



Material Safety Data Sheet

STATEWIDE BLEACH 4%

Infosafe No.: 7EF3E
Issued Date: 12/11/2014
Issued by: JASOL AUSTRALIA

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name

STATEWIDE BLEACH 4%

Company Name

JASOL AUSTRALIA

Address

Level 3, 187 Todd Road PORT MELBOURNE
VIC 3207

Emergency Tel.

1800 629 953

Telephone/Fax Number

Tel: 1800 334 679

Fax: 03 9580 9902

Recommended Use

As a bleaching agent and source of active chlorine.

2. HAZARD IDENTIFICATION

Hazard Classification

NON-HAZARDOUS SUBSTANCE.

NON-DANGEROUS GOODS.

Not Classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).

Not Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Risk Phrase(s)

Not classified as hazardous according to criteria of NOHSC

Other Information

LD 50 : No data

LC 50 : Chlorine 293 ppm/1 hour rat

LCLo : Chlorine 2,530 mg/m³/30 minutes human

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization

Liquid

Ingredients

Name	CAS	Proportion
Sodium hypochlorite	7681-52-9	0-5 %
Water	7732-18-5	60-100 %
Other ingredients determined not to be hazardous	Not Required	0-10 %

4. FIRST-AID MEASURES

Inhalation

Remove from exposure, rest and keep warm. In severe cases, obtain medical attention.

Ingestion

Immediately rinse mouth with water. Do NOT induce vomiting. Slowly give water to drink. Seek medical assistance.

Skin

If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If swelling, redness, blistering, or irritation occurs seek medical advice.

Eye

If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

First Aid Facilities

Eye wash station and normal washroom facilities.

Advice to Doctor

Product is a solution of sodium hypochlorite. If swallowed, may lead to fall in blood pressure. Treat with antacids to neutralise hypochlorous acid formed in the stomach, then as for alkaline materials. Onset of pulmonary oedema, following inhalation overexposure, may be delayed. Treat symptomatically. Contact Poisons Information Centre.

Symptoms and Effects

No adverse health effects expected if the product is handled in accordance with this MSDS and the product label.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing media appropriate to surrounding fire.

Hazards from Combustion Products

Chlorine, water vapour, sodium hydroxide, sodium carbonate, sodium chloride.

Specific Methods

In case of small fire/explosion use water. In case of major emergency use PPE: breathing apparatus and protective gloves.

Specific Hazards

May form explosive products with primary aliphatic or aromatic amines, methanol and with nitrites. Contact with acids will generate chlorine, a toxic and corrosive gas. May react vigorously or violently with oxidising agents, reducing agents and metal salts.

Other Information

Avoid contact with coloured fabric as Chlorine may bleach colour out.
May give off dangerous gas if mixed with other products.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal

Disposal of small spillages only. For large spillages liquids should be contained using sand or earth, and both liquids and solids then transferred to salvage containers. Residues should be treated as for small spillages. CAUTION: Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance and, for flammable materials, shut off all possible sources of ignition. If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise absorb on inert absorbent, transfer to sealed container and arrange removal by disposals company. Wash site of spillage thoroughly with water and detergent. Ventilate area to dispel any residual vapours.

7. HANDLING AND STORAGE

Conditions for Safe Storage

Store in a cool, well ventilated place, out of reach of children. Large quantities should be stored in a bonded dangerous goods store. Store in original container. Never store in unlined metal containers. Keep container tightly closed. Keep out of direct sunlight. Keep away from combustible materials. Keep away from acids. Keep away from metals and their salts. Keep away from aliphatic and aromatic amines. Keep away from methanol and nitrites. Keep away from oxidising and reducing agents. Prevent vapours from collecting in enclosed spaces. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards

No Exposure Limit Established

Engineering Controls

Prevent direct contact with metals. Local mechanical exhaust/extraction usually required to keep airborne contamination as low as possible.

Personal Protective Equipment

Prevent contact with the eyes. Avoid contact with the skin. Avoid breathing the vapours. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:-

Safety glasses

Gloves, rubber or plastic

Always maintain a high level of personal hygiene when using cleaning chemicals. That is wash hands before eating, drinking, smoking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

Liquid

Appearance

Clear, almost colourless, mobile liquid. May become yellow on long storage. Miscible with water in all proportions. pH is alkaline.

Odour

Smell of lemon and chlorine.

Boiling Point

100C

Solubility in Water

Miscible with water in all proportions.

Specific Gravity

1.1

pH Value

11.5 - 12.5

Vapour Pressure

Not available.

Colour

Clear pale yellow.

Flash Point

None

Flammability

Not flammable. Moderate oxidiser.

Other Information

Oxidiser. Contact with combustible material may cause fire. Contact with acids will generate chlorine, a toxic and corrosive gas. May react violently with reducing agents. Can react with primary aliphatic and aromatic amines, methanol and nitrites to give explosive products. May react vigorously with oxidising agents. Incompatible with most metals. Will decompose on standing, generating chlorine. Decomposition will be accelerated by contamination and by exposure to sun light. May react vigorously with peroxides and metal salts. On long storage, may generate pressure inside sealed containers. Open cautiously.

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal use conditons.

Hazardous Decomposition Products

Decomposes on heating to emit toxic fumes. Heating can cause expansion of containers or decomposition leading to violent rupture of containers. Reacts vigorously with acids to produce dangerous levels of gaseous chlorine. Reacts with amines, ammonium salts, aziridine, methanol, phenylacetonitrile, metal salts, peroxides and reducing agents.

Hazardous Reactions

My form toxic oxides of Chlorine if involved in a fire.

11. TOXICOLOGICAL INFORMATION

Inhalation

Inhalation of chlorine gas at 1 ppm will irritate the mouth, nose and throat. Above 1.3 ppm, vapours may cause coughing and difficulty breathing. Risk of delayed onset of pulmonary oedema (fluid in the lungs).

Ingestion

Will cause irritation and corrosion of the mouth, throat and gastrointestinal system. May cause pain and vomiting.

Skin

Short contact may cause irritation. On longer contact risk of chemical burns.

Eye

Severe irritant. Risk of permanent damage.

Chronic Effects

Repeated skin contact may lead to dermatitis or 'chloracne'. Repeated, low level exposure to chlorine vapours may cause corrosion of the teeth.

12. ECOLOGICAL INFORMATION

Environmental Protection

Avoid contaminating waterways, drains, sewers, or ground.

13. DISPOSAL CONSIDERATIONS

Waste Disposal

Land fill, sewer (small quantities). Refer to Land Waste Management Authority in your State.

14. TRANSPORT INFORMATION

Transport Information

Non regulated

U.N. Number

None Allocated

Proper Shipping Name

None Allocated

DG Class

None Allocated

Packing Group

None Allocated

15. REGULATORY INFORMATION

Regulatory information

Not classified as hazardous according to criteria of NOHSC

NON-HAZARDOUS SUBSTANCE.

NOT SCHEDULED POISON.

Not Classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule

Not Scheduled

16. OTHER INFORMATION

Contact Person/Point

The Company has taken care in compiling this information. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside the Company's control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.

24-Hour Emergency Telephone: AUS: 1800 629 953 NZ: Poisons 0800 764 766, Spills 111 FIRE

Signature of Preparer/Data Service

Technical Manager

Tel. (03) 9580 5722

END OF SDS

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