



Jangro Limited
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JANGRO BB140

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Tel. 0845 458 5223

PRODUCT SAFETY DATA SHEET

1 IDENTIFICATION OF PREPARATION AND THE SUPPLIER

Trade Name: JANGRO BEER PIPELINE CLEANER

Supplier: Jangro Limited, as above

2 INFORMATION ON INGREDIENTS

Ingredient Name	EINECS No.	CAS No.	% Range	Symbol	Risk Phrase
2-Phosphono-1,2,4-Butane Tricarboxylic Acid Trisodium Salt			1-5%	C	34
Sodium Hydroxide	215-185-5	1310-73-2	1-5%	C	35
Sodium Hypochlorite	231-668-3	7681-52-9	1-5%	C	31,34

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

3 HAZARDS IDENTIFICATION

Causes burns.

Contact with acids liberates toxic gases

4 FIRST AID MEASURES

Eyes: Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

Skin: Remove contaminated clothing. Get medical attention if irritation persists after washing.

Ingestion: Do not induce vomiting! Drink a few glasses of water or milk. Get medical attention immediately.

Inhalation: Not relevant. Inhalation unlikely.

5 FIRE FIGHTING MEASURES

Extinguishing Media: This material is not flammable. Use extinguishing media appropriate for surrounding fire.

Hazardous Decomposition: If involved in fire, may emit noxious fumes

Products:

Protective Measures in Fire: Protective clothing and respiratory protection should be worn when tackling fires involving this product.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear suitable protective clothing, gloves and eye/face protection.

Precautions to Protect Environment: Large spillages or uncontrolled discharge into rivers or streams must be reported to The Environment Agency or other regulatory body.

Spillage Cleanup 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 as special waste.

7 HANDLING AND STORAGE

Usage: Wear suitable protective clothing, gloves and eye/face protection.

Storage: Store in a cool place away from light. Keep in original container. Keep containers tightly Closed.

8 PERSONAL PROTECTION/EXPOSURE CONTROLS

INGREDIENT NAME	CAS No	STD	LT EXP (8 hrs)	ST EXP (15 min)
Sodium Hydroxide	1310-73-2	OES	no std.	2mg/m ³

INGREDIENT COMMENTS: OES = Occupational Exposure Standard

Protective Equipment:



Ventilation:	N/A
Respirators:	N/A
Protective Gloves:	Household rubber gloves
Eye Protection:	Use approved safety goggles or face shield
Other Protection:	Wear suitable protective clothing.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance/ Colour:	Liquid/ Clear. Colourless
Odour:	Chlorine
Solubility Description:	Soluble in water
Boiling Pt. (°C):	102 @ 760mmHg
Specific Gravity (Water=1):	1.120 @ 20 °C
Flash Pt. (°C):	Boils without flashing
Melting Point: (°C):	-3
pH-Value, Conc:	12.30

10 STABILITY AND REACTIVITY

Stability:	Inadequately vented containers may become pressurised
Condition to Avoid:	Heat and direct sunlight
Materials to Avoid:	Strong acids. Aluminium, Tin, Zinc and their alloys
Hazardous Decomposition Products:	Toxic chlorine gas is released if product is mixed with acidic materials

11 TOXICOLOGICAL INFORMATION

Toxicological Information: Refer to section 3

12 ECOLOGICAL INFORMATION

Environmental Hazards:	Potentially hazardous due to the acidity of the product.
Bio Accumulation:	Completely soluble. No bioaccumulation.
Degradability:	Sequestate is readily degraded during biological effluent treatment processes.

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:



Road:
 UN No: 1719
 Hazard Class (ADR): Class 8: Corrosive substances ADR PACK GR: iii
 Proper Shipping Name 1: Caustic Alkaline Liquid, N.O.S (sodium hydroxide solution and hypochlorite solution)

Rail:
 Rail Transport Class No: Class 8: Corrosive substances RID PACK GR: iii

Sea:
 UN Sea: 1719
 Sea Transport Class No: Class 8: Corrosive substances SEA PACK GR: iii

Air:
 UN Air: 1719
 Air Transport Class No: Class 8: Corrosive substances AIR PACK GR: iii

15 REGULATORY INFORMATION

Label for Supply:

**CORROSIVE**

Risk Phrases:	R-34	Causes burns
	R-31	Contact with acids liberates toxic gas.
Safety Phrases:	S-2	Keep out of reach of children.
	S-36/37/39	Wear suitable protective clothing, gloves and eye/face protective.
	S-26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S-45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
	S-3/9/49	Keep only in the original container in a cool, well ventilated place.

UK Environmental Listings:	Control of pollution (special waste) regulations 1980.
EC Directives:	Systems of specific information relating to Dangerous Preparation. 91/155 As amended by Directive 93/112/EC and 2001/58/EC
Statutory Instruments:	Chemicals (Hazards 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 the safety requirements. However, the information is provided without any warranty, express or implied regarding its correctness.

R-PHASES (Full Text)	R-31	Contact with acids liberates toxic gas.
	R-34	Causes burns
	R-35	Causes severe burns