



Jangro Limited
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PRODUCT SAFETY DATA SHEET

1 IDENTIFICATION OF PREPARATION AND THE SUPPLIER

Trade Name: JANGRO THICKENED BLEACH
Supplier: Jangro Limited, as above

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	EINECS No.	CAS No.	% Range	Symbol	Risk Phrase
Sodium Hypochlorite Solution, available Chlorine		7681-52-9	0-5	C	R31-34
Amine Oxide	273-281-2	68955-55-5	0-5	Xi	R38-41
Sodium Hydroxide	215-185-5	1310-73-2	<0.5	C	R35

COMPOSITION COMMENTS: Viscous bleach formulated to cling to surfaces.

3 HAZARDS IDENTIFICATION

Irritating to skin and eyes. Contact with acids liberates toxic gas (chlorine)

4 FIRST AID MEASURES

Eyes: Keeping eye open, immediately irrigate thoroughly with water or eyewash for 15 minutes. Obtain medical attention immediately.
Skin: Remove contaminated clothing. Wash thoroughly with plenty of running water. Obtain medical attention if symptoms develop.
Ingestion: Do not induce vomiting. Provided the patient is conscious, wash out mouth with water and give water to drink. Obtain medical attention immediately.
Inhalation: If exposed to chlorine or other vapours, remove to fresh air. Obtain medical attention.

5 FIRE FIGHTING MEASURES

Extinguishing Media: Water, foam or dry chemical.

Non-combustible but when involved in a fire, toxic vapours (chlorine) will be evolved, thus a self-contained breathing apparatus should be worn.

6 ACCIDENTAL RELEASE MEASURES

Small Spillage: Dilute to waste with plenty of water.

Large Spillage: Wearing protective clothing including rubber boots, absorb with sand, earth or granules (do not use sawdust or paper). Wash down site well with water.

7 HANDLING AND STORAGE

Handling: Adequate ventilation is required. Avoid contact with skin and eyes. Do not breathe mist. Avoid contact with other cleaning agents.

Storage: Store in cool place away from direct sunlight.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Wear PVC or rubber gloves, aprons, eye shields when handling concentrate.

Occupational Exposure Limits:

Hazardous Ingredient	LTEL 8hr ppm	TWA mg/m3	STEL ppm	mg/m3
Sodium Hydroxide	-	-	-	2
In case of chlorine emission, the OEL for chlorine should be observed:				
Chlorine	0.5	1.5	1	2.9

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Pale yellow liquid
Odour:	Faintly chlorinous
pH:	Typical 12.7
Flash Point °C	n/a
Relative Density (20°C)	1.09 typical
Solubility in Water	Soluble

10 STABILITY AND REACTIVITY

Stability: Product decomposes over time. Factors that increase the rate of decomposition are: increase in temperature, certain metallic impurities, high initial concentration, fall in pH below 11, and exposure to light.

Conditions to Avoid: Contact with acids, most metals, high temperatures, direct sunlight

Materials to Avoid: Corrosive to most metals, to painted surfaces and to most organic materials.

Hazardous Decomposition Products:
Chlorine gas.

11 TOXICOLOGICAL INFORMATION

Inhalation: Little hazard if stored correctly. Vapour containing chlorine irritates the nose, throat and lungs.

Ingestion: Will irritate the mouth, throat and stomach.

Skin: Will cause irritation. Repeated or prolonged contact may cause irritation and eventually dermatitis.

Eyes: Will cause irritation and inflammation.

12 ECOLOGICAL INFORMATION

Environmental Hazards: Biodegradable. To safeguard the environment, this product is rapidly broken down after use into harmless materials by sewage treatment and natural processes.

13 DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose of according to Local Authority regulations. Wash out containers with water before disposal.

14 TRANSPORT INFORMATION

Road: Not classified as hazardous

UN No:

TREM Card No:

ADR/RID Class:

IMDG Class and Packaging Group:

Proper Shipping Name:

Marine Pollutant:

Customs Tariff:

15 REGULATORY INFORMATION

CHIP Classification: Irritant
Hazard Symbol: Xi

Risk Phrases:	R-31	Contact with acids liberates toxic gas.
	R36/38	Irritating to eyes and skin/
Safety Phrases:	S2	Keep out of reach of children
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S28	After contact with skin, wash immediately with plenty of water
	S50	Do not mix with other chemicals.

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 warrantee, express or implied regarding its correctness.

Text of the R-phrases that are allocated to the ingredients listed in section 2 of this safety data sheet.

R31	Contact with acids liberates toxic gas
R34	Causes burns
R35	Causes severe burns
R38	Irritating to skin
R41	Risk of serious damage to eyes.