



**SAFETY DATA SHEET**  
**Jangro - SCRUBBER DRYER POWER**

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

**1.1. Product identifier**

Product name                    Jangro - SCRUBBER DRYER POWER  
Product number                A109 JA  
Internal identification        BD061-5

**1.2. Relevant identified uses of the substance or 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 579 499  
                                      centraloffice@jangrohq.net

**1.4. Emergency telephone number**

Emergency telephone        01772 318 818 - 8.30am to 4.45pm - Mon to Fri

**SECTION 2: Hazards identification**

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

**Classification**

**Physical hazards**

Not Classified

**Health hazards**

Skin Irrit. 2 - H315 Eye Dam. 1 - H318

**Environmental hazards**

Not Classified

**Classification (67/548/EEC or 1999/45/EC)**

Xi;R36/38.

**2.2. Label elements**

**Pictogram**



Signal word                    Danger

**Hazard statements**

H315 Causes skin irritation.  
H318 Causes serious eye damage.

## Jangro - SCRUBBER DRYER POWER

### Precautionary statements

- 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

ALCOHOL (C9-C11) ETHOXYLATE (6EO), SODIUM HYDROXIDE

### 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>ALCOHOL (C9-C11) ETHOXYLATE (6EO)</b>	<b>5-10%</b>
CAS number: 68439-45-2 EC number: —	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Acute Tox. 4 - H302	Xn;R22. Xi;R41.
Eye Dam. 1 - H318	
<b>AMINO TRIMETHYLENE PHOSPHONIC ACID PENTA SODIUM SALT</b>	<b>3-5%</b>
CAS number: 2235-43-0 EC number: —	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Skin Irrit. 2 - H315	Xi;R36/38.
Eye Dam. 1 - H318	
<b>SODIUM CUMENE SULPHONATE</b>	<b>1-3%</b>
CAS number: 32073-22-6 EC number: 250-913-5	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Eye Irrit. 2 - H319	Xi;R36.
<b>SODIUM HYDROXIDE</b>	<b>0.1-1%</b>
CAS number: 1310-73-2 EC number: 215-185-5 REACH registration number: 01-2119457892-27-xxxx	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Met. Corr. 1 - H290	C;R35
Skin Corr. 1A - H314	

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

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.

#### Ingestion

Do not induce vomiting. Give plenty of water to drink. Get medical attention.

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### Skin contact

Wash with plenty of water. Get medical attention if irritation persists after washing.

### Eye contact

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Get medical attention immediately. Continue to rinse.

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

#### General information

The severity of the symptoms described will vary dependent on 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 skin contact may cause redness and irritation.

#### Eye contact

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

#### Notes for the doctor

Treat symptomatically.

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## SECTION 5: Firefighting measures

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### 5.1. Extinguishing media

#### Suitable extinguishing media

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

### 5.2. Special hazards arising from the substance or mixture

#### Specific hazards

Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours.

### 5.3. Advice for firefighters

#### Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

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## SECTION 6: Accidental release measures

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

#### Personal precautions

Wear protective clothing, gloves, eye and face protection. For personal protection, see Section 8.

### 6.2. Environmental precautions

#### Environmental precautions

Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

### 6.3. Methods and material for containment and cleaning up

#### Methods for cleaning up

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.

### 6.4. Reference to other sections

#### Reference to other sections

For personal protection, see Section 8.

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## SECTION 7: Handling and storage

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## Jangro - SCRUBBER DRYER POWER

### 7.1. Precautions for safe handling

#### **Usage precautions**

Wear protective clothing, gloves, eye and face protection.

### 7.2. Conditions for safe storage, including any incompatibilities

#### **Storage precautions**

Keep only in the original container in a cool, well-ventilated place. Store away from the following materials: Oxidising materials.

### 7.3. Specific end use(s)

#### **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.

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## **SECTION 8: Exposure Controls/personal protection**

### 8.1. Control parameters

#### Occupational exposure limits

#### **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**



#### **Appropriate engineering controls**

Not relevant.

#### **Eye/face protection**

Wear eye protection.

#### **Hand protection**

Wear protective gloves. (Household rubber gloves.)

#### **Other skin and body protection**

Wear appropriate clothing to prevent any possibility of skin contact.

#### **Respiratory protection**

Respiratory protection not required.

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## **SECTION 9: Physical and Chemical Properties**

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

#### **Appearance**

Liquid.

#### **Colour**

Clear. Blue.

#### **Odour**

Faint surfactant

#### **pH**

pH (concentrated solution): 12.80

#### **Melting point**

0°C

#### **Initial boiling point and range**

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100°C @ 760 mm Hg

### Flash point

Boils without flashing.

### Relative density

1.054 @ 20°C

### Solubility(ies)

Soluble in water.

## 9.2. Other information

### Other information

None.

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactions with the following materials may generate heat: Strong acids.

### 10.2. Chemical stability

#### 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

Strong acids. Aluminium, Tin, Zinc and their alloys.

### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

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## 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 LD50)

Based on available data the classification criteria are not met.

#### ATE oral (mg/kg)

5,016.66666667

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## 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.

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#### 12.2. Persistence and degradability

##### **Persistence and degradability**

Sequestrant is readily degraded during biological effluent treatment processes.

#### 12.3. 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

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

#### 12.6. 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 by approved waste contractor. Rinse out empty container with water and consign to normal waste.

### **SECTION 14: Transport information**

#### 14.1. UN number

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. (sodium hydroxide solution)
Proper shipping name (IMDG)	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (sodium hydroxide solution)
Proper shipping name (ICAO)	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (sodium hydroxide solution)
Proper shipping name (ADN)	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (sodium hydroxide solution)

#### 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.

ICAO subsidiary risk

Transport labels



#### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III

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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

Emergency Action Code

Hazard Identification Number (ADR/RID)

Tunnel restriction code (E)

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant. for a packaged product.

### 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 453/2010 (which amends Regulation (EC) No 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 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.

##### Guidance

Workplace Exposure Limits EH40.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

### SECTION 16: Other information

#### Key literature references and sources for data

Material Safety Data Sheet, Misc. manufacturers. CLP Class - Table 3.1 List of harmonised classification and labeling of hazardous substances. CHIP Class - Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC. ECHA - C&L Inventory database.

#### Revision comments

This product is now using classification from GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

Revision date 01/06/2015

Revision Issue 7

SDS 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

- R22 Harmful if swallowed.
- R35 Causes severe burns.
- R36 Irritating to eyes.
- R36/38 Irritating to eyes and skin.
- R41 Risk of serious damage to eyes.

#### Hazard statements in full

### **Jangro - SCRUBBER DRYER POWER**

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.