

MATERIAL SAFETY DATA SHEET
PRODUCT NAME: QUATRACIDE

1. Product and Company identification	
Product Name	QUATRACIDE
Product Description	Highly active QAC sanitiser
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 1885/0860 102 555

2. Composition/ Information on ingredients	
Chemical Nature	Clear Purple Liquid
Components contributing to the hazard	Didecyl Dimethyl Ammonium Chloride
Chemical or generic name of components	1. Quaternary Ammonium Chloride 2. Nonyl Phenol Ethoxylate
Concentration range	1. Low 2. Low
VHIGH >60%, HIGH 30-60%, MED 10-29%, LOW 1-9%, VLOW >1%	
Classification and hazard labelling	XI Irritant
Major hazard	Irritant, Environmentally Hazardous Substance
UN/ CAS	UN3082
R-Phrases	R36, R37, R38

3. Hazard identification (Summary of most important hazards)	
Hazard category	XI Irritant
Adverse human health affects	Irritant to eyes, skin and if ingested
Environmental effects	Not thoroughly investigated
Chemical hazard	Irritant, Environmentally Hazardous Substance
Classification of the chemical product	At concentrations recommended for disinfectant and cleaning purposes no significant effects occur

4. First Aid Measures	
Action to be avoided	Do not induce vomiting
Inhalation	Remove patient from exposure. If prolonged adverse effects occur seek medical assistance.
Skin contact	Wash with large quantities of water. Remove and wash contaminated clothing.
Eye contact	Keep eyes open and flush with clean water for 15 minutes. Obtain medical advice.
Ingestion	Give large volumes of clean water to drink. Obtain medical attention.
Note to physician	Treat symptomatically as per general disinfectant-detergent.

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5. <u>Fire fighting measures</u>	
Extinguishing media	Non flammable
Inappropriate distinguishing media	Not applicable
Specific hazards	None
Special equipment for protection	None required

6. <u>Accidental release measures</u>	
Personal precautions	Wear protective clothing and equipment to prevent eye, skin contact and ingestion.
Environmental precautions	Do not allow product to enter soil and waterways.
Methods for cleaning up recovery	Mechanically or liquid binding material i.e. sand.
Neutralisation and disposal of spillage	No neutralisation required. Remove to waste disposal area.

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

8. <u>Exposure controls/ Personal protection</u>	
<u>Control Parameters</u>	
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 PVC gloves, goggles and apron
Personal hygiene measures	Wash contaminated clothing before storage or re-use

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9. Physical and chemical properties	
Form	Liquid
Colour	Clear purple
Odour	None
PH Value	10 (as received)
Boiling point	Not ascertained
Flash point	Not ascertained
Vapour pressure	Not ascertained
Vapour density	Not ascertained
Density	Not ascertained
Solubility	Soluble in water
Viscosity at 20°C	4.5 mPa.s
Specific gravity at 20°C	0.995 (+/- 0.02)
% Volatile by volume	Not ascertained

10. Stability and reactivity	
Stability and possible hazardous reactions	Product is stable
Conditions/ materials to avoid	Avoid food stuff, oxidising agents and strong acids
Hazardous decomposition	No decomposition if stored and used in accordance with provisions for use

11. Toxicological information	
LD 50 test on animals available on certain raw materials in product	
Acute Toxicity	No data
Local effects	Symptoms may arise if product is mishandled
Sensitisation	Can cause irritation of eyes and skin
Chronic toxicity	None
Long term toxicity	None

12. Ecological information	
Possible environmental effects	Not thoroughly investigated
Behaviour and fate	Soluble in water. Avoid product spillage from entering waterways.
Persistence/ Biodegradability	No evidence for biodegradability in water

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	
Packaging group	III
Classification	Class 9

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UN Number	3082
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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	R36 – Irritating to eyes
	R37 – Irritating to the respiratory system
	R38 – Irritating to skin
EEC hazard classification Safety phrases	S7 – Keep container tightly closed
	S13 – Keep away from food, drink and animal food
	S18 – Handle and open container with care
	S24 – Avoid contact with skin
	S25 – Avoid contact with eyes
	S26 – In case of contact with eyes, rinse immediately with plenty of water. Seek medical advice.
	S27 – Remove contaminated clothing
	S28 – After contact with skin wash immediately with plenty of water
	S36 – Wear suitable protective clothing

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.