 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.

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 assessments

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 solution 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

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 INFORMATION15.1 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

Not applicable 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 labelling of hazard substances. CHIP Class – Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC.

Revisions comments: New Format 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
R37/38	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.



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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

Shelf Life Unopened: Not less than 3 years

Packaging

Pack:
12 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.