



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 DISHWASH RINSE AID
Applications: Rinse-aid for dish and 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

Not regarded as a health or environmental hazard under current legislation.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	EC No.	CAS No.	Content	Classification
Fatty Alcohol Alkoxlate 221			5-10%	Xi; R36/38
Fatty Alcohol Alkoxlate 223			1-5%	Xi; R36/38
Sodium Cumene Sulphonate	250-913-5	32073-22-6	1-5%	Xi; R36

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

Composition Comments: The ingredients are present in non-hazardous concentrations.

4 FIRST AID MEASURES

Eyes: Promptly wash eyes with plenty of water while lifting the eye lids.
Skin: Wash skin with soap and water
Ingestion: DO NOT INDUCE VOMITING! Drink a few glasses of water or milk. Get medical attention if any discomfort continues.
Inhalation: Not relevant. Inhalation unlikely.

5 FIRE FIGHTING MEASURES

Extinguishing Media: This material 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 During Spill: No special protective clothing. (See Sec 8)
Precautions to Protect Environment: Spillages or uncontrolled discharge 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: Absorb in vermiculite, dry sand or earth and place into containers. Send for disposal by approved waste contractor.

7 HANDLING AND STORAGE

Usage Precautions: No specific usage precautions noted.
Storage Precautions: Store at moderate temperatures in dry, well ventilated area. Keep in original container. Store away from: oxidising material.

8 PERSONAL PROTECTION/EXPOSURE CONTROLS

Engineering Measures : Not relevant
Respiratory Equipment: Respiratory protection not required.
Hand Protection: No specific hand protection noted, but protection for the skin is advisable to prevent removal of natural oils from skin.
Eye Protection: None required.
Other Protection: None required.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid
Odour: Faint
Solubility: Soluble in water
Boiling Pt. (°C): 103 @ 760mmHg
Specific Gravity (Water=1): 1.012 @ 20 °C
Flash Pt. (°C): Boils without flashing
Melting Point: (°C): -3
pH-Value, Conc Solution: 2.50
Colour: Clear Blue

10 STABILITY AND REACTIVITY

Stability: No particular stability concerns.
Materials to Avoid: No incompatible groups noted.

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: The product does not contain any substances expected to be bioaccumulating.
Degradability: Surfactant is readily broken down by effluent treatment process

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. Consign empty container to normal waste.

14 TRANSPORT INFORMATION

General: Not classified for transport

15 REGULATORY INFORMATION

Risk Phrases:	NC	Not classified
Safety Phrases:	S-2 S-46 P-13	Keep out of reach of children. If swallowed seek medical advice immediately and show this container label. Safety data sheet available for professional user on request.
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	
Risk Phrases in full:	R-36 R-36/38	Irritating to eyes Irritating to eyes and skin



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DISHWASH RINSE AID

Description

Concentrated blend of low foaming surfactants to promote the rapid drying of glassware, crockery and kitchen utensils. For use in single and multi tank automatic dish and glasswashing machines in kitchens, canteens, restaurants, hotels and bars.

Features and Benefits

- Concentrated formulation, economical in use
- Eliminates water spotting and provides streak free results
- Contains ingredients to prevent formulation of scale during rinse cycle
- Suitable in soft, medium and hard 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 dishwashing machine through an electronic dispenser, at a rate of 1-2ml per litre, in accordance with the machine manufacturers instructions

Composition

A blend of low foaming non-ionic surfactants solubilisers, organic acid, phosphonic acid and dye

Typical Product Data

Appearance:	Clear liquid
Odour:	Characteristic
Specific gravity (20°C):	1.018
Colour:	Blue
pH-undiluted:	2.1
pH-diluted 2mls/lit:	3.6
Shelf Life Unopened:	Not less than 3 years

Packaging

Pack:
5lt
10lt
20lt

Storage

Store in original sealed container and protect from extremes of heat

Biodegradability

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