

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: STERIZOL

Other Names: None

Recommended Use: Liquid Bleach.

Product Code: STER05 (5L) – STER25 (25L)

Company: CCS Chemicals (Aust) Pty Ltd. (A.C.N. 063 274 279)

Address: 263 – 265 Huntingdale Road, Huntingdale, Vic. 3166.

Telephone: 03 9544 9911

Facsimile: 03 9544 9922

Emergency Telephone Number:

Poisons Information Centre **131 126** (24 hours a day)

SECTION 2: HAZARDS IDENTIFICATION

**Not classified as hazardous by the criteria of NOHSC Australia.
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.**

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Proportion
Sodium Hypochlorite	7681-18-5	< 10%
Non hazardous component(s)		to 100%

SECTION 4: FIRST AID MEASURES

Eye (Contact): 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. Seek immediate medical attention.

Skin (Contact): If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Wash contaminated clothing before reuse. If symptoms develop seek medical attention.

Inhalation (Breathing): Remove to fresh air. Apply artificial respiration if not breathing. Seek immediate medical attention.

Ingestion (Swallowing): For advice, contact a Poisons Information Centre (Phone e.g. Australia 131 126; New Zealand 0800 764 766) or a Doctor (at once). If swallowed do NOT induce vomiting. Wash out mouth with water then have victim drink copious amounts of water to dilute material in stomach. Seek medical attention.

Advice to Doctor: Treat symptomatically.

First Aid Facilities: Eye wash station and clear running water.

Additional Information: No aggravated medical conditions are known to be caused by exposure to this product.

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing media suited to the materials that are burning. E.g. dry chemical, CO₂ or water spray. Do NOT use water jets.

Hazards from Combustion Products: This product is not combustible. However can decompose upon heating liberating toxic fumes including chlorine gas.

Precautions for Fire Fighters and Special Protective Equipment: Fire fighters must wear full protective clothing including self contained breathing apparatus (S.C.U.B.A.) operated in positive pressure mode and a chemical splash suit. Ensure that no spillage enters drains or water courses. Determine the need to evacuate or isolate the area according to your local emergency plan. Keep containers cool with water spray.

Additional Information: Hazchem Code – None allocated

SECTION 6: ACCIDENTAL RELEASE MEASURES



Emergency Procedure: SAA/SNZ HB76: Dangerous Goods – Initial Emergency Response Guide (Guide 37) - for large volumes.

Spills / Clean Up: For small volumes (approximately less than 5L) – clean up personnel should wear full protective equipment (refer to

SECTION 8). Increase ventilation. Restrict access to area until completion of cleanup. Stop leak if safe to do so. Contain spill with absorbent material such as sand, vermiculite or other inert material. Prevent spill entering sewers or waterways. Collect and dispose of spilled material according to local regulations. Wash away remnants with copious amounts of cold water. Clean area by working from the outside of the spill to the centre or from the edge of the room to the centre.

SECTION 7: HANDLING AND STORAGE



Precautions for Safe Handling: Any non-authorized use of this product may result in personal injuries or property damage. Wear appropriate (PPE) protective equipment (refer to SECTION 8) when handling undiluted product, to prevent inhalation, skin and eye contact. Ensure a high level of personal hygiene is maintained when using this product. That is, always wash hands before eating, drinking, smoking or using the toilet. Contact CCS Chemicals sales representative for advice when using this product for any application other than that outlined on the label or fact sheet. Do NOT mix with any other chemical.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area, out of direct sun light and away from incompatible materials (as described in SECTION 10). Store in original tightly sealed labelled containers at all times.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards – Source: National Exposure Standards for Atmospheric Contaminants in the occupational environment [NOHSC: 1003].

Ingredient	CAS No	ES-TWA	ES-STEL
Chlorine	7782-50-5	3mg/m ³	not available

Biological Limit Values: Not available.

Engineering controls: Ensure adequate ventilation to keep airborne concentrations below exposure standards.

Personal Protective Equipment (PPE):



Eye/face protection – Safety glasses or chemical resistant goggles should be worn to prevent eye contact when handling undiluted product, working above the face or any risk of splash back exists.

Skin protection – Use rubber gloves to prevent skin contact. Wear clothing and footwear suitable to prevent skin contact.

Respiratory protection – A respirator is not usually necessary. If the product is being used in a confined area where mist is a problem, use an approved respirator.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, pale yellow or greenish liquid.

Odour: Chlorine

pH: 11.0 – 12.0

Specific Gravity: 1.06 +/- 0.005 @ 20 °C

Vapour Pressure: 2.31kPa @ 25 °C

Vapour Density: 2.49 (air = 1)

Boiling Point: 100 °C

Freezing Point: -25 °C approx @ 12%

Solubility: Miscible

Flashpoint: Not Applicable

Upper and Lower Flammable (explosive) Limits in air: Not Applicable

Ignition Temperature: Not Applicable

Evaporation Rate: Slow

Other Information: Available chlorine: < 5%

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable under normal ambient storage conditions.
Conditions to avoid: Avoid extreme temperatures (store above 10°C and below 30°C) and direct sunlight. Protect against physical damage.
Incompatible materials: Incompatible with amines, methanol, copper, peroxides, metal salts, reducing agents, acids, ammonium salts, solvents, combustible materials, greases and wood.
Hazardous decomposition products: Decomposes on heating and releases fumes of chlorine caustic compounds.
Hazardous reactions: Contact with acids produces toxic fumes of chlorine.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE HEALTH EFFECTS

Swallowed: May cause chemical burns to the mouth, throat and stomach. Symptoms include abdominal pain, vomiting and diarrhoea.
Eye: Eye contact will cause stinging, blurring, tearing, and pain.
Skin: Skin contact will cause redness, itching and irritation.
Inhalation: May cause irritation to the respiratory system and mucous membranes. Symptoms may also include coughing, wheezing and shortness of breath. Inhalation of high concentrations may lead to headaches, dizziness, nausea and vomiting.

CHRONIC HEALTH EFFECTS

Swallowed: May be fatal if swallowed.
Eye: Can cause permanent eye damage.
Skin: Exposure to this material can result in allergic contact dermatitis.
Inhalation: Possibility of moderate to severe respiratory damage. Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema etc. may be more susceptible to irritating effects.

TOXICITY DATA

LD50 (Acute Oral Toxicity): Rat 5300 mg/kg
LD50 (Acute Dermal Toxicity): Not available.
LC50 (Acute Inhalation Toxicity): Not available.
Carcinogenicity: Not available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Avoid contaminating waterways.
Persistence / Degradability: Not available.
Mobility: Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal of Containers: Rinse empty containers thoroughly with water and place in trash collection.
Disposal Method: Dispose of in accordance with Local, State and Federal regulations at an approved waste disposal facility, or through a licensed chemical waste disposal company.

SECTION 14: TRANSPORT INFORMATION

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

UN Number: Not applicable.
Proper Shipping Name: Not applicable.
Class and subsidiary Risk: Not applicable.
Packaging Group: Not applicable.
Special Precautions for User: Not applicable.
Hazchem Code: Not applicable.

SECTION 15: REGULATORY INFORMATION

Poisons Schedule (SUSDP): Schedule 5 – CAUTION
Avoid contact with eyes. Avoid contact with skin. Avoid breathing dust (or) vapour (or) spray mist. Ensure adequate ventilation when using. Do not mix with other chemicals. Avoid contact with clothing.

SECTION 16: OTHER INFORMATION

Date of preparation: 30th June 2007
For further information on any details described in this MSDS, please contact:
Technical Department – Technical Manager
CCS Chemicals (Aust) Pty Ltd
Head Office: (03) 9544 9911

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END OF MSDS