



Jangro Limited
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PRODUCT SAFETY DATA SHEET

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

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

1.1 Product identifier

Product Name: JANGRO HARD SURFACE CLEANER
Internal Id: BA001-5

1.2 Relevant identified uses of the substance of mixture and uses advised against

Identified uses Alkaline Liquid Hard Surface Cleaner

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

Classification (1999/45/EEC) not classified

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

ALCOHOL (C9-C11) ETHOXYLATE (6EO)	1-5%
CAS No.: 68439-45-2	EC No.:
Classification (EC 1272/2008) Acute Tox.4 – H302 Eye Dam.. 1 – H302	Classification (67/548/EEC) Xn;R22 Xi;R41

COCAMIDOPROPYL BETAINE	1-5%
CAS No.: 61789-40-0	EC No.: 263-058-8
Classification (EC 1272/2008) Eye Dam.. 1 – H302	Classification (67/548/EEC) Xi;R41

2-AMINOETHANOL	1-5%
CAS No.: 141-43-5	EC No.: 205-483-3
Classification (EC 1272-2008) Acute Tox. 4 – H302 Acute Tox. 4 – H312 Acute Tox. 4 – H332 Skin Corr. 1B – H314 STOT SE 3 – H335	Classification (67/548/EEC) C;R34 Xn;R20/21/22

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

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	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 Acids)

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
2-AMINOETHANOL	WEL	3 ppm (Sk)	7.6 mg/m3 (Sk)	6 ppm (Sk)	15 mg/m3 (sk)	
TURPENTINE, OIL	WEL	100 ppm	566 mg/m3	150 ppm	850 mg/m3	

WEL = Workplace Exposure Limit

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:	No specific hand protection noted, but protection for the skin is advisable to prevent removal of natural oils from skin.
Eye Protection:	None required
Other Protection:	None required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Colour:	Clear Blue
Odour:	Ocean
Solubility:	Soluble in water
Initial boiling point and boiling range	100 760 mmHg
Melting point (°c)	-1
Relative density	1.006 @ 20°c
pH-value, conc. Solution	10.60
Flash point	Boils without flashing

9.2 Other information

None

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

No specific reactivity hazards associated with this product

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; No incompatible groups noted.

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: 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 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

General Not Classified for transport

14.1 UN number

14.2 UN proper shipping name

14.3 Transport hazard class(es)

14.4 Packing group

14.5 Environmental hazards

14.6 Special precautions for user

14.7 Transport in bulk according to Annex II of Marpol73/78 and the IBC code

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 6

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
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R22	Harmful if swallowed
R65	Harmful: may cause lung damage if swallowed
R36/38	Irritating to eyes and skin
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
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H226	Flammable liquid and vapour
H332	Harmful if inhaled
H302	Harmful if swallowed
H312	Harmful in contact with skin
H304	May be fatal if swallowed and enters the airways
H317	May cause an allergic skin reaction
H335	May cause respiratory irritation
H411	Toxic to aquatic life with long lasting effects



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HARD SURFACE CLEANER

Description

Efficient, quick acting general purpose cleaner. Highly recommended for professional users where a strong, all-purpose cleaning product is required. For use on a variety of hard surfaces including vinyl, rubber, concrete, fiberglass, paintwork, ceramic, porcelain and plastics.

Features and Benefits

- Quick acting cleaner and degreaser
- Will remove stubborn stains and heavy soiling
- Leaves a clean fresh fragrance
- Suitable for a wide range of cleaning applications
- Ideal in a spray on wipe off cleaning system
- Highly recommended for spray cleaning floors

How to Use

GENERAL CLEANING & PAINTWORK:

Dilute 50ml per 5 litres of hot water.

HEAVY DIRT & GREASE:

Dilute 200ml per 5 litres of hot water.

SPRAY CLEANING FLOORS:

Dilute 100ml per 5 litres of cold water
Spray surface lightly and burnish floor

Composition

Contains a blend of anionic surfactant, nonionic surfactant, alkanolamine, sequestering agent, glycol ether, perfume and dye

Typical Product Data

Appearance:	Liquid.
Colour:	Clear. Blue.
Odour:	Ocean.
pH Value, Conc Solution:	12.30
Solubility:	Soluble in Water
Shelf Life Unopened:	Not less than 3 years

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.