

MATERIAL SAFETY DATA SHEET
PRODUCT NAME: MICROBAC RED

1. Product and Company identification	
Product Name	MICROBAC RED
Product Description	Q.A.C Detergent/Disinfectant
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

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

3. Hazard identification (Summary of most important hazards)	
Hazard category	XI Irritant (low)
Adverse human health affects	Slightly irritating to skin, eyes and if ingestion
Environmental effects	None known
Physical hazard	Handle open container with care. Avoid contact with eyes and skin
Classification of the chemical product	At concentrations recommended for washing purposes, no significant effects occur

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4. <u>First Aid Measures</u>	
Action to be avoided	Do not induce vomiting
Inhalation	Remove patient from exposure Prolonged exposure may cause drowsiness and inability to concentrate
Skin contact	Wash with large quantities of water
Eye contact	Keep eyes open and flush with clean water 15 min. Obtain medical attention
Ingestion	Wash out mouth with clean water and give 200-300ml of water to drink. Do not induce vomiting. Seek medical attention
Note to physician	Treat as for biocide

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 contact to eyes, skin and ingestion
Environmental precautions	Do not allow large volumes of 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 contact with the eyes and skin Ensure container is properly closed and not leaking
Storage	Keep container tightly closed in a dry secure area. Store away from oxidising agents 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

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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	The use of an approved respirator, goggles and apron is advised in abnormal conditions
Personal hygiene measures	Wash contaminated clothing before storage and re-use

9. Physical and chemical properties	
Form	Liquid
Colour	Clear Red
Odour	Floral
PH Value	10 (as received)
Boiling point	101°C
Flash point	Not applicable
Explosion properties	Not applicable
Vapour pressure	Not ascertained
Vapour density	Not ascertained
Density	Not applicable
Solubility	Soluble in water
Viscosity at 20°C	4.5 mPa.s
Specific gravity at 20°C	1.02 (+/- 0.02)

10. Stability and reactivity	
Stability and possible hazardous reactions	Product is stable No hazardous reactions
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 50test on animals available on certain raw materials in product	
Acute Toxicity	None known
Local effects	Symptoms may arise if product is mishandled
Sensitisation	Can cause irritation of the eyes and skin
Chronic toxicity	None known
Long term toxicity	None known

12. Ecological information	
Possible environmental effects	Not known

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Behaviour and fate	Soluble in water, avoid large product spillage from entering waterways
Persistence/ Biodegradability	No evidence of 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	
Hazard Category	9
Packaging group	III
UN Number	3082

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 the eyes
	R37 – Irritating to the respiratory system
	R38 – Irritating to the skin
EEC hazard classification Safety phrases	S7 – Keep container tightly closed
	S13 – Keep away from food, drink and animal feed
	S18 – Handle and open container with care
	S24 – Avoid contact with the skin
	S25 – Avoid contact with the eyes
	S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S27 – Take off 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.	