



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- Heavy Duty Cleaner Concentrated
Internal Id: BA060-5

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

Identified uses Heavy Duty, Alkaline Liquid Hard Surface Cleaner and Degreaser

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 elements

Labeling 
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

2.3 Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

SODIUM METASILICATE		1-5%
CAS No.:	EC No.:	
Classification (EC 1272/2008) Skin Corr. 1 B- H314, H315 Skin Irrit. 2 – H314, H315 Eye Irrit. 2 – H319	Classification (67/548/EEC) C;R34 Xi;R36/38	

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

SODIUM DODECYL BENZENE SULPHATE		1-5%
CAS No.: 25155-30-0	EC No.: 246-680-4	
Classification (EC 1272/2008) Acute Tox.4 – H302 Skin Irrit. 2 – H315 Eye Irrit. 2 H 319	Classification (67/548/EEC) Xn;R22 Xi;R36/38	

SODIUM (C10-16) ALKYL ETHOXY SULPHATE		1-5%
CAS No.: 68585-34-2	EC No.:	
Classification (EC 1272/2008) Skin Irrit. 2 – H315 Eye Irrit. 2 H 319	Classification (67/548/EEC) Xi;R36/38	

SODIUM HYDROXIDE		
CAS No.: 1310-73-2	EC No.: 215-185-5	Registration Number: 01-2119457892-27-xxxx
Classification (EC 1272/2008) Skin Corr. 1A – H314	Classification (67/548/EEC) C;R35	

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. 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 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 eyes. Avoid contact with skin.

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.

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 & 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
SODIUM HYDROXIDE	WEL		2mg/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: Liquid

Colour: Clear Red/Brown

Odour: Citrus

Solubility: Soluble in water

Initial boiling point and boiling range 101 760 mm Hg

Melting point (°c) -1

Relative density 1.057 @ 20°c

pH-value, conc. Solution 13.10

Flash point Boils without flashing

9.2 Other information

None

SECTION 10: STABILITY AND REACTIVITY10.1 Reactivity

The solution is strongly alkaline and reacts with strong acids with heat generation

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

The solution is strongly alkaline and reacts with strong acids with heat generation

10.5 Incompatible materials

Materials to avoid; No incompatible groups noted.

10.6 Hazardous decomposition products

There are no anticipated hazardous decomposition products associated with this material.

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

SECTION 14: TRANSPORT INFORMATION14.1 UN number

UN No. (ADR/RID/ADN) 3266

UN No. (IMDG) 3266

UN No. (ICAO) 3266

14.2 UN proper shipping name

Proper shipping name CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S (disodium trioxosilicate)

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

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 4

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

R35 Causes severe burns

R22 Harmful if swallowed

R36/38 Irritating to eyes and skin

R36 Irritating to eyes

R38 Irritating to skin

R41 Risk of serious damage to eyes

Hazard Statements in full

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H318 Causes serious eye damage
H319 Causes serious eye irritation
H314 Causes severe skin burns and eye damage
H315 Causes skin irritation
H302 Harmful if swallowed



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HEAVY DUTY CLEANER CONCENTRATED

Description

Multi purpose heavy duty detergent for the removal of oil, grease and heavy soiling. It is suitable for use on concrete, vinyl, rubber, plastic, painted and all washable surfaces.

Features and Benefits

- Versatile, concentrated, multi purpose cleaner
- Contains natural orange extract ingredients
- Rapid removal of oil, grease and grime
- ideal for cleaning floors in garages and engineering workshops

How to Use

GENERAL CLEANING:

Dilute 50ml per 5 litres of hot water.
Mop, wipe or scrub the soiled surface

HEAVY SOILAGE:

Dilute 200ml per 5 litres of hot water.
Mop, wipe or scrub the soiled surface

TO REMOVE OIL AND GREASE:

Dilute 500ml per 5 litres of hot water.
Mop, wipe or scrub the soiled surface

Composition

Contains a blend of sodium metasilicate, anionic surfactant, solubiliser, sequestering agent, citrus terpenes and dye

Typical Product Data

Appearance:	Clear liquid
Odour:	Citrus
Specific Gravity (20°C):	1.08
Colour:	Red/Brown
pH-undiluted:	13.1
pH-diluted 1:25:	12.0
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.

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