



Jangro Limited
 Jangro House
 Worsley Road
 Farnworth
 Bolton
 BL4 9LU

Tel. 0845 458 5223

PRODUCT SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name: JANGRO DISHWASH RINSE AID 10 litre
 Product Code: BB085-20, BB085-10 & BB085-5

1.2 Relevant identified uses of the substances or mixture and uses advised against

Identified Uses: Rinse-aid

1.3 Details of the supplier of the safety data sheet

Supplier: Jangro Limited
 Jangro House
 Worsley Road
 Farnworth
 Bolton, UK
 BL4 9NL
 Tel; 0845 458 5223
 Fax; 01204 576 801
enquires@jangrohq.net

1.4 Emergency telephone number

Emergency Contact and Times:
 01772 318818 between 8.30am and 4.45pm Mon-Fri

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture Classification (1999/45/EEC): Not Classified.

2.2 Label elements

Risk Phrases
 NC Not Classified

Safety Phrases

S2 Keep out of the reach of children
 S46 If swallowed, seek medical advice immediately and show this container or label.
 P13 Safety Data Sheet available for professional user on request.

2.3 Other Hazards This product does not contain any PBT or vPvB Substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Ingredient Name	EC No.	CAS No.	Content	Classification
Fatty Alcohol Alkoxlate 221			5-10%	Xi; R36/38
Classification (EC1272/2008)				Classification (67/548/EEC)
Skin Irrit.2 –H315				Xi;R36/38.
Eye Irrit.2 –H319				
Fatty Alcohol Alkoxlate 223			1-5%	Xi; R36/38
Classification (EC1272/2008)				Classification (67/548/EEC)
Skin Irrit.2 –H315				Xi;R36/38.
Eye Irrit.2 –H319				

Sodium Cumene Sulphonate	250-913-5	32073-22-6	1-5%	Xi; R36
Classification (EC1272/2008) Eye Irrit.2 –H319		Classification (67/548/EEC) Xi;R36.		

The full text for all R-phrases and Hazard Statements are displayed in section 16.

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

SECTION 4: FIRST AID MEASURES

4.1 Description of 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. In case of inhalation of spray mist: Move person into fresh air and keep at rest.

4.2 Most important symptoms and effects, both acute and delayed

General information: The severity of the symptoms described will vary dependant of the concentration and the length of exposure.
 Inhalation: No specific symptoms noted.
 Ingestion: No specific symptoms noted. But- May cause discomfort if swallowed.
 Skin Contact: No specific symptoms noted. But prolonged or excessively repeated skin contact would lead to removal of natural oils from skin.
 Eye Contact: No specific symptoms noted. But prolonged eye contact may lead to the product affecting the natural lubrication provided by the mucous membranes.

4.3 Indication of any immediate medical attention and special treatment needed.

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Specific Hazards: When heated and in case of fire, harmful vapours/gases may be formed.

5.3 Advice for fire-fighters

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures.

Personal Precautions: No special protective clothing. (see sec 8)

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up.

Spillage 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 for disposal.

6.4 Reference to other sections

For personal protection, see section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

No specific usage precautions noted.

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage Description: see product information sheet & label for detailed use of this product.

SECTION 8: PERSONAL PROTECTION/EXPOSURE CONTROLS

8.1 Control parameters

Ingredient comments: No exposure limits noted for ingredients(s).

8.2 Exposure controls

Engineering controls: 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic 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

9.2 Other information None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No specific reactivity hazards associated with this product.

10.2 Chemical stability

No particular stability concerns.

10.3 Possibility of hazardous reactions

See sections 10.1, 10.4 & 10.5

10.4 Conditions to avoid

There are no known conditions that are likely to result in a hazardous situation.

10.5 Incompatible materials

Materials to avoid : No incompatible groups noted.

10.6 Hazardous decomposition products

No hazardous decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicological Information: We have not carried out any animal testing, therefore we have no Toxicological Data specifically for this product. The Toxicological Data, where provided by the raw material manufacturer, can be made available on request.

Other Health Effects: Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not regarded as dangerous for the environment.

12.1 Toxicity

We have not carried out any Aquatic testing, therefore we have no aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

12.2 Persistence and degradability

Degradability: Surfactant is readily broken down by effluent treatment processes.

12.3 Bioaccumulative potential

Bioaccumulative potential: The product does not contain any substances expected to be bioaccumulating.

12.4 Mobility in soil

Mobility: Not known.

12.5 results of PBT and vPvB assessments

This product does not contain any PBT or vPvB substances.

12.6 Other adverse effects

Not known

SECTION 13: DISPOSAL CONSIDERATIONS13.1 Waste treatment methods

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. Consign empty container to normal waste.

SECTION 14: TRANSPORT INFORMATION

Not classified for transport

SECTION 15: REGULATORY INFORMATION15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

Guidance Notes: Workplace Exposure Limits EH40.

EU Legislation: Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is as classified under CHIP Directive 1999/45/EEC Classification, Packaging & Labelling of Dangerous Preparations. Ingredients are listed with classification under both CHIP – Directive 67/548/EEC – classification, packaging & labelling of dangerous substances & GHS/CLP – Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

15.2 Chemical Safety Assessment: Not applicable this product is a mixture.

SECTION 16: OTHER INFORMATION

Information Sources: Material Safety Data Sheet, misc. manufacturers. CLP Class – Table 3.1 List of harmonised classification and labelling of hazardous substances. CHIP Class – Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC.

Revision Comments: New Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). No change in Product Classification – Main change is the move of labelling elements from Section 15 to Section 2 & Section 3 now has a different layout for the ingredients and lists their classification in both CHIP & CLP format.

Revision Date: 01/10/2012

Revision: Issue 4.

Safety Data Sheet Status: This Risk Phrases/ Hazard Statements listed below in this Section No 16 relate to the Raw Materials (ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Risk Phrases/ Hazard Statements relating to this product see Section 2.

Risk Phrases in full;

R36/38 Irritating to eyes and skin.
R36 Irritating to eyes.
NC not classified.

Hazard Statements in full;

H319 Causes serious eye irritation.
H315 Causes skin irritation.



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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:	Liquid
Odour:	Characteristic
Specific gravity (20°C):	1.012
Colour:	Blue
pH-undiluted:	2.5
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