



## SAFETY DATA SHEET

### Jangro - HEAVY DUTY CLEANER CONCENTRATED

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name	Jangro - HEAVY DUTY CLEANER CONCENTRATED
Product number	A044 JA
Internal identification	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. & Degreaser
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##### 1.3. Details of the supplier of the safety data sheet

###### Supplier

Jangro Limited  
Jangro House  
Worsley Road  
Farnworth  
Bolton. UK  
BL4 9LU  
Tel: 01204 795 955  
Fax: 01204 579 499  
enquiries@jangrohq.net

##### 1.4. Emergency telephone number

Emergency telephone	01772 318 818 - 8.30am to 4.45pm - Mon to Fri
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#### SECTION 2: Hazards identification

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

###### Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Skin Irrit. 2 - H315 Eye Dam. 1 - H318
Environmental hazards	Not Classified

##### 2.2. Label elements

###### Pictogram



Signal word	Danger
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Hazard statements	H315 Causes skin irritation. H318 Causes serious eye damage. EUH208 Contains TERPINOLENE. May produce an allergic reaction.
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## Jangro - HEAVY DUTY CLEANER CONCENTRATED

<b>Precautionary statements</b>	P102 Keep out of reach of children.
	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
	P301 IF SWALLOWED:
	P313 Get medical advice/ attention.
	P302+P352 IF ON SKIN: Wash with plenty of water.
	P332+P313 If skin irritation occurs: Get medical advice/ attention.
	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P315 Get immediate medical advice/ attention.
P501 Dispose of contents/ container in accordance with local regulations.	

**Contains** SODIUM METASILICATE

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>SODIUM METASILICATE</b>	<b>3-5%</b>
CAS number: —	
<b>Classification</b>	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
<b>SODIUM DODECYL BENZENE SULPHONATE</b>	<b>3-5%</b>
CAS number: 68411-30-3                      EC number: 270-115-0	
<b>Classification</b>	
Acute Tox. 4 - H302	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Aquatic Chronic 3 - H412	
<b>ALCOHOL (C9-11) ETHOXYLATE (8EO)</b>	<b>1-3%</b>
CAS number: 68439-45-2	
Alternative CAS No 13598-36-2	
<b>Classification</b>	
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	

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<p><b>SODIUM (C12-14) ALKYL ETHOXY SULPHATE</b> <span style="float: right;"><b>1-3%</b></span></p> <p>CAS number: 68891-38-3                      EC number: 500-234-8                      REACH registration number: 01-2119488639-16-0020</p> <p>Spec Conc Limits :- Eye Dam. 1 (H318) &gt;=30%, Eye Irrit. 2 (H319) &gt;10% &lt;30%, NC (Not Classified) &lt;=10%</p>
<p><b>Classification</b></p> <p>Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412</p>
<p><b>SODIUM HYDROXIDE</b> <span style="float: right;"><b>0.1-1%</b></span></p> <p>CAS number: 1310-73-2                      EC number: 215-185-5                      REACH registration number: 01-2119457892-27-xxxx</p> <p>Spec Conc Limits :- Skin Corr. 1A (H314) &gt;= 5 %, Skin Corr. 1B (H314) &gt;=2% &lt;5 %, Skin Irrit. 2 (H315) &gt;=0.5%&lt;2%, Eye Irrit. 2 (H319) &gt;=0.5% &lt;2%</p>
<p><b>Classification</b></p> <p>Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318</p>
<p><b>TERPINOLENE</b> <span style="float: right;"><b>0.1-1%</b></span></p> <p>CAS number: 586-62-9                      EC number: 209-578-0</p> <p>M factor (Chronic) = 1</p>
<p><b>Classification</b></p> <p>Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Chronic 1 - H410</p>

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

<b>Inhalation</b>	Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Ingestion</b>	Do not induce vomiting. Give plenty of water to drink. Get medical attention.
<b>Skin contact</b>	Wash with plenty of water. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention immediately.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Irritation of nose, throat and airway.
<b>Ingestion</b>	May cause discomfort if swallowed.

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<b>Skin contact</b>	Causes skin irritation. Prolonged and frequent contact may cause redness and irritation.
<b>Eye contact</b>	Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

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

<b>Notes for the doctor</b>	Treat symptomatically.
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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
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### **5.2. Special hazards arising from the substance or mixture**

<b>Specific hazards</b>	Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours.
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### **5.3. Advice for firefighters**

<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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## **SECTION 6: Accidental release measures**

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

<b>Personal precautions</b>	Wear protective clothing, gloves, eye and face protection. For personal protection, see Section 8.
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### **6.2. Environmental precautions**

<b>Environmental precautions</b>	Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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### **6.3. Methods and material for containment and cleaning up**

<b>Methods for cleaning up</b>	Small Spillages: Flush away spillage with plenty of water. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.
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### **6.4. Reference to other sections**

<b>Reference to other sections</b>	For personal protection, see Section 8.
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## **SECTION 7: Handling and storage**

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

<b>Usage precautions</b>	Wear protective clothing, gloves, eye and face protection.
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### **7.2. Conditions for safe storage, including any incompatibilities**

<b>Storage precautions</b>	Keep only in the original container in a cool, well-ventilated place. Store away from the following materials: Oxidising materials. & Acids.
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### **7.3. Specific end use(s)**

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
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<b>Usage description</b>	See Product Information Sheet & Label for detailed use of this product.
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## **SECTION 8: Exposure Controls/personal protection**

### **8.1. Control parameters**

#### **Occupational exposure limits**

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### SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

#### 8.2. Exposure controls

##### Protective equipment



<b>Appropriate engineering controls</b>	Not relevant.
<b>Eye/face protection</b>	Wear eye protection.
<b>Hand protection</b>	Wear protective gloves. (Household rubber gloves.)
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<b>Respiratory protection</b>	Respiratory protection not required.

#### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Clear. Red-brown.
<b>Odour</b>	Citrus.
<b>pH</b>	pH (concentrated solution): 13.10
<b>Melting point</b>	-1°C
<b>Initial boiling point and range</b>	101°C @ 760 mm Hg
<b>Flash point</b>	Boils without flashing.
<b>Relative density</b>	1.057 @ 20°C
<b>Solubility(ies)</b>	Soluble in water.

##### 9.2. Other information

<b>Other information</b>	None.
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#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

<b>Reactivity</b>	Reactions with the following materials may generate heat: Strong acids.
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##### 10.2. Chemical stability

<b>Stability</b>	No particular stability concerns.
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##### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	See sections 10.1, 10.4 & 10.5
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##### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	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** Strong acids.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

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

### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE oral (mg/kg)** 17,054.49

## SECTION 12: Ecological Information

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

### 12.1. Toxicity

**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

**Persistence and 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

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** Not known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal 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

## Jangro - HEAVY DUTY CLEANER CONCENTRATED

UN No. (ADR/RID)	3266
UN No. (IMDG)	3266
UN No. (ICAO)	3266

### 14.2. UN proper shipping name

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

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

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

### 14.3. Transport hazard class(es)

**ADR/RID class** Class 8 : Corrosive Substances.

**ADR/RID label** 8

**IMDG class** Class 8: Corrosive substances.

**ICAO class/division** Class 8: Corrosive substances.

#### Transport labels



### 14.4. Packing group

**ADR/RID 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 MARPOL and the IBC Code

**Transport in bulk according to** Not relevant. for a packaged product.

**Annex II of MARPOL 73/78 and the IBC Code**

## SECTION 15: Regulatory information

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

**EU legislation** Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 2015/830 (which amends Regulation (EC) No 453/2010 & 1907/2006).  
The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.  
Ingredients are listed with classification under 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.

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### SECTION 16: Other information

<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p> <p>ATE: Acute Toxicity Estimate.</p> <p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.</p> <p>REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.</p> <p>GHS: Globally Harmonized System.</p> <p>Spec Conc Limits = Specific Concentration Limits.</p>
<b>Classification abbreviations and acronyms</b>	<p>Aquatic Chronic = Hazardous to the aquatic environment (chronic)</p> <p>Acute Tox. = Acute toxicity</p> <p>Asp. Tox. = Aspiration hazard</p> <p>Eye Dam. = Serious eye damage</p> <p>Eye Irrit. = Eye irritation</p> <p>Met. Corr. = Corrosive to metals</p> <p>NC (Not Classified)</p> <p>Skin Corr. = Skin corrosion</p> <p>Skin Irrit. = Skin irritation</p>
<b>Key literature references and sources for data</b>	<p>Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labeling of hazardous substances. ECHA - C&amp;L Inventory database.</p>
<b>Classification procedures according to Regulation (EC) 1272/2008</b>	<p>Calculation Method.</p>
<b>Revision comments</b>	<p>Safety Data Sheet amended in accordance with REACH Commission Regulation (EU) No 2015/830 amendment. (Changes to Sections 2,3,15&amp;16)</p>
<b>Revision date</b>	<p>01/08/2017</p>
<b>Revision</b>	<p>7</p>
<b>SDS status</b>	<p>The 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 Hazard Statements relating to this Product see Section 2.</p>
<b>Hazard statements in full</b>	<p>H290 May be corrosive to metals.</p> <p>H302 Harmful if swallowed.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p> <p>EUH208 Contains TERPINOLENE. May produce an allergic reaction.</p>