



Jangro Limited
 Jangro House
 Worsley Road
 Farnworth
 Bolton
 BL4 9LU

Tel. 0845 458 5223

PRODUCT SAFETY DATA SHEET

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

1.1 Product identifier

Product Name: Jangro- Toilet & Washroom Cleaner Descaler
 Internal Id: BC045-1 & BC045-5

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) Not classified

2.2 Label elements

Risk Phrases

NC Not classified

Safety Phrases

S2 Keep out of the reach of children
 S46 If swallowed, seek medical advice immediately and show this container or label
 P13 Safety Data sheet available for professional user on request.

2.3 Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

SULPHAMIC ACID	5-10%
CAS No.: 5329-14-6	EC No.: 226-218-8
Classification (EC 1272/2008)	Classification (67/548/EEC)

Skin Irrit. 2 – H315	Xi;R36/38
Eye Irrit. 2 – H319	R52/53
Aquatic Chronic 3 – H412	

ALCOHOL (C9-11) ETHOXYLATE (8OE)		1-5%
CAS No.: 68439-46-3	EC No.:	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Acute Tox.4 – H302	Xn;R22	
Eye Dam. 1 – H318	Xi;R41	

TURPENTINE, OIL		0-1%
CAS No.: 8006-64-2	EC No.: 232-350-7	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam Liq.3 - H226	R10	
Acute Tox.4 – H302	Xn;R20/21/22, R65	
Acute Tox. 4 – H312	R43	
Acute Tox. 4 – H332	Xi;R36/38	
Skin Irrit. 2 – H315	N;R51/53	
Eye Irrit. 2 – H319		
Skin Sens. 1 – H317		
Asp. Tox. 1 – H304		
Aquatic Chronic 2 – H411		

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 with soap and water.
- Eye Contact** Promptly wash eyes with plenty of water while lifting the eye lids.

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** No specific symptoms noted.
- Ingestion** No specific symptoms noted. But – may cause discomfort if swallowed.
- Skin contact** No specific symptoms noted. But prolonged or excessively repeated skin contact could lead to removal of natural oils from skin.
- Eye contact** No specific symptoms noted. But prolonged eye contact may lead to the product affecting the natural lubrication provided by the mucous membranes.

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.

No special protective clothing. (see sec 8)

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

No specific usage precautions noted.

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
TURPENTINW, OIL	WEL	100 ppm	566 mg/m3	150 ppm	850 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: Turquoise
 Odour: Aqua
 Solubility: Soluble in water
 Initial boiling point and boiling range: 101
 Melting point (°c): -1
 Relative density: 1.040 @ 20°c
 pH-value, conc. Solution: 1.30
 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 INFORMATION11.1 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: Not regarded as dangerous for the environment.

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: Surfactant is readily broken down by effluent treatment process.

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 CONSIDERATIONS13.1 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 by approved waste contractor. Consign empty container to normal waste.

SECTION 14: TRANSPORT INFORMATION14.1 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 (sulphamic 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

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 3

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

R10 Flammable
 R20/21/22 Harmful by inhalation, in contact with skin and if swallowed
 R22 Harmful if swallowed

R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65	Harmful: may cause lung damage if swallowed.
R36/38	Irritating to eyes
R43	May cause sensitization by skin contact
NC	Not classified
R41	Risk of serious damage to eyes
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements in full

H318	Causes serious eye damage
H319	Causes serious eye irritation
H315	Causes skin irritation
H226	Flammable liquid and vapour
H332	Harmful if inhaled
H302	Harmful if swallowed
H312	Harmful in contact with skin
H412	Harmful to aquatic life with long lasting effects
H304	May be fatal if swallowed and enters airways
H317	May cause an allergic skin reaction
H411	Toxic to aquatic life with long lasting effects



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TOILET & WASHROOM CLEANER DESCALER

Description

Quick acting cleaner for removal of body fat, soap scum and limescale. Suitable for use on porcelain, stainless steel, ceramic and quarry tiles. Suitable for use in all water conditions.

Features & Benefits

- Quickly removes body fat, soap scum and limescale
- Leaves taps and chrome fittings clean and bright
- Leaves a clean fresh fragrance
- Suitable for use in all water conditions

How to Use

Toilet Bowls & Urinals	Flush toilet or urinal. Force water around S bend with toilet brush. Apply undiluted and leave for a few minutes, agitate with brush if necessary. Flush with clean water.
Sinks, Baths & Tiles	Apply undiluted, wipe with a damp cloth and rinse with clean water.

NOT SUITABLE FOR VITREOUS ENAMEL

Typical Product Analysis

Appearance:	Viscous Liquid.
Colour:	Turquoise

Odour: Aqua
pH-Value conc: 1.30

Biodegradability

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

Storage Information

Store in original sealed container and protect from extremes of temperature.