



**SAFETY DATA SHEET**

**PRODUCT NAME: Chlorhexidine 2%**

<b>1. PRODUCT AND COMPANY IDENTIFICATION</b>	
Product Name	Chlorhexidine 2%
Product Description/ Use	Chlorhexidine 2% in water
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. HAZARDS IDENTIFICATION</b>
Classification of the product: Acute Toxicity : Category 3 Aquatic Toxicity : Category 1
Label Elements:
Pictograms: <div style="display: flex; justify-content: space-around; align-items: center; text-align: center;"> <div style="border: 2px solid red; padding: 10px;">  <p style="font-size: small;">GHS09 Environmental Hazard</p> </div> <div style="border: 2px solid red; padding: 10px;">  <p style="font-size: small;">GHS06 Toxic</p> </div> </div>
Signal Words: Warning
Hazard Statements: H301 Toxic if swallowed H311 Toxic in contact with skin H400 Very toxic to aquatic life.
Precautionary Statements: P280 Wear protective gloves/protective clothing/eye protection/face protection. P273 Avoid release to the environment. P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P321 Specific treatment (see on this label). P312 Call a POISON CENTER/doctor if you feel unwell. P330 Rinse mouth. P302+P352 IF ON SKIN: Wash with plenty of water. P391 Collect spillage. P361+P364 Take off immediately all contaminated clothing and wash it before reuse. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.

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<b>3. COMPOSITION/ INFORMATION ON INGREDIENTS</b>		
<b>Component</b>	<b>CAS Number</b>	<b>Weight %</b>
Chlorhexidine Gluconate	18472-51-0	2%

<b>4. FIRST AID MEASURES</b>	
Inhalation	Keep patient calm, remove to fresh air.
Eye contact	Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open.
Ingestion	Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.
Note to physician	Treat according to symptoms no known specific antidote.

<b>5. FIRE-FIGHTING MEASURE</b>	
Extinguishing media	Use dry chemical, foam, or carbon dioxide to extinguish fire. Water should be used to cool fire-exposed containers, structures and to protect personnel. Use water to dilute spills and to flush them away from sources of ignition.
Specific Hazards arising from substance or mixture	Carbon dioxide, carbon monoxide, hydrogen chloride gas, nitrogen oxides, ammonia
Advice for Fire Fighters	Protective equipment for fire-fighting: Wear a self-contained breathing apparatus.
Further Information	The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

<b>6. ACCIDENTAL RELEASE MEASURES</b>	
Personal precautions, protective equipment and emergency procedures	Use personal protective clothing. Information regarding personal protective measures see, section 8.
Environmental precautions	No risk is expected to result. No precautions required if used as directed.
Methods for cleaning up recovery	No special methods required. Dispose of large spills as per local rules and regulations.
Neutralisation and disposal of spillage	None

<b>7. HANDLING AND STORAGE</b>
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Observe the usual precautionary measures for handling and storing chemicals	
Handling	Do not get in eyes. Do not breathe vapours or mists. Keep container closed. Use good personal hygiene practices. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before re-use.
Storage	Store in tightly closed containers in cool, dry, well-ventilated area away from heat, sources of ignition and incompatibles. Store at ambient or lower temperature. Store out of direct sunlight. Keep containers tightly closed and upright when not in use. Protect against physical damage.

**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

**Exposure Limits: No further data available**

**Personal Protective Equipment:** Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Wash soiled clothing immediately.

Respiratory protection:

Not required under normal circumstances.

Eye protection:

Tightly fitting safety glasses.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	Liquid
Colour	Water White
Odour	Characteristic
PH Value	7
Boiling point/ boiling range (°c)	Not ascertained
Flash point (°c)	Not applicable
Solubility	Soluble in water
Viscosity at 20°C	Not ascertained
Specific gravity at 20°C	Not ascertained

**10. Stability and reactivity**

Stability and possible hazardous reactions	No hazardous reactions if stored and handled as prescribed/indicated.
Conditions/ materials to avoid	Incompatible material: strong oxidizers. Anionic Compounds

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Hazardous decomposition	No decomposition if used and stored in accordance with provisions for use. Decomposition products: Carbon monoxide (CO) and carbon dioxide (CO <sub>2</sub> ) Nitrogen oxides (NO <sub>x</sub> ) Ammonia (NH <sub>4</sub> ) Hydrogen chloride (HCl) gas
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**11. Toxicological information**

\*LD 50 test on animals available on certain raw materials in product on request

Acute Effects	Primary irritant effect: on the skin: May cause irritation to skin and mucous membranes. on the eye: Strong irritant with the danger of severe eye injury.
Chronic Effects	Sensitization: No sensitizing effects known

**12. Ecological information**

Toxicity	Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment. Low toxicity to sewage microorganisms. LC-50: Zebra danio (Danio rerio) 2.08 mg/L (96 hour)
Persistence/ Biodegradability	Not ascertained
Mobility in Soil	Not ascertained
Additional Information	None

**13. Disposal considerations**

Disposal of chemical product	Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with local authority regulations.
Disposal of contaminated packaging	Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorised use of used containers.

**14. Transport regulations**

Not classified as hazardous for transport

**15. REGULATORY INFORMATION**

Labelling accordance with SANS 10234 latest revision.	OHS Act, 1993 (Act No. 85 of 1993). Hazardous Substance Regulation of 1995
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**16. ADDITIONAL INFORMATION (E.G. SPECIAL TRAINING OR RESTRICTIONS ON THE PRODUCTS USE)**

Refer to product data sheet for product use directions

The information contained herein is accurate to the best of our knowledge. Hychem (Pty) Ltd makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.