



## 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

**UFI** UFI: V64G-SX84-Y20N-DHXE

##### 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

<b>Supplier</b>	UK: Jangro Limited Jangro House Worsley Road Farnworth Bolton. UK BL4 9LU Tel: 01204 795 955 Fax: 01204 579 499 enquiries@jangrohq.net	Europe: Jangro (Europe) Limited 6-9 Trinity Street Dublin 2 D02 EY47 Ireland Tel: 01 617 7911
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##### 1.4. Emergency telephone number

**Emergency telephone** 01772 318 818 - Mon to Thu 8.30am to 4.45pm - Fri 8.30am to 1.30pm

**National emergency telephone number** For Health Care Professionals only -  
 For use in UK: Contact the National Poisons Information Service for further advice.  
 For use in the Republic of Ireland: To report a poisoning incident contact The National Poisons Information Centre, Beaumont Hospital, Dublin (01-8092166).

#### SECTION 2: Hazards identification

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

###### Classification (SI 2019 No. 720)

**Physical hazards** Not Classified

**Health hazards** Skin Irrit. 2 - H315 Eye Dam. 1 - H318

**Environmental hazards** Not Classified

##### 2.2. Label elements

###### Hazard pictograms



**Signal word** Danger

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<b>Hazard statements</b>	H315 Causes skin irritation. H318 Causes serious eye damage.
<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.
<b>Contains</b>	ALCOHOL (C9-C11) ETHOXYLATE (6EO), SODIUM HYDROXIDE

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB. Including - Endocrine disrupting properties: None known.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>ALCOHOL (C9-C11) ETHOXYLATE (6EO)</b> CAS number: 68439-46-3 Alternative CAS No 68439-45-2	<b>5-10%</b>
<b>Classification</b> Acute Tox. 4 - H302 Eye Dam. 1 - H318	
<b>AMINO TRIMETHYLENE PHOSPHONIC ACID PENTA SODIUM SALT</b> CAS number: 2235-43-0	<b>3-5%</b>
<b>Classification</b> Skin Irrit. 2 - H315 Eye Dam. 1 - H318	
<b>SODIUM CUMENE SULPHONATE</b> CAS number: 15763-76-5      EC number: 239-854-6	<b>1-3%</b>
<b>Classification</b> Eye Irrit. 2 - H319	

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### SODIUM HYDROXIDE

0.1-1%

CAS number: 1310-73-2

EC number: 215-185-5

Spec Conc Limits :- Skin Corr. 1A (H314)  $\geq 5\%$ , Skin Corr. 1B (H314)  $\geq 2\% < 5\%$ , Skin Irrit. 2 (H315)  $\geq 0.5\% < 2\%$ , Eye Irrit. 2 (H319)  $\geq 0.5\% < 2\%$

#### Classification

Met. Corr. 1 - H290

Skin Corr. 1A - H314

Eye Dam. 1 - H318

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 if irritation persists after washing.
<b>Eye contact</b>	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

<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.
<b>Skin contact</b>	Skin irritation. Prolonged skin 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

**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

<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

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**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.

## SECTION 7: Handling and storage

### 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. & Acids.

### 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.

## 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.

## SECTION 9: Physical and chemical properties

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

## Jangro - SCRUBBER DRYER POWER

<b>Appearance</b>	Liquid.
<b>Colour</b>	Clear. Blue.
<b>Odour</b>	Faint surfactant
<b>pH</b>	pH (concentrated solution): 12.80
<b>Melting point</b>	0°C
<b>Initial boiling point and range</b>	100°C @ 760 mm Hg
<b>Flash point</b>	Boils without flashing.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	1.054 @ 20°C
<b>Solubility(ies)</b>	Soluble in water.
<b>Partition coefficient</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition Temperature</b>	Not applicable.
<b>Viscosity</b>	Not available.

### 9.2. Other information

<b>Other information</b>	None.
<b>Particle size</b>	Not applicable.

## 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

<b>Materials to avoid</b>	Strong acids. Aluminium, Tin, Zinc and their alloys.
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### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	No known hazardous decomposition products.
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## SECTION 11: Toxicological information

## Jangro - SCRUBBER DRYER POWER

### 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)** 16,666.67

#### Acute toxicity - dermal

**Summary** Not applicable.

#### Acute toxicity - inhalation

**Summary** Not applicable.

#### Skin corrosion/irritation

**Skin corrosion/irritation** Causes skin irritation.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye damage.

#### Respiratory sensitisation

**Summary** Not applicable.

#### Skin sensitisation

**Summary** Not applicable.

#### Germ cell mutagenicity

**Summary** Not applicable.

#### Carcinogenicity

**Summary** Not applicable.

#### Reproductive toxicity

**Summary** Not applicable.

#### Specific target organ toxicity - single exposure

**Summary** Not applicable.

#### Specific target organ toxicity - repeated exposure

**Summary** Not applicable.

#### Aspiration hazard

**Summary** Not applicable.

**11.2 Information on other** None known.

**Hazards 11.2.1 Endocrine  
disrupting properties**

### SECTION 12: Ecological information

**Ecotoxicity** Not regarded as dangerous for the environment.

#### 12.1. Toxicity

## Jangro - SCRUBBER DRYER POWER

**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** Sequestrant is readily degraded during biological effluent treatment processes.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

**Partition coefficient** Not applicable.

### 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 Endocrine disrupting properties** None known.

### 12.6. Other adverse effects

**Other adverse effects** Now section 12.7: None 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

**General** 5L As supplied, this product is consigned under the Limited Quantities provisions.

### 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)

### 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.

## Jangro - SCRUBBER DRYER POWER

### 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

EmS F-A, S-B

Tunnel restriction code (E)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 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 EU Regulation: "REACH Commission Regulation (EU) No 2020/878 (which amends Regulation (EC) No 2015/830, 453/2010 & 1907/2006)." and UK Regulation: "SI 2020 No. 1577 - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020".

The product is as classified under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020".

Ingredients are listed with classification under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020".

### 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



## Jangro - SCRUBBER DRYER POWER

<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: Technical Instructions for the Safe Transport of Dangerous Goods by Air.</p> <p>REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577.</p> <p>GHS: Globally Harmonized System.</p> <p>Spec Conc Limits = Specific Concentration Limits.</p>
<b>Classification abbreviations and acronyms</b>	<p>Acute Tox. = Acute toxicity</p> <p>Eye Dam. = Serious eye damage</p> <p>Eye Irrit. = Eye irritation</p> <p>Met. Corr. = Corrosive to metals</p> <p>Skin Corr. = Skin corrosion</p> <p>Skin Irrit. = Skin irritation</p>
<b>Key literature references and sources for data</b>	Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labelling of hazardous substances. ECHA - C&L Inventory database.
<b>Classification procedures according to SI 2019 No. 720</b>	Calculation Method.
<b>Revision comments</b>	New Format Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 2020/878 (which amends Regulation (EC) No 453/2010 & 1907/2006). - No change in Product Classification. (Changes made to sections 2,3,9,11,12,15+16)
<b>Revision date</b>	10/12/2022
<b>Revision</b>	10
<b>SDS status</b>	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.
<b>Hazard statements in full</b>	<p>H290 May be corrosive to metals.</p> <p>H302 Harmful if swallowed.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H315 Causes skin irritation.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p>