

## MATERIAL SAFETY DATA SHEET

PRODUCT NAME: STERI-CHLOR

<b>1. Product and Company identification</b>	
Product Name	STERI-CHLOR
Product Description	Low Foaming Chlorinated Detergent Cleaner
Manufacturer/ Supplier	Hychem (Pty) Ltd
Physical address	11/13 Silverstone Crescent Kyalami Business Park Midrand
Postal Address	PO Box 5742; Rivonia; 2128
Contact Details	Emergency: 011-466 1885

<b>2. Composition/ Information on ingredients</b>	
Chemical Nature	Chlorinated Caustic Liquid
Components contributing to the hazard	Sodium Dichloro-isocyanurate
Chemical or generic name of components	SDIC
Concentration range	Low
VHIGH >60%, HIGH 30-60%, MED 10-29%, LOW 1-9%, VLOW >1%	
Classification and hazard labelling	Not classified as hazardous
Major hazard	Not applicable
UN/ CAS	Not applicable
R-Phrases	R22, R36

<b>3. Hazard identification (Summary of most important hazards)</b>	
Hazard category	Not classified as hazardous
Adverse human health affects	May cause eye irritation
Environmental effects	Concentrations recommended for cleaning purposes, no significant effects occur

<b>4. First Aid Measures</b>	
Action to be avoided	Do not induce vomiting
Inhalation	Remove patient from exposure to fresh air
Skin contact	Remove contaminated clothing, flush skin with water. Seek medical advice if irritation persists.
Eye contact	Rinse immediately, keep eyelids open and flush with clean water for at least 15 minutes Seek medical assistance.
Ingestion	Wash out mouth with water and give 200-300ml of water to drink. Seek medical attention.

<b>5. Fire fighting measures</b>	
Extinguishing media	Use extinguishing media appropriate for surrounding fire. Cool containers with water jet
Inappropriate distinguishing media	None known

MATERIAL SAFETY DATA SHEET  
PRODUCT NAME: STERI-CHLOR

Specific hazards	Chlorine Gas may be released upon exposure to high heats
Special equipment for protection	Use self contained breathing apparatus, protective clothing and rubber gloves

<b>6. Accidental release measures</b>	
Personal precautions	Use personal protective equipment
Environmental precautions	Keep large spills and runoff out of drains and water courses. Small spills can be flushed away with lots of water, neutralise spills with a weak acid solution
Methods for cleaning up recovery	Contain spills with inert absorbent materials like sand (not sawdust). Transfer liquids and solid diking material to suitable containers for disposal
Neutralisation and disposal of spillage	Neutralise with a acid i.e. Acetic Acid (Vinegar)

<b>7. Handling and storage</b>	
Observe the usual precautionary measures for handling and storing chemicals	
Handling	Do not ingest, avoid eye and skin contact Ensure container is properly closed and not leaking
Storage	Keep container tightly closed in a dry, ventilated and secure area. Store away from food stuff and out of reach of children. Check containers regularly for leakage and possible distension. Material must be stored in accordance with local rules and legislation

<b>8. Exposure controls/ Personal protection</b>	
Control Parameters	
Limit values	To be monitored at the work place
Biological standards	Refer to UN and R-Phrase numbers
Monitoring procedures	Keep container closed when not in use
Personal protective equipment	Refer to the S-Phrase data
Protective clothing	Wear an approved respirator, PVC gloves, protective eyewear and clothing
Personal hygiene measures	Wash contaminated clothing before storage and re-use

<b>9. Physical and chemical properties</b>	
Form	Clear liquid
Colour	Straw Yellow
Odour	Faint Chlorine

## MATERIAL SAFETY DATA SHEET

PRODUCT NAME: STERI-CHLOR

PH Value	Not applicable
Boiling point/ boiling range °C	Not applicable
Flash point	Not applicable
Vapour pressure	Not ascertained
Vapour density	Not ascertained
Density	Not ascertained
Solubility	Soluble in water
Viscosity at 20°C	Not ascertained
Specific gravity at 20°C	Not applicable

**10. Stability and reactivity**

Stability and possible hazardous reactions	Product is stable under normal conditions
Conditions/ materials to avoid	Strong acids
Hazardous decomposition	High temperatures may cause release of chlorine gas

**11. Toxicological information**

LD 50 test on animals available on certain raw materials in product

Acute Toxicity	None known
Local effects	In cases of eye contact irritation can occur.
Sensitisation	Irritant, may cause redness
Chronic toxicity	None known
Long term toxicity	None known

**12. Ecological information**

Possible environmental effects	Dangerous to aquatic life in high concentrations.
Behaviour and fate	Soluble in water. Avoid large product spillage from entering waterways.
Persistence/ Biodegradability	Not ascertained

**13. Disposal considerations**

Disposal of chemical product	According to the local rules and legislation
Disposal of contaminated packaging	Recommended cleaning agent - water

**14. Transport regulations**

Classification	Not classified as hazardous for transport
----------------	---

**15. Regulatory information**

National legislation	Refer to the below Risk and Safety phrase Data
Hazard and safety information	Take usual good care
EEC hazard classification Risk phrases	R22 – Harmful if swallowed

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: STERI-CHLOR

	R36 – Irritating to eyes
EEC hazard classification	S2 – Keep out of reach of children
Safety phrases	S7 – Keep container tightly closed
	S13 – Keep away from food, drink and animal feeding stuff
	S18 – Open and handle container with care
	S25 – Avoid contact with eyes
	S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S27 – Remove contaminated clothing
	S28 – After skin contact, wash immediately with plenty of water
	S36/37/39 – Wear suitable gloves, face and eye protection

**16. Additional information (e.g. special training or restrictions on the products use)**

Refer to product data sheet

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.