



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
Product No: BC015 - 5

1.2 Relevant identified uses of the substance of mixture and uses advised against

Identified uses: Disinfecting and cleaning

1.3 Details of the supplier of the safety data sheet

Supplier: Jangro Limited
Jangro House
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1.4 Emergency telephone number

Emergency Contact 01865407333

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (1999/45/EEC) Xi:R36.R31

2.2 Label elements



Irritant

Risk Phrases	R31 R36	Contact with acids liberates toxic gas Irritating to eyes
Safety Phrases	S2 S25 S26	Keep out of the reach of children Avoid contact with eyes. in case contact with eyes, rise immediately with plenty of water and seek medical advice.

2.3 Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

SODIUM HYPOCHLORITE SOLUTION% CI ACTIVE			2.5 – 5 %
CAS No.: 7681-52-9	EC No.: 231-668-3	Registration Number: 01-219488154-34-XXXX	
Classification (EC 1272/2008) EUH031 Skin Corr. 1B – H314 Aquatic Acute 1 – H400	Classification (67/548/EEC) C;R34 R31 N;R50		
SODIUM C10-16 ETHER SULPHATE			2.5-5%
CAS-No.: 68585-34-2	EC No.:		
SODIUM HYPOCHLORITE			2.5 – 5 %
CAS No.: 1310-73-2	EC No.: 215-185-5	Registration Number: 01-2119457892-27-XXXX	
Classification (EC 1272/2008) Skin Corr. 1A-H314	Classification (67/548/EEC) C;R35		

The full text for all R-Phrases and Hazard Statements are displayed in section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

Move the exposed person into fresh air at once. Rise nose and mouth with water. Get medical attention if any discomfort continues

Ingestion

DON'T NOT INDUCE VOMITING! Immediately rise mouth and drink plenty of water. Keep person under observation. if person becomes uncomfortable seek hospital and bring these instructions.

Skin Contact

Rinse immediately with plenty of water. Remove contaminated clothing. Contact physician if irritation continues.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation

Vapour contacting chlorine may irritate the nose, throat and lungs

Ingestion

May irritate the mouth , throat and stomach, may cause stomach pain or vomiting

Skin contact

Prolonged contact may cause redness, itching, irritation and eczema / chapping

Eye contact

irritation and may cause redness and pain

4.3 Indication of any immediate medical attention and special treatment needed.

No specific first aid measures noted.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Extinguishing Media: This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials. Foam carbon dioxide or dry powder

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Fire or high temperatures create: Chlorine. Oxides of : Chlorine. Hydrogen chloride (HCl)

5.3 Advice for firefighters

Special Fire Fighting Procedures

Keep run – off water out of sewers and water sources. Dike for water control.

Protective equipment for fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For personal protection.(see sec 8)

6.2 Environmental precautions

Collect and dispose of spillage as indicated in section 13. Do not discharge into drains, water course or onto the ground

6.3 Methods and material for containment and cleaning up

Stop leak if possible without risk flush away small spillages with plenty of water, large quantities should not be discharged into the drain but removing with absorbing materials. Absorb in vermiculites dry sand or earth and place into containers. Do not use paper or sawdust Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

6.4 Reference to other sections

For personal protection, see section 8. See section 11 for additional information on health hazards. For waste disposal, see section 13

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide good ventilation. Avoid contact with skin and eyes wear protective clothing as described in section 8 of this safety data sheet. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving work site. Do not eat drink or smoke when using the product. Observe occupational exposure limits and minimize the risk of inhalation of vapours and mist Avoid contact with acids and other cleaning agents.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry place cool and well-ventilated place, Protect from light , including direct sunrays store away from Acids.

7.3 Specific end use(s)

The identified uses for this product are detailed in section 1.2

SECTION 8: PERSONAL PROTECTION/EXPOSURE CONTROLS

8.1 control parameters

Name	STD	TWA – 8HRS	STEL – 15mins	Notes
SODIUM HYDROXIDE	WEL		22 mg/m3	

WEL = Workplace Exposure Limit.

Ingredient comments

In case of chlorine emission, the WEL for Chlorine should be observed. Short term Exposure limit (STEL) 0.5 ppm / 1.5 mg/m3

8.2 Exposure controls



Protective Equipment

Engineering measures

Provide adequate ventilation

Respiratory equipment

Respiratory protection not required

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. PVC or rubber gloves are recommended EN 374

Eye Protection

Wear approved, tight fitting safety glasses where splashing is probable. EN 166

Other protection

Use barrier creams to prevent skin contact. Wear appropriate clothing to prevent repeated or prolonged skin contact

Hygiene measures

When using do not eat, drink or smoke. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site, use appropriate skin cream to prevent drying of skin

Environmental Exposure Controls

Avoid release to the environment. Users should be aware of environmental considerations and their duties under the environmental protection act. Further information may be found on Government website: www.dti.gov.uk/access/index/htm and www.envirowise.gov.uk

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Viscous Liquid.
Colour:	Colourless to pale yellow
Solubility:	Soluble in water
Initial Boiling point and boiling range	
Not applicable	
Melting point °C	
Not applicable	
Relative Density:	1.070 typically @ 20°C
Bulk Density	
Not applicable	
Vapour density (air = 1)	
Not determined	
Vapour Pressure	
Not determined	
Evaporation Rate	
Not determined	
Evaporation Factor	
Not applicable	
pH-Value, Conc.Solution	➤ 11
Viscosity	
Not determined.	
Solubility Value	(G/100G H2O@ 20° C)
Not applicable	
Decomposition temperature	(° C)
Not applicable	
Odour Threshold , Lower	
Not applicable	
Odour Threshold, Upper	
Not applicable	
Flash point	
Not applicable	
Auto ignition Temperature	(° C)
Not applicable	
Explosive properties	
Not applicable	
Oxidising properties	
Not applicable	
Comments	Information given concerns the concentrated solution

9.2 Other information

None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Reactive substance that can react with many inorganic and organic compounds

10.2 Chemical Stability

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

10.3 Possibility of hazardous reactions

Contact with acids liberates toxic chlorine gas

10.4 Conditions to avoid

Avoid exposure to high temperature or direct sunlight

10.5 Incompatible materials

Materials to avoid:

Acids, Ammonium, compounds, organic materials. Metals , Particularly copper nickel and iron

10.6 Hazardous decomposition products

Chlorine Hydrogen chloride (HCl) Chlorine oxides

SECTION 11: TOXICOLOGICAL INFORMATION11.1 Information on toxicological effects

Toxicological information

Data from sodium hypochlorite solution 15% show low acute oral toxicity. LC50 (rat, oral) 1100mg/kg (as available chlorine) Low acute inhalation toxicity. LC50(rat 1hr) - 10500mg/m3 as available chlorine). Very low dermal toxicity. LC50 (rat, dermal) .2000mg/kg

Other health Effects

This substance has no evidence of carcinogenic properties

Respiratory or skin sensitization:

Not sensitization

General information

This product has low toxicity. Only large volumes may have adverse impact on human health

Ingestion

May irritate and cause stomach pain, vomiting and diarrhea

Skin Contact

Skin irritation is not anticipated when used normally, Repeated exposure may cause skin dryness or cracking

Eye contact

May cause temporary eye irritation.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Not regards as dangerous for the environment. This product is classified using the test data for the AISE model bleach product Ref; international Association for soaps, Detergents and Maintenance Products publication " Environmental classification of sodium hypochlorite containing bleach products ".the product may affect the acidity (pH – Factor) in water with the risk of harmful effects to aquatic organisms.

12.1 Toxicity12.2 Persistence and degradability

Degradability: This product contains inorganic compounds which are not biodegradable. Reacts with organic substances in soil and sediments and degrades rapidly to chloride salt Substantially removed in biological treatment processes The surfactant(s) contained in this preparation complies (Comply) with the biodegradability criteria as laid down in regulations (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the member states and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bioaccumulative potential

Bioaccumulative potential: No data available on bioaccumulation. Low potential for bioaccumulation

12.4 Mobility in soil

Mobility: This product is soluble and may spread in water systems

12.5 results of PBT and vPvB assessments

This product does not contain any PBT or vPvB substances.

12.6 Other adverse effects

There is evidence that the sodium hypochlorite inhibits the aerobic treatment process at a concentration of 0.05mg/l

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Do not discharge into drains , water courses or onto the ground

13.1 Waste treatment methods

Disposal of waste and residues in accordance with local authority requirements. Packaging is recyclable, wash out containers with water

SECTION 14: TRANSPORT INFORMATION

Road Transport Notes	Not classified
Rail Transport Notes	Not classified
Sea Transport Notes	Not classified
Air Transport Notes	Not classified

14.1 UN number

14.2 UN proper shipping name

14.3 Transport hazard class(es)

14.4 Packing group

14.5 Environmental hazards

14.6 Special precautions for user

14.7 Transport in bulk according to Annex II of Marpol73/78 and the IBC code

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Uk Regulatory References

The control of substances Hazardous to Health regulations 2002 (S.I 2002 No .2677) with amendments.

Statutory Instruments

The chemical (Hazard information and packaging for supply) Regulations 2009 (S.I 2009 No. 716).

Approved code of practice

Classification and labeling of substances and preparations Dangerous for the supply. Safety data Sheets for substances and preparations.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG (108)

15.2 Chemical Safety Assessment

A chemical Safety Assessment (CSA) has been completed for Sodium Hypochlorite. And Sodium hydroxide

SECTION 16: OTHER INFORMATION

Revision Comments

NOTES lines within the margin indicate significant changes from the previous revision.

Revision Date 28/03/2012

Revision 2

Supersedes date 22/09/2012

Risk Phrases in full

R34	Causes Burns
R35	Causes severe buns
R31	contact with acid liberates toxic gas
R36	irritating to eyes
R38	Irritating to skin
R41	Risk of serious damage to eyes
R50	very toxic to aquatic organisms

Hazard Statements in full

H318	Causes serious eye damage
H319	Causes serious eye irritation
H314	Causes severe burns and eye damage
H315	Causes skin irritation
EUH031	Contact with acids liberates toxic gas.
H400	very toxic to aquatic organisms



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THICKENED BLEACH

Description

The product is a clear, pale yellow, viscous solution of Sodium Hypochlorite with specially selected surfactants, for more efficient cleaning and pleasantly perfumed with a compatible perfume.

Thickened Bleach has been specially formulated at 4.7% available chlorine to give total protection against all known germs and an improved concentrated thickness to give greater clinging power where it matters most.

Thickened Bleach should be used to disinfect and cure unpleasant smells caused by waste matter. Used regularly, it will kill germs and remove stains.

Pack Size

5 Litres
12 x 750ml

Recommendations for Use

Toilet bowls and drains Use undiluted.

General disinfecting Dilute 100ml per 5 litres of cold water.

Cold bleaching
(45 minutes) Dilute 50ml per 5 litres.

Overnight bleaching Dilute 25ml per 5 litres of cold water.

Do not use on silk, wool, colours, leather or any garment with a special finish!

Typical Product Data

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

Storage Information

Store in original sealed container and protect from extremes of temperature.