



Jangro Limited
James House
Worsley Road
Farnworth
Bolton
BL4 9NL

Tel. 0845 458 5223

JANGRO BB075

Revision October 2009

PRODUCT SAFETY DATA SHEET

1 IDENTIFICATION OF PREPARATION AND THE SUPPLIER

Product Name: JANGRO DISHWASH DETERGENT FOR SOFTENED WATER
Applications: Alkaline liquid detergent for dishwashing machines
Supplier: Jangro Limited, as above
Email: centraloffice@jangrohq.net

Emergency Contact and Times:

01772 318 818 Between: 8.30am and 4.45pm Mon- Fri

2 HAZARDS IDENTIFICATION

Causes severe burns.

Classification: C;R35

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	EC No.	CAS No.	Content	Classification
Sodium Hydroxide	215-185-5	1310-73-2	10-20%	C; R35
Amino Trimethyl Phosphonic Acid Penta Sodium Salt			1-5%	Xi; R36/38

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

4 FIRST AID MEASURES

Eye Contact: Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

Skin Contact: Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

Ingestion: DO NOT INDUCE VOMITING! Drink a few glasses of water or milk. Get medical attention immediately.

Inhalation: Not relevant. Inhalation unlikely.

5 FIRE FIGHTING MEASURES

Extinguishing Media: This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

Specific Hazards: By heating and fire, harmful vapours/gases may be formed.

Protective Measures in Fire: Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear suitable protective clothing, gloves and eye/face protection. (See Sec 8)

Environmental Precautions: Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to The Environment Agency or other appropriate regulatory body.

Spillage Clean Up Methods: Small quantities may be flushed to drains with plenty of water. Large spill: Pick up with vacuum or absorbent solid, store in closed container for disposal.

7 HANDLING AND STORAGE

Usage Precautions: Wear suitable protective clothing, gloves and eye/face protection.

Storage Precautions: Store at moderate temperatures in dry, well ventilated area. Keep in original containers. Store away from; oxidising material.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA = 8 hrs		STEL – 15 min	
Sodium Hydroxide	WEL				2mg/m3

INGREDIENT COMMENTS: WEL = Workplace Exposure Limits for COSHH assessments in the UK
ST = Short-Term Exposure Limit (15 minutes) & LT = Long-Term Exposure Limits (8 hours)

Protective Equipment:



Engineering Measures: Not relevant
Respiratory Equipment: Respiratory protection not required.
Hand Protection: Wear protective gloves (Household rubber gloves)
Eye Protection: Use approved safety goggles or face shield
Other Protection: Wear appropriate clothing to prevent any possibility of skin contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid.
Colour: Colourless
Odour: Characteristic
Solubility: Soluble in water
Boiling Pt. (°C): 102
Relative Density: 1.197 @ 20 °C
Flash Pt. (°C): Boils without flashing
Melting Point: (°C): -2
pH-Value, Conc: 11.60 @ 3ml per Litre

10 STABILITY AND REACTIVITY

Stability: No particular stability concerns
Materials to Avoid: Strong acids. Aluminium, Tin, Zinc and their alloys

11 TOXICOLOGICAL INFORMATION

Toxicological Information: Refer to section 2

12 ECOLOGICAL INFORMATION

Ecotoxicity: Potentially hazardous due to the alkalinity of the product
Bio Accumulation: This product does not contain any substances expected to be bioaccumulating.

13 DISPOSAL CONSIDERATIONS

Disposal Method: Discharge used solution to drain. Small Amounts (less than 5 litres) of unwanted product may be flushed with water to sewer. Large volumes must be sent for disposal as special waste. Rinse out empty container with water and consign to normal waste.

14 TRANSPORT INFORMATION

Label for Conveyance:



Proper Shipping Name :	Caustic Alkali Liquid, N.O.S (sodium hydroxide solution)	
UN No Road:	1719	
ADR Class:	Class 8: Corrosive substances	ADR PACK GR: II
RID Class No:	Class 8: Corrosive substances	RID PACK GR: II
UN No. Sea:	1719	
IMDG Class:	Class 8: Corrosive substances	IMDG PACK GR: II
Marine Pollutant :	No	
Air Class:	Class 8: Corrosive substances	AIR PACK GR: II

15 REGULATORY INFORMATION

Label for Supply:



CORROSIVE

Contains:	Sodium Hydroxide	
Risk Phrases:	R35	Causes severe burns
Safety Phrases:	S2	Keep out of reach of children.
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
Environmental Listings:	Hazardous Waste (England and Wales) Regulations	
EU Directives:	Systems of specific information relating to Dangerous Preparation. 2001/58/EC As amended by Directive 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. 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 Commission)
Material Safety Data Sheet, Misc. manufacturers

R-PHASES (Full Text)	R35	Causes severe burns
	R36/38	Irritating to eyes and skin



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DISHWASH DETERGENT FOR SOFTENED WATER

Description

Low foaming dishwashing detergent for use in soft water conditions. Suitable for use in all types of single and multi tank automatic dishwashing machines.

Features and Benefits

- Removes grease and dried on food
- Excellent cleaning performance in soft water conditions
- Will prevent scale formulation and redeposition of soil
- Supplied in a natural see-through container to easily check the volume
- Available in a choice of pack sizes

How to Use

Dispense into automatic dishwashing machine through an electronic dispenser at a ratio of 1-3ml per litre, depending on soiling and water hardness, in accordance with the manufacturers instructions.

NOT TO BE USED FOR HAND DISHWASHING OR IN DOMESTIC MACHINES

Composition

Contains a blend of sodium hydroxide solution, sequestering agents and dye.

Typical Product Data

Appearance:	Liquid.
Colour:	Colourless
Odour:	Characteristic
pH-Value, Conc:	11.60 @ 3ml per Litre

Storage

Store in original sealed container and protect from extremes of temperature

Biodegradability

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