

HUNTERS PRODUCTS (TAS) PTY. LIMITED
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Date prepared: June 2002
MATERIAL SAFETY DATA SHEET
(Sheet No. 098B)

Not classified as hazardous according to criteria of Worksafe
Australia.

IDENTIFICATION

Product Name: Bleach, Plain

Chemical Name: Dilute sodium hypochlorite solution.

Manufacturer's Code:

UN Number: None assigned.
DG Class: None.
Packaging Group: None.
Subsidiary Risk(s): None.
Hazchem Code: None.
EPG No. : None.
Poisons Schedule: None assigned.
Uses: As a bleach and disinfectant.

PHYSICAL DESCRIPTION & PROPERTIES

Appearance: Clear, colourless, mobile liquid.
Miscible with water in all proportions.
pH slightly alkaline.
Boiling Point: 100ø C
Melting Point: about 0ø C
Vapour Pressure: No data.
Volatiles: 100 %
Evaporation Rate: No data.
Odour: Slight smell of chlorine bleach.
Vapour Density: No data.
Weight per ml.: About 1 g.
Flash Point: None.
Flammability Limits: None.
Auto-ignition Temperature: No data.

Other Properties: Will react with acids, generating a small
quantity of chlorine gas. Mild oxidiser. Will decompose
slowly during storage, releasing chlorine. Decomposition
will be accelerated by exposure to light, heat and
contamination.

Ingredients

Sodium hypochlorite	[7681-52-9]	< 10 %
Other ingredients		< 10 %
Water	[7732-18-5]	to 100 %
Available chlorine	[7782-50-5]	1.80 %

HEALTH HAZARD INFORMATION

Health Effects:

No data available for the mixture. Information presented relates to individual ingredients.

Acute: Swallowed: May cause irritation or mild corrosion to mouth, throat and stomach. Possible pain, inflammation and vomiting. Possible systemic effects from ingestion of large quantities include fall of blood pressure, delirium and coma.

Skin: Mild irritant.

Eyes: Mild irritant. Risk of tissue damage.

Inhaled: Inhalation of low concentrations of chlorine will irritate the respiratory system. Inhalation of high chlorine levels, or of spray/mist, may lead to pulmonary oedema (fluid in the lungs); onset of symptoms may be delayed.

Chronic: Repeated exposure to low levels of chlorine over a long period of time may lead to corrosion of the teeth and "chloracne".

LD 50 : Sodium hypochlorite 5,800 mg/kg oral, mouse.

LC 50 : Chlorine 293 ppm/1 hour, rat.

LCLo : Chlorine 2,530 mg/m³ / 30 mins, human.

First Aid:

If poisoning occurs, contact a doctor or Poisons Information Centre.

Phone: 131126

Swallowed: If swallowed, do NOT induce vomiting. Give a glass of water.

Skin: If skin contact occurs, remove contaminated clothing and wash skin thoroughly.

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

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

First Aid Facilities

Recommended: Eye wash. Hand wash basin.

Advice to Doctor

Product is a very dilute solution of sodium hypochlorite.

Ingestion will release hypochlorous acid which is irritating to mucous membranes, but is of low systemic toxicity. Inhalation overexposure may lead to pulmonary oedema, with possible delayed onset. Contact Poisons Information Centre.

PRECAUTIONS FOR USE

Exposure Limits: [NOHSC]

TLV-TWA: Chlorine 1 ppm, 3 mg/m³ [Peak]

TLV-STEL: None assigned.

[Peak] indicates a ceiling concentration which should not be exceeded, even momentarily.

[NOHSC] - National Occupational Health & Safety Commission
(Worksafe Australia)

Engineering Controls:

Ensure adequate ventilation (same as outdoors) when using.
If handling industrial quantities, consider local mechanical exhaust/extraction to keep airborne contamination below TLV.

Personal Protection:

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

Domestic use:

Eye protection
Gloves, rubber or plastic

Industrial use:

Face shield or safety glasses
Gloves, rubber or plastic
Plastic apron, sleeves and boots
Impervious overalls.

Flammability:

Not flammable.

SAFE HANDLING INFORMATION

Storage & Transport:

Storage Temperature:	Room temperature.
UN Class:	None.
Packaging Group:	None.
UN Number:	None assigned.
EPG Number:	None.
Correct Shipping Name:	Dilute bleach solution.

Storage Advice: Store in a cool, well ventilated place, out of reach of children. Large quantities should be stored in a bunded area. Store in original container. Keep container closed. Keep away from acids. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.

Spills & Disposals:

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 container and arrange removal by disposals company. Wash site of spillage thoroughly with water. Ventilate area to dispel any residual vapour.

Fire/Explosion Hazard:

Not a fire hazard.
Not an explosion hazard.

Will react with acids, generating a small quantity of chlorine.

Decomposition Products:

Chlorine, water vapour, sodium chloride.

In case of small fire/explosion use: Water.

In case of major emergency:

HAZCHEM CODE: None.

Extinguishant: Water.

Danger of violent reaction or explosion? No.

Protective Clothing: Breathing apparatus and protective gloves for fire only.

Appropriate Measures: Dilute.

Evacuate? No.

Other Information:

Prevent spillages from entering natural waters.

Contact Point: Mr. Kent Hateley, Hunters Products (Tas) Pty Ltd.,
60 Gleadow Street, INVERMAY TAS 7248

Telephone: (03) 6331 4755

24 Hour Emergency Tel. No.: Not available

Emergency Services: Dial 000