



Jangro Limited
James House
Worsley Road
Farnworth
Bolton
BL4 9NL

JANGRO BB070

Revision April 2004

Tel. 0845 458 5223

PRODUCT SAFETY DATA SHEET

1 IDENTIFICATION OF PREPARATION AND THE SUPPLIER

Trade Name: JANGRO DISHWASH DETERGENT

Supplier: Jangro Limited, as above

2 INFORMATION ON INGREDIENTS

Ingredient Name	EINECS No.	CAS No.	% Range	Symbol	Risk Phrase
Sodium Hydroxide	215-185-5	1310-73-2	10-30%	C	35
Trisodium Nitrilo Triacetate	2258-768-6	5064-31-3	10-30%	Xi	36/38

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

3 HAZARDS IDENTIFICATION

Causes severe burns

4 FIRST AID MEASURES

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

Skin: 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 immediately

Inhalation: Not relevant. Inhalation unlikely.

5 FIRE FIGHTING MEASURES

Extinguishing Media: This material is not flammable. Use extinguishing media appropriate for surrounding fire.

Hazardous Decomposition: If involved in fire, may emit noxious fumes

Products:

Protective Measures in Fire: Protective clothing and respiratory protection should be worn when tackling fires involving this product.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions During Spill: Wear suitable protective clothing, gloves and eye/face protection.

Precautions to Protect Environment: Large spillages or uncontrolled discharge into rivers or streams must be reported to The Environment Agency or other regulatory body.

Spillage Cleanup Methods: Small quantities may be flushed to drains with plenty of water. Large spill: Absorb in vermiculite, dry sand or earth and place into containers. Send for disposal as special waste.

7 HANDLING AND STORAGE

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

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

8 PERSONAL PROTECTION/EXPOSURE CONTROLS

INGREDIENT NAME	CAS No	STD	LT EXP (8 hrs)	ST EXP (15 min)
Sodium Hydroxide	1310-73-2	OES	No std	2mg/m ³

INGREDIENT COMMENTS: OES = Occupational Exposure Standard

Protective Equipment:



Ventilation:	N/A
Respirators:	N/A
Protective Gloves:	Household rubber gloves
Eye Protection:	Use approved safety goggles or face shield
Other Protection:	Wear suitable protective clothing

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance/ Colour:	Liquid. Light Yellow
Odour:	Faint Ammonia
Solubility Description:	Soluble in water
Boiling Pt. (°C):	102 @ 760mmHg
Specific Gravity (Water=1):	1.24 @ 20 °C
Flash Pt. (°C):	Boils without flashing
Melting Point: (°C):	-2
pH-Value, Conc:	11.90
Concentration (%M):	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 3
----------------------------	--------------------

12 ECOLOGICAL INFORMATION

Environmental Hazards:	Potentially hazardous due to the alkalinity of the product
Bio Accumulation:	Completely soluble. No bioaccumulation.
Degradability:	Sequestrant is readily degraded during biological effluent treatment processes.

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

14 TRANSPORT INFORMATION

Label for Conveyance:



Road:	n/a	
UN No:	1719	
Hazard Class (ADR):	Class 8: Corrosive substances	ADR PACK GR: II
Proper Shipping Name 1:	Caustic Alkali Liquid, N.O.S (sodium hydroxide solution)	
Rail:		
Rail Transport Class No:	Class 8: Corrosive substances	RID PACK GR: II
Sea:		
UN Sea:	1719	
Sea Transport Class No:	Class 8: Corrosive substances	SEA PACK GR: II
Air:		
UN Air:	1719	
Air Transport Class No:	Class 8: Corrosive substances	AIR PACK GR: II

15 REGULATORY INFORMATION

Label for Supply:



CORROSIVE

Risk Phrases:	R-35	Causes severe burns
Safety Phrases:	S-2	Keep out of reach of children.
	S-36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S-26	In case of contact with eyes, rinse immediately with plant of water and seek medical advice.
	S-45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
UK Environmental Listings:	Control of pollution (special waste) regulations 1980.	
EC Directives:	Systems of specific information relating to Dangerous Preparation. 91/155	
Statutory Instruments:	Chemicals (Hazards information and packaging) regulations.	
Approved Code of Practice:	The compilation of safety date sheets L130	
Guidance Notes:	Occupational exposure limits EH40. Approved guide to the classification and labelling of substances and preparations dangerous for supply. L100.	

16 OTHER INFORMATION

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. However, the information is provided without any warrantee, express or implied regarding its correctness.

R-PHASES (Full Text)	R-35	Causes severe burns
	R-36/38	Irritating to eyes and skin