



**SAFETY DATA SHEET**  
**JANGRO KETTLE & SHOWER DESCALER**  
 Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

**1.1. Product identifier**

**Product name** JANGRO KETTLE & SHOWER DESCALER  
**Product number** 800-298-0001, BB024-50  
**Container size** 500mL

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

**Identified uses** Cleaning agent. Limescale remover.

**1.3. Details of the supplier of the safety data sheet**

**Supplier** Jangro Ltd  
 Jangro Ltd  
 Jangro House  
 Worsely Road, Farnworth  
 Bolton, BL4 9LU  
 01204 795955  
 01204 576801

**Contact person** SDS information provided by [sds@coventrychemicals.com](mailto:sds@coventrychemicals.com)

**1.4. Emergency telephone number**

**Emergency telephone** 0845 458 5223 (Jangro)

**National emergency telephone number** In case of a medical emergency following exposure to a chemical call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24

**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

**Classification (67/548/EEC or 1999/45/EC)** Xi;R38,R41.

**2.2. Label elements**

**Pictogram**



**Signal word** Danger

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<b>Hazard statements</b>	H315 Causes skin irritation. H318 Causes serious eye damage.
<b>Precautionary statements</b>	P302+P352 IF ON SKIN: Wash with plenty of water. P332+P313 If skin irritation occurs: Get medical advice/ attention. P362 Take off contaminated clothing. P501 Dispose of contents/ container in accordance with local regulations. P264 Wash contaminated skin thoroughly after handling.
<b>Contains</b>	FORMIC ACID, AMMONIUM FORMATE

### 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>FORMIC ACID</b>		<b>5-10%</b>
CAS number: 64-18-6	EC number: 200-579-1	REACH registration number: 01-2119491174-37-XXXX
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 3 - H226	C;R35	
Acute Tox. 4 - H302		
Acute Tox. 3 - H331		
Skin Corr. 1A - H314		
Eye Dam. 1 - H318		
<b>AMMONIUM FORMATE</b>		<b>1-5%</b>
CAS number: 540-69-2		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Skin Irrit. 2 - H315	Xi;R38,R41.	
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>General information</b>	Provide eyewash station.
<b>Inhalation</b>	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Rinse immediately with plenty of water. Remove contaminated clothing. 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. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing. Show this Safety Data Sheet to the medical personnel.

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

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<b>General information</b>	Provide eyewash station.
<b>Skin contact</b>	Prolonged contact may cause redness, irritation and dry skin.
<b>Eye contact</b>	The product is irritating to eyes and skin. Prolonged or repeated exposure may cause the following adverse effects: Irritation and redness, followed by blurred vision. Corneal damage. Risk of serious damage to eyes.

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

<b>Notes for the doctor</b>	No specific recommendations.
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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. Foam, carbon dioxide or dry powder.
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### 5.2. Special hazards arising from the substance or mixture

<b>Hazardous combustion products</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.
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### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Control run-off water by containing and keeping it out of sewers and watercourses.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	For personal protection, see Section 8. Treat the spilled material according to the instructions in the clean-up section. Take care as floors and other surfaces may become slippery.
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Collect and dispose of spillage as indicated in Section 13. Do not discharge into drains or watercourses or onto the ground.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Stop leak if safe to do so. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.
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### 6.4. Reference to other sections

<b>Reference to other sections</b>	For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

<b>Usage precautions</b>	Provide adequate ventilation. Avoid spilling. Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid breathing vapour/spray. Do not mix with other household chemical products. Do not mix with acid.
<b>Advice on general occupational hygiene</b>	Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash skin thoroughly after handling. Take off contaminated clothing and wash it before reuse. Use appropriate hand lotion to prevent defatting and cracking of skin.

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

#### **Storage precautions**

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store at room temperature. Keep out of the reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 7.3. Specific end use(s)

#### **Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### **FORMIC ACID**

Long-term exposure limit (8-hour TWA): WEL 5 ppm 9.6 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

#### FORMIC ACID (CAS: 64-18-6)

#### **DNEL**

Workers - Inhalation; Long term systemic effects: 9.5 mg/m<sup>3</sup>  
 Workers - Inhalation; Long term local effects: 9.5 mg/m<sup>3</sup>  
 General population - Inhalation; Long term systemic effects: 3 mg/m<sup>3</sup>  
 General population - Inhalation; Long term local effects: 3 mg/m<sup>3</sup>

#### **PNEC**

- Fresh water; 2 mg/l  
 - Marine water; 0.2 mg/l  
 - STP; 7.2 mg/l  
 - Sediment (Freshwater); 13.4 mg/kg  
 - Sediment (Marinewater); 1.34 mg/kg  
 - Soil; 1.5 mg/kg

### 8.2. Exposure controls

#### **Protective equipment**



#### **Appropriate engineering controls**

Provide adequate ventilation.

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

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.

#### **Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex). Neoprene. Nitrile rubber. Polyethylene. To protect hands from chemicals, gloves should comply with European Standard EN374.

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

Wear appropriate clothing to prevent repeated or prolonged skin contact. Use appropriate hand lotion to prevent defatting and cracking of skin.

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<b>Hygiene measures</b>	When using do not eat, drink or smoke. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Use appropriate skin cream to prevent drying of skin.
<b>Respiratory protection</b>	Respiratory protection not required.
<b>Environmental exposure controls</b>	Avoid releasing into the environment.

### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Slight. Acrid.
<b>pH</b>	pH (concentrated solution): 2.0 - 4..0
<b>Relative density</b>	1.00 - 1.10 @ @ 20°C
<b>Solubility(ies)</b>	Soluble in water.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Comments</b>	Information given is applicable to the product as supplied.

#### 9.2. Other information

<b>Other information</b>	Not relevant.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Not applicable.
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#### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid exposure to high temperatures or direct sunlight.
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#### 10.5. Incompatible materials

<b>Materials to avoid</b>	Alkalis.
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#### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended.
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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

<b>Toxicological effects</b>	No information available.
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<b>General information</b>	This product has low toxicity.
<b>Ingestion</b>	May cause irritation. Symptoms following overexposure may include the following: Stomach pain. Nausea, vomiting. Diarrhoea.
<b>Skin contact</b>	Irritating to skin.
<b>Eye contact</b>	Irritating to eyes. May cause serious eye damage. Severe irritation, burning, tearing and blurred vision. Corneal damage.

### SECTION 12: Ecological Information

**Ecotoxicity** There are no data on the ecotoxicity of this product. Not regarded as dangerous for the environment.

#### 12.1. Toxicity

**Toxicity** Not considered toxic to fish.

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is biodegradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product is not bioaccumulating.

#### 12.4. Mobility in soil

**Mobility** The product is water-soluble and may spread in water systems.

#### 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** None known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** Do not discharge into drains or watercourses or onto the ground.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Reuse or recycle products wherever possible.

### SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

No transport warning sign required.

#### 14.4. Packing group

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Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

Not applicable.

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

**Transport in bulk according to** Not applicable.

**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

<b>National regulations</b>	The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).
<b>EU legislation</b>	<p>Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).</p> <p>Commission Regulation (EU) No 453/2010 of 20 May 2010.</p> <p>Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).</p> <p>Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).</p> <p>Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.</p> <p>Commission Regulation (EU) No 2015/830 of 28 May 2015.</p>
<b>Guidance</b>	<p>Workplace Exposure Limits EH40.</p> <p>ECHA Guidance on the Application of the CLP Criteria.</p> <p>ECHA Guidance on the compilation of safety data sheets.</p> <p>COSHH Essentials.</p> <p>Technical Guidance WM2: Hazardous Waste.</p>

### 15.2. Chemical safety assessment

No information available.

## SECTION 16: Other information

<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>DNEL: Derived No Effect Level.</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>PNEC: Predicted No Effect Concentration.</p> <p>MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.</p>
<b>Revision comments</b>	<p>New revision number applied to comply with Commission Regulation (EU) No 2015/830 Of 28 May 2015' NOTE: Lines within the margin indicate significant changes from the previous revision.</p>

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<b>Revision date</b>	03/07/2017
<b>Revision</b>	3
<b>Supersedes date</b>	16/11/2015
<b>SDS number</b>	21744
<b>Risk phrases in full</b>	R35 Causes severe burns. R38 Irritating to skin. R41 Risk of serious damage to eyes.
<b>Hazard statements in full</b>	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H331 Toxic if inhaled.

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