

**TASMAN CHEMICALS**

"Tasman trusted products"

MATERIAL SAFETY DATA SHEET**SUPER CHLOR****SECTION 1 – IDENTIFICATION**

Product Name SUPER CHLOR

Recommended Use DETERGENT SANITISER

Supplier TASMAN CHEMICALS PTY LTD
ACN : 005 072 659
Street Address 1-7 Bell Grove, Braeside ,
Victoria 3195 AUSTRALIA

Telephone Number (03) 9587 6777
Facsimilie (03) 9587 5255
Email taschem@taschem.com.au
Website www.tasmanchemicals.com.au

Emergency Telephone Number 1 800 334 556

SECTION 2 – HAZARDS IDENTIFICATION**Hazardous according to criteria of Safe Work Australia.**

Hazard Category : C (Corrosive)

Risk Phrases

R31 Contact with acids liberates toxic gases
R35 Causes severe burns
R41 Risk of serious damage to eyes

Safety Phrases

S1/2 Keep locked up and out of reach of children
S24/25 Avoid contact with skin and eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and contact a Doctor or the Poisons Information Centre.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label wherever possible)
S50 Do not mix with acids

Super Chlor is classified as **Dangerous Goods Class 8** according to the Australian Code for the Transport of Dangerous Goods by Road and Rail

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Proportion (%m/m)</u>
Water	7732-18-5	H
Sodium Hypochlorite	7681-52-9	M
Anionic Surfactant	61788-52-9	M
Sodium Hydroxide	1310-73-2	M
VH>60% H>30-60% M=10-30%	L=<10%	

SECTION 4 – FIRST AID MEASURES

First Aid

- Swallowed: Immediately rinse mouth with water. If swallowed DO NOT induce vomiting. Give a 1-3 glasses of water to drink. If vomiting occurs, place victim head lower than hips to prevent vomiting entering lungs. Seek immediate medical assistance or contact the Poisons Information Centre immediately.
- Eye: If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
- Skin: If spilt on large areas of skin or hair, immediately drench with running water and remove clothing. Continue to wash skin and hair with plenty of water (and soap if material is insoluble) until advised to stop by the Poisons Information Centre or a doctor.
- Inhaled Remove victim from further exposure. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical attention if effects persist.

Advice to Doctor

Treat symptomatically. Can cause corneal burns.

SECTION 5 – FIRE FIGHTING MEASURES

- Specific Hazards:** Non-combustible material.
- Fire-fighting advice:** Decomposes on heating emitting toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.
- Suitable Extinguishing Media:** Not combustible, however, if material is involved in a fire use: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills

Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water. If contamination of sewers or waterways has occurred advise local emergency services.

SECTION 7 – HANDLING AND STORAGE

- Handling advice:** Avoid skin and eye contact and breathing in vapour, mists and aerosols. Keep out of reach of children.
- Storage advice:** Store in cool place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Keep containers closed when not in use – check regularly for leaks.
This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits : Occupational Exposure Limits : Threshold Limit Values

Threshold Limit Value (TLV) = 2 mg/m³ (Sodium Hydroxide) (Peak Limitation)
Time Weighted Average (TWA) = 3 mg/m³ (Chlorine)

Exposure Standards (TWA) is the time-Weighted average airborne concentration over an eight-hour working day, for a five day working week over an entire working life. According to current knowledge this concentration should neither impair the health or, cause undue discomfort to, nearly all workers.

Peak Limitation : For some rapidly acting substances and irritants, the averaging of airborne concentration over an eight hour period is inappropriate. These substances may induce acute effects after relatively brief exposure to high concentrations and so the exposure standard for these substances represents a maximum or peak concentration to which workers may be exposed.

Engineering Control Measures:

Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. If inhalation risk exists: Use with local exhaust ventilation or while wearing air supplied mask. Keep containers closed when not in use.

Personal Protective Equipment:

Wear overalls, face shield, elbow-length impervious gloves, splash apron and rubber boots. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

If risk of inhalation exists, wear air supplied respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Odour: Slight Chlorine

Specific Gravity: 1.23 @20°C

Flammability Limits (%): Not applicable

% Volatile by Volume: Not available

Melting Point/Range (°C): Not available

pH: 13.5 (1% w/w)

Colour: Pale yellow

Solubility: Miscible in water.

Flash Point (°C): Not applicable

Autoignition Temperature (°C): Not applicable

Solubility in water (g/L): Complete

Decomposition Point (°C): Not available

Viscosity: Not available

SECTION 10 – STABILITY AND REACTIVITY

Stability Incompatible with acids , metals , metal salts , reducing agents , peroxides , and ethylene diamine tetraacetic acid .

Reactivity Corrosive to aluminium, zinc and tin, liberating flammable hydrogen gas. Absorbs carbon dioxide from air. Reacts exothermically on dilution with water

SECTION 11 – TOXOLOGICAL INFORMATION

Health Effects

No adverse health effects expected if the material is handled in accordance with the Material Safety Data Sheet. Symptoms that may arise if the material is mishandled are :

Acute Effects

Swallowing: Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.

Eye: A severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury.

Skin: Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.

Inhaled: Breathing in mists or aerosols may produce respiratory irritation. Delayed (up to 48 hours) fluid build up in the lungs may occur.

Chronic Effects

Principal routes of exposure are by accidental skin or eye contact
Prolonged or repeated skin contact may have a corrosive action on human tissues

Long Term Effects:

No information available for the product.

Toxicological Data:

No LD50 data available for the product. For the constituent SODIUM HYPOCHLORITE:

Oral LD50 (mice): 5800 mg/kg EYES: Moderate irritant (rabbit).

SECTION 12 – ECOLOGICAL INFORMATION

Avoid contaminating waterways. Spills should be contained, absorbed by sand or earth and placed in sealed plastic or epoxy-lined drums for disposal

Environmental fate, persistence and degradation: This material is biodegradable.

48hr LC50 (fish): 0.07 - 5.9 mg/L.

Terrestrial toxicity: Expected to be harmful to terrestrial species.

SECTION 13 – DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Decontamination and destruction of containers should be considered.

SECTION 14 – TRANSPORT INFORMATION

Classified as a Dangerous Good by the Criteria of the Australian Dangerous Good Code

Proper Shipping Name :	HYPOCHLORITE SOLUTION		
UN Number :	1760	Dangerous Goods Class :	8
Subsidiary Risk :	Not applicable	Hazchem Code :	2R
Packing Group :	III		

SECTION 15 – REGULATORY INFORMATION

Classification Based upon information, classified as hazardous according to criteria of Safe Work Australia

Poisons Schedule Schedule 6

SECTION 16 – OTHER INFORMATION

Contact Points

Organisation

Tasman Chemicals Pty Ltd

Location

Braeside,
Victoria,
Australia

Telephone

(03) 9587 6777

Ask For

Technical Manager

Poisons Information Centre

13 1126

MSDS are updated frequently. Please ensure that you have a current copy.

This MSDS summarises our best knowledge of the health and safety hazard information of the product; how to safely handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Tasman Chemicals Pty Ltd. Our responsibility for products sold are subject to our standard terms and conditions, a copy of which appears on all invoices. It is also available on request. Where health or safety data given discloses a risk to the user or environment, it is the responsibility of the Purchaser to pass on that information to employees or those who may be using the product, ensuring that adequate safety procedures are used including good industrial hygiene.