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## PRODUCT SAFETY DATA SHEET

### 1 IDENTIFICATION OF PREPARATION AND THE SUPPLIER

Trade Name: JANGRO HARD SURFACE CLEANER  
Supplier: Jangro Limited, as above

### 2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	EINECS No.	CAS No.	% Range	Symbol	Risk Phrase
Sodium Dodecylbenzenesulphonate	246-680-4	25155-30-0	1 – 5%	Xn	22, 36/38
Alcohol (C9-C11) Ethoxylate (6EO)		68439-45-2	1 – 5%	Xn, Xi	22, 41
2-Butoxyethanol	203-905-0	111-76-2	5 – 10%	Xn	20/21/22, 36/38
Trisodium Nitrilo Triacetate	225-768-6	5064-31-3	1 – 5%	Xi	36/38
2-Aminoethanol	205-483-3	141-43-5	1 – 5%	Xn	20, 36/37/38

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

COMPOSITION COMMENTS: The ingredients are present in non-hazardous concentrations.

### 3 HAZARDS IDENTIFICATION

Not classified as hazardous

### 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 extinguishing media appropriate for surrounding fire.  
Protective Measures in fire: If involved in fire, may emit noxious fumes.  
Protective clothing and respiratory protection should be worn when tackling fires involving this product.

### 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: No special protective clothing  
Environmental Precautions: Large spillages or uncontrolled discharges into rivers or streams must be reported to The Environment Agency or other regulatory body.  
Spillages: 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

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

**8**      EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>INGREDIENT NAME</b>	<b>CAS No</b>	<b>STD</b>	<b>LT EXP (8 hrs)</b>	<b>ST EXP (15 min)</b>
2-Butoxyethanol	111-76-2	OES	25 ppm (Sk)	50 ppm (Sk)
2-Aminoethanol	141-43-5	OES	3 ppm	6 ppm

INGREDIENT COMMENTS: OES = Occupational Exposure Standard

Respiratory Protection:      None 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

Physical Form:                Liquid.  
Colour:                         Clear. Blue.  
Odour:                         Floral.  
pH Value, Conc:               12.30  
Boiling Pt. (°C):              100 @ 760mmHg  
Melting Pt. (°C):              -1  
Flash Pt. (°C):                Boils without flashing  
Specific Gravity (Water=1)    1.019 @ 20°C  
Solubility in Water:         Soluble

**10**     STABILITY AND REACTIVITY

Stability:                      No particular stability concerns.

**11**     TOXICOLOGICAL INFORMATION

Toxicological Information:    Refer to section 3.  
Other Health Effects:         Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

**12**     ECOLOGICAL INFORMATION

Environmental Hazards:      Not regarded as dangerous for the environment.  
Bio Accumulation:            Completely soluble. No bioaccumulation.  
Degradability:                Surfactant is readily broken down by effluent treatment process.

**13**     DISPOSAL CONSIDERATIONS

Product:                        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 by approved waste contractor.  
Packing:                        Consign empty container to normal waste.

**14**     TRANSPORT INFORMATION

General:                        Not classified for transport  
Road:                            ---  
Rail:                             ---  
Sea:                              ---  
Air:                               ---

**15**      REGULATORY INFORMATION

Product Name:            Jangro Hard Surface Cleaner  
Risk Phrases:            Not classified.  
Safety Phrases:         S2     Keep out of reach of children  
                                 S46    If swallowed seek medical advice immediately and show this container label.  
                                 P-13   Safety data sheet available for professional user on request.

UK Environmental Listings:    Control of Pollution (Special Waste) Regulations 1980.  
EC Directives:                System of specific information relating to Dangerous Preparations. 91/155.  
                                      As amended by Directive 93/112/EC and 2001/58/EC.  
Statutory Instruments:        Chemicals (Hazard Information and Packaging) Regulations. 2002.  
Approved Code of Practice:    The compilation of Safety Data 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 safety requirements. However, the information is provided without any warranty, express or implied, regarding its correctness.

Risk Phrases (Full text):	R20	Harmful by inhalation.
	R22	Harmful if swallowed.
	R41	Risk of serious damage to eyes.
	R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
	R36/37/38	Irritating to eyes, respiratory system and skin.
	R36/38	Irritating to eyes and skin.