



Jangro Limited
James House
Worsley Road
Farnworth
Bolton
BL4 9NL

Tel. 0845 458 5223

JANGRO BB024-50

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PRODUCT SAFETY DATA SHEET

1 IDENTIFICATION OF PREPARATION AND THE SUPPLIER

Product Name: JANGRO KETTLE AND SHOWER DESCALER
Applications: Cleaning agent. Limescale remover.
Supplier: Jangro Limited, as above
Email: enquiries@jangrohq.net

Emergency Contact and Times:
01446 775577 Between: 8.30am and 4.45pm Mon - Fri

2 HAZARDS IDENTIFICATION

Irritating to eyes and skin
Classification: Xi; R38,R41

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	EC No.	CAS No.	Content	Classification (67/548)
Sodium Hydroxide	215-185-5	1310-73-2	1-5%	C; R35

The full text for all R-phrases are shown in section 16.

4 FIRST AID MEASURES

Inhalation: Move the exposed person to fresh air at once. Rise nose and mouth with water. Get medical attention if any discomfort continues.
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.

5 FIRE FIGHTING MEASURES

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with skin and eyes.
Environmental Precautions Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.
Spill Clean Up Methods Small quantities may be flushed to drains with plenty of water.
Large Spillages: Pick up with vacuum or absorbent solid, store in closed container

7 HANDLING AND STORAGE

Usage Precautions Avoid contact with skin and eyes.
Storage Precautions Store at moderate temperatures in dry, well ventilated area. Keep in original container.
Store away from: Oxidising material.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name		
Formic Acid...%		
CAS – No.:64-18-6	EC.:200-579-1	5-10%
Classification (EC 1272/2008) Ckin Corr. 1A – H314	Classification (67/548/EEC) C;R35	
Ammonium Formate		
CAS-No.:540-69-2	EC No.:	2.5-5%
Classification (EC 1272/2008) Skin Irr. 2 –H315 Eye Dam. 1 – H318	Classification (67/548/EEC) Xi;R38,R41.	

WEL = Workplace Exposure Limits

INGREDIENT COMMENTS:

WEL = Workplace Exposure Limit for COSHH assessments in the UK

ST = Short-Term Exposure Limit (15 minutes) & LT = Long-Term Exposure Limit (8 hours)

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.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid.
 Colour : Colourless
 Odour: Slight Odour, Acid.
 Solubility: Soluble in water
 Boiling Pt. (°C):
 Relative Density 1.00 – 1.10 @ 20 °C
 Flash Pt. (°C):
 Melting Point: (°C): 2.0 – 4..0
 pH-Value, Diluted solution:

10 STABILITY AND REACTIVITY

Stability: No particular stability concerns.
 Materials to Avoid: Alkalis.

11 TOXICOLOGICAL INFORMATION

Toxicological Information: Refer to section 2
 Other Health Effects: Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

12 ECOLOGICAL INFORMATION

Ecotoxicity: Not regarded as dangerous for the environment:
 Bio Accumulation: This product does not contain any substances expected to be bioaccumulating
 Degradability: Sequestrant is readily degraded during biological effluent treatment processes.

13 DISPOSAL CONSIDERATIONS

Disposal Method:

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. Consign empty container to normal waste.

14 TRANSPORT INFORMATION

Proper Shipping Name 1:

UN No Road:

ADR PACK GR:

RID Class No:

UN No Sea:

IMDG PACK GR:

UN No Air:

AIR PACK GR:

ADR Class;

Tunnel Restriction Code:

GRID PACK GROUP:

IMDG Class:

Marine Pollutant:

Air Class:

15 REGULATORY INFORMATION

LABELLING



IRRITANT

Risk Phrases:	R38 R41	Irritating to eyes and skin Risk of serious damage to eyes.
Safety Phrases:	S2 S24/25 S26 S37/39 S46	Keep out of reach of children. Avoid contact with skin and eyes In case of contact with eyes, rinse immediately with plenty of water and seek medical advice Wear suitable gloves and eye/face protection. If swallowed seek medical advice immediately and show this container label.

Environmental Listings:

Hazardous Waste (England and Wales) Regulations

EU Directives:

Systems of specific information relating to Dangerous Preparation. 2001/58/EC As amended by

Directives

93/112/EC and 2001/58/EC and 2006/8/EC

Statutory Instruments:

Chemicals (Hazards information and packaging) regulations. 2008

Approved Code of Practice:

The compilation of safety data sheets L130

Guidance Notes:

Workplace Exposure Limits EH40. As amended in 2005. Approved guide to the classification and

labelling

of substances and preparations dangerous for supply. L100.

16 OTHER INFORMATION

Information Sources:

Approved Supply List – HSC (Health and Safety Commissions) Material Safety Data Sheet, Misc. manufacturers

R-PHASES IN FULL

R-35

Causes severe burns

R-36/38

Irritating to eyes and skin



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JANGRO KETTLE & SHOWER DESCALER

Description

Fast acting descaler for use with kettles, irons, shower heads and coffee machines.

How to Use

- KETTLES** Fill kettle two thirds with warm water. Add 150ml of descaler. Leave for 4 hours or until fixing stops, then empty kettle. Refill with clean water, boil and flush out again before use. Repeat process if scale persists.
- COFFEE MACHINES** Pour 150ml of descaler into the reservoir. Add 600ml cold water. Switch machine on for 1 minute. Switch machine off and leave for 60 minutes. Boil through remainder of descaler solution. Boil twice and clean water.
- STEAM IRONS** Always unplug iron and allow to cool. Refer to manufacturers cleaning instructions before descaling. Add 50ml of descaler to water container of hand warm iron. Top up water container with warm water and set control to steam position. Gently shake iron over sink until solution starts to drain through the steam holes, allowing to drain for 30 minutes. Rinse thoroughly with cold water and dry.
- SHOWER HEADS** Add 50ml of descaler to 300ml of warm water in a plastic container. Immerse shower head in solution until scale is removed. Rinse out container and shower head thoroughly.

Typical Product Data

Appearance:	Liquid.
Colour :	Colourless
Odour:	Slight Odour, Acid.
Solubility:	Soluble in water

Biodegradability:

All surfactants used in Jangro products comply with the current European Regulations concerning Biodegradability and protection of the environment.