



Jangro Limited
James House
Worsley Road
Farnworth
Bolton
BL4 9NL

Tel. 0845 458 5223

JANGRO BA060-5

Revision March 2010

PRODUCT SAFETY DATA SHEET

1 IDENTIFICATION OF PREPARATION AND THE SUPPLIER

Product Name: JANGRO HEAVY DUTY CLEANER CONCENTRATED
Applications: Alkaline Heavy Duty, Hard Surface cleaner and degreaser
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

Name	EC No.	CAS No.	Content	Classification
Sodium Metasilicate			5-10%	C,R34, Xi;R36/38
Sodium (C10-16) Alkyl Ethoxy Sulphate		68585-34-2	1-5%	Xi;R36,R38
Sodium Dodecyl Benzene Sulphonate	246-680-4	25155-30-0	1-5%	Xn;R22, Xi;R36/38
Sodium Cumene Sulphonate	250-913-5	32073-22-6	1-5%	Xi;R36
Trisodium Nitrilo Triacetate	225-768-6	5064-31-3	1-5%	Xi;R36/38

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

4 FIRST AID MEASURES

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.
Skin Contact: Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Ingestion: DO NOT INDUCE VOMITING! Drink a few glasses of water or milk. Get medical attention.
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: 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 : Avoid contact with eyes. Avoid contact with skin
Environmental Precautions: 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 spillages pick up with vacuum or absorbent solid, store in closed container for disposal.

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 PERSONAL PROTECTION/EXPOSURE CONTROLS

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.
 Odour: Citrus
 Solubility: Soluble in water
 Boiling Pt. (°C): 101 @ 760mmHg
 Relative Density: 1.080 @ 20 °C
 Flash Pt. (°C): Boils without flashing
 Melting Point: (°C): -1
 pH-Value, Conc Solution: 13.10
 Colour: Clear Red Brown

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: This product, at use dilutions, is readily broken down in biological effluent treatment plants.

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. Rinse out empty container with water and consign to normal waste.

14 TRANSPORT INFORMATION

Label for Conveyance:



Proper Shipping Name 1:	Corrosive Liquid, Acidic, Inorganic, N.O.S (disodium trioxosilicate)		
UN No Road:	3266	ADR Class:	Class 8: Corrosive substances
ADR PACK GR:	III	RID Class No:	Class 8: Corrosive substances
RID PACK GR:	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

Label for Supply:

**IRRITANT**

Risk Phrases:	R-36/38	Irritating to eyes and skin
Safety Phrases:	S-2	Keep out of reach of children.
	S-24/25	Avoid contact with skin and eyes
	S-26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S-46	If swallowed seek medical advice immediately and show this container or label.
Environmental Listings:	Hazardous Waste (England and Wales) Regulations.	
EU Directives:	Systems of specific information relating to Dangerous Preparations. 2001/58/EC As amended by Directive 93/112/EC, 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-22	Harmful if swallowed
	R-34	Causes burns
	R-36	Irritating to eyes
	R-38	Irritating to skin
	R36/38	Irritating to eyes and skin.



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HEAVY DUTY CLEANER CONCENTRATED

Description

Multi purpose heavy duty detergent for the removal of oil, grease and heavy soiling. It is suitable for use on concrete, vinyl, rubber, plastic, painted and all washable surfaces.

Features and Benefits

- Versatile, concentrated, multi purpose cleaner
- Contains natural orange extract ingredients
- Rapid removal of oil, grease and grime
- ideal for cleaning floors in garages and engineering workshops

How to Use

GENERAL CLEANING:

Dilute 50ml per 5 litres of hot water.
Mop, wipe or scrub the soiled surface

HEAVY SOILAGE:

Dilute 200ml per 5 litres of hot water.
Mop, wipe or scrub the soiled surface

TO REMOVE OIL AND GREASE:

Dilute 500ml per 5 litres of hot water.
Mop, wipe or scrub the soiled surface

Composition

Contains a blend of sodium metasilicate, anionic surfactant, solubiliser, sequestering agent, citrus terpenes and dye

Typical Product Data

Appearance:	Clear liquid
Odour:	Citrus
Specific Gravity (20°C):	1.08
Colour:	Red/Brown
pH-undiluted:	13.1
pH-diluted 1:25:	12.0
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.