



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 HARD SURFACE CLEANER
Applications: Alkaline liquid hard surface cleaner
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
2-Butoxyethanol	203-905-0	111-76-2	5-10%	Xn;R20/21/22, Xi; R36/38
Turpentine, oil	232-350-7	8006-64-2	0-1%	R10 Xn; R20/21/22,R65 R43 Xi;R36/38 N;R51/53
2-Aminoethanol	205-483-3	141-43-5	1-5%	C;R34 Xn; R20/21/22
Sodium Dodecyl Benzene Sulphonate	246-680-4	25155-30-0	1-5%	Xn;R22 Xi;R36/38
Alcohol (C9-C11) Ethoxylate (6EO)		68439-45-2	1-5%	Xn; R22 Xi;R41

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

Eye Contact: Promptly wash eyes with plenty of water while lifting the eye lids.
Skin Contact: 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 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 measure in fire: Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: No special protective clothing (See Sec 8)
Environmental Precautions: Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to The Environment 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 for disposal.

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 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std	LT - ppm	LT – mg/m3	ST - ppm	ST – mg/m3
2-Butoxyethanol	WEL	25 ppm(Sk)		50 ppm(Sk)	
2-Aminoethanol	WEL	3 ppm	7.6mg/m3	6 ppm	15 mg/m3
Turpentine, oil	WEL	100 ppm	566 mg/m3	150 ppm	850 mg/m3

INGREDIENT COMMENTS: WEL = Workplace Exposure Limits for COSHH assessments in the UK
 ST = Short-Term Exposure Limits (15 minutes) & LT = Long Term Exposure Limits (8 hours).

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.

Colour: Clear. Blue.

Odour: Ocean.

pH Value, Conc Solution: 12.30

Boiling Pt. (°C): 100 @ 760mmHg

Melting Pt. (°C): -1

Flash Pt. (°C): Boils without flashing

Relative Density: 1.004 @ 20°C

Solubility: Soluble in Water

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 Methods: 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.
 Consign empty container to normal waste.

14 TRANSPORT INFORMATION

General: Not classified for transport

15 REGULATORY INFORMATION

Risk Phrases: NC Not classified.

Safety Phrases: S2 Keep out of reach of children
S46 If swallowed seek medical advice immediately and show this container or label.
P-13 Safety data sheet available for professional user on request.

Environmental Listings: Hazardous Waste (England and Wales) Regulations
EU Directives: System of specific information relating to Dangerous Preparations. 2001/58/EC
As amended by Directive 93/112/EC and 2001/58/EC and 2006/8/EC
Statutory Instruments: Chemicals (Hazard Information and Packaging for supply) Regulations. 2009 (S.I 2009 No.716). 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 Labeling 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
Revision comments: New formulation no change in product classification. (Changes made to sections 3,8,9 & 16)

Risk Phrases In Full: R20/21/22 Harmful by inhalation, in contact with skin and if swallowed
R22 Harmful if swallowed
R34 Causes burns
R36/38 Irritating to eyes and skin
R37 Irritating to respiratory system
R41 Risk ok serious damage to eyes
R10 Flammable
R65 Harmful: May cause lung damage if swallowed
R43 May cause sensitization by skin contact
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment



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HARD SURFACE CLEANER

Description

Efficient, quick acting general purpose cleaner. Highly recommended for professional users where a strong, all-purpose cleaning product is required. For use on a variety of hard surfaces including vinyl, rubber, concrete, fiberglass, paintwork, ceramic, porcelain and plastics.

Features and Benefits

- Quick acting cleaner and degreaser
- Will remove stubborn stains and heavy soiling
- Leaves a clean fresh fragrance
- Suitable for a wide range of cleaning applications
- Ideal in a spray on wipe off cleaning system
- Highly recommended for spray cleaning floors

How to Use

GENERAL CLEANING & PAINTWORK:

Dilute 50ml per 5 litres of hot water.

HEAVY DIRT & GREASE:

Dilute 200ml per 5 litres of hot water.

SPRAY CLEANING FLOORS:

Dilute 100ml per 5 litres of cold water
Spray surface lightly and burnish floor

Composition

Contains a blend of anionic surfactant, nonionic surfactant, alkanolamine, sequestering agent, glycol ether, perfume and dye

Typical Product Data

Appearance:	Liquid.
Colour:	Clear. Blue.
Odour:	Ocean.
pH Value, Conc Solution:	12.30
Solubility:	Soluble in Water
Shelf Life Unopened:	Not less than 3 years

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.