



Jangro Limited  
James House  
Worsley Road  
Farnworth  
Bolton  
BL4 9NL

Tel. 0845 458 5223

## PRODUCT SAFETY DATA SHEET

### 1 IDENTIFICATION OF PREPARATION AND THE SUPPLIER

Product Name: JANGRO GLASSWASH DETERGENT  
Applications: Alkaline liquid detergent for glass washing machines  
Supplier: Jangro Limited, as above

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

### 2 HAZARDS IDENTIFICATION

Irritating to eyes and skin  
Classification: Xi; R36/38

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	EC No.	CAS No.	Content	Classification (67/548)
AMINO TRIMETHYL PHOSPHONIC ACID PENTA SODIUM SALT			1-5%	Xi; R36/38
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: Not relevant. Inhalation unlikely.  
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

Extinguishing Media: This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.  
Specific Hazards: When heated and in case of 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: 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	Std	LT - ppm	LT – mg/m3	ST - ppm	ST – mg/m3	Notes
Sodium Hydroxide	WEL				2 mg/m3	

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 :                         Clear Un-dyed  
 Odour:                          Faint  
 Solubility:                      Soluble in water  
 Boiling Pt. (°C):                102  
 Relative Density                1.076 @ 20 °C  
 Flash Pt. (°C):                 Boils without flashing  
 Melting Point: (°C):            -2  
 pH-Value, Diluted solution:    10.60 @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  
 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

## Label for Conveyance:



Proper Shipping Name 1:	Corrosive Liquid, Basic, Inorganic, N.O.S (sodium hydroxide solution)		
UN No Road:	3266	ADR Class;	Class 8: Corrosive substances
ADR PACK GR:	III	Tunnel Restriction Code:	(E)
RID Class No:	Class 8: Corrosive substances	RID PACK GROUP:	III
UN No Sea:	3266	IMDG Class:	Class 8: Corrosive substances
IMDG PACK GR:	III	Marine Pollutant:	No.
UN No Air:	3266	Air Class:	Class 8: Corrosive substances
AIR PACK GR:	III		

15 REGULATORY INFORMATION  
LABELLING

## IRRITANT

Risk Phrases:	R36/38	Irritating to eyes and skin
Safety Phrases:	S2	Keep out of reach of children.
	S24/25	Avoid contact with skin and eyes
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S46	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

Revision Comments: New formulation. No change to classification (Changes to Comp Sec also 3, 9 & 16)

R-PHASES IN FULL

R-35 Causes severe burns  
R-36/38 Irritating to eyes and skin



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## GLASSWASH DETERGENT

### Description

Concentrated low foam detergent formulated to remove soil from drinking glasses and leave them clean and bright. Suitable for use in all types of automatic glasswashing machines.

### Features and Benefits

- Removes all soil deposits and provides clean and hygienic glassware
- Prevents soil and limescale being redeposited
- Does not affect beer head retention
- Effective in all water conditions
- 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 glasswashing machine through an electronic dispenser at a ratio of 1-3 ml per litre, depending on soiling and water hardness, in accordance with the machine manufacturers instructions.

For best results, use in conjunction with GLASSWASH RINSE AID

### NOT TO BE USED FOR HAND GLASSWASHING

### Composition

Contains a blend of sodium hydroxide, sequestering agents and dye

### Typical Product Data

Appearance/ Colour:	Liquid. Clear Yellow
Odour:	Faint Ammonia
Solubility Description:	Soluble in water
Boiling Pt. (°C):	102
Flash Pt. (°C):	Boils without flashing
Melting Point: (°C):	-2
pH-Value:	10.60

### 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