



TASMAN CHEMICALS

"Tasman trusted products"

# MATERIAL SAFETY DATA SHEET

## CHLORTEX

### SECTION 1 – IDENTIFICATION

**Product Name** CHLORTEX

**Recommended Use** Chlorine Laundry Bleach

**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 : Xn ( Harmful )

#### Risk Phrases

R22 Harmful if swallowed  
R31 Contact with acids liberates toxic gases  
R36/37 Irritating to eyes and respiratory system

#### Safety Phrases

S2 Keep out of reach of children  
S8 Keep container dry  
S26 In case of contact with eyes, rinse immediately with plenty of water and contact a Doctor  
S41 In case of fire and/or explosion, do not breathe fumes  
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
S60 Avoid release to the environment. Refer to special instructions/Material Safety Data Sheets

**Chlortex** is not classified as a **Dangerous Good** 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>
Sodium Sulphate	7757-82-6	H
Sodium Metasilicate	6834-92-0	L
Sodium Dichloroisocyanurate	2893-78-9	H
Non Ionic Surfactant	9016-45-9	L

**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 continuously with running water. Continue flushing until advised by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical assistance or contact the Poisons Information Centre immediately.
- Skin: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair immediately with running water. If swelling, redness, blistering or irritation occurs seek medical advice. For skin burns, immediately flood with plenty of water and cover with a clean dry dressing. Seek immediate medical advice
- 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 and as for strongly alkaline material

## SECTION 5 – FIRE FIGHTING MEASURES

### Fire/Explosion Hazard

Reacts violently with acids and liberates chlorine gas. Absorbs carbon dioxide from air. Keep containers cool by spraying with water to prevent pressure building up inside the drums, causing them to burst.

### Extinguishing Media

Fire fighters must wear full protective clothing including self contained breathing apparatus. Not combustible, however reaction with metals will produce flammable hydrogen gas, which will burn if ignited. Use water fog ( or if unavailable fine water spray ), foam, dry agent ( carbon dioxide, dry chemical powder )

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### Spills

Increase ventilation. Wear protective equipment to prevent skin and eye contamination and inhalation of vapours or mists. Contain using sand or soil – prevent run off into drains and waterways. Use absorbent ( soil, sand vermiculite or other inert material). Collect and seal in properly labelled drums for disposal. If contamination of sewers or waterways has occurred advise local emergency services. Caution heat may be evolved on contact with water

## SECTION 7 – HANDLING AND STORAGE

**Handling** : Avoid skin and eye contact

**Storage** : Under normal weather conditions store in a well-ventilated area. Store in a dry cool environment. Keep containers closed at all times when not in use. Store away from acids  
Keep dry – Reacts with water. May lead to drum rupture  
Check regularly for leaks. Remove drum bungs slowly to release any internal pressure.

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**Occupational Exposure Limits** : No value assigned for this specific material by the Occupational Health and Safety Commission. The following should be considered :

TLV – TWA for nuisance dust = 10 mg/m<sup>3</sup> total dust, or  
= 5 mg/m<sup>3</sup> respirable dust

**Engineering Control Measures** : Ensure ventilation is adequate to maintain air concentrations below recommended exposure standard. Keep containers closed when not in use

### **Personal Protective Equipment** :

Eye: Use chemical face shield to prevent eye and face contact

Hands: Use nitrile rubber gloves when skin contact is possible

Other: Use rubber boots and apron to prevent skin contact

Respirator: If inhalation risk exists wear dust respirator meeting the requirements of AS1715/1716

Always wash hands before eating, drinking, smoking or using the toilet.

Wash contaminated clothing and other protective equipment before storage and reuse.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odour:	White Powder	pH (as is):	10 to 11 ( 1% soln)
Melting Point:	0oC	Flash Point:	Not applicable
Boiling Point:	Not applicable	Volatiles	Not applicable
Density: @ 25°C	2.5 (approximately)	Flammable Limits:	Not applicable
Solubility:	50 g/L in water	Odour	Chlorine

## SECTION 10 – STABILITY AND REACTIVITY

**Stability** Store away from acids and oxidising materials

**Reactivity** Reacts violently with acids and liberates chlorine 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: May cause nausea, vomiting, diarrhoea, abdominal pain, swelling of the larynx and perforation of the gastrointestinal tract Oral LD50 = 1823 mg/Kg ( Rat ) – Sodium Dichloroisocyanurate

Eye: A severe eye irritant. May cause severe eye damage. Corrosive to eyes.  
May cause corneal damage.

Skin: Contact with skin will result in severe irritation. Repeated or prolonged skin contact may cause burns and permanent damage. Dermal LD50 = >5000 mg/Kg ( Rabbit ) – Sodium Dichloroisocyanurate

Inhaled: Vapour or mist may be irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in coughing, sneezing and difficulty in breathing. Inhalation LC50 = 1.17 mg/L ( 4 Hr Rat ) – Sodium Dichloroisocyanurate

### **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

### **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

### **SECTION 13 – DISPOSAL CONSIDERATIONS**

Refer to Waste Management Authority .

### **SECTION 14 – TRANSPORT INFORMATION**

Not classified as a Dangerous Good by the Criteria of the Australian Dangerous Good Code

Proper Shipping Name :	Not required	UN Number :	Not applicable
Dangerous Goods Class :	Not applicable	Subsidiary Risk :	Not applicable
Hazchem Code :	Not applicable	Packing Group :	Not applicable

### **SECTION 15 – REGULATORY INFORMATION**

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

**Poisons Schedule** Schedule 5

### **SECTION 16 – OTHER INFORMATION**

Contact Points

<b><u>Organisation</u></b>	<b><u>Location</u></b>	<b><u>Telephone</u></b>	<b><u>Ask For</u></b>
Tasman Chemicals Pty Ltd	Braeside, Victoria, Australia	(03) 9587 6777	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.*