

MATERIAL SAFETY DATA SHEET
PRODUCT NAME: ELCOBEN

1. Product and Company identification	
Product Name	ELCOBEN
Product Description	Highly Concentrated Bactericide with Strong Deodorising Properties
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	Straw Liquid
Components contributing to the hazard	Paradichlorobenzene, Quaternary Ammonium Compound
Chemical or generic name of components	1,4-Dichlorobenzene, QAC
Concentration range	Medium, Low
VHIGH >60%, HIGH 30-60%, MED 10-29%, LOW 1-9%, VLOW >1%	
Classification and hazard labelling	Irritant, Suspected Human Carcinogen
Major hazard	Paradichlorobenzene
UN/ CAS	CAS95-50-1, UN3077
R-Phrases	R36, R40, R51

3. Hazard identification (Summary of most important hazards)	
Hazard category	Class 9
Adverse human health affects	Strongly Irritating to the eyes, skin and airways, suspected carcinogen
Environmental effects	Toxic if ingested/inhaled

4. First Aid Measures	
Action to be avoided	Do not induce vomiting
Inhalation	In case of inhalation remove to fresh air
Skin contact	Flush with clean water, if irritation persists seek medical attention
Eye contact	Flush with large volumes of clean water for 15 min
Ingestion	Do not induce vomiting, drink large amounts of water. Seek medical attention if required.
Note to physician	Treat symptomatically as for Paradichlorobenzene

5. Fire fighting measures	
Extinguishing media	Not applicable
Inappropriate distinguishing media	None known

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Specific hazards	Not applicable
Special equipment for protection	Not applicable

6. Accidental release measures	
Personal precautions	Avoid eye contact and do not ingest or inhale
Environmental precautions	Water contamination, do not allow product to enter soil, ground, drains and waterways.
Methods for cleaning up recovery	Mechanically or liquid binding material i.e. sand
Neutralisation and disposal of spillage	Absorb spills with absorbent, non-combustible matter and remove to waste disposal area

7. Handling and storage	
Observe the usual precautionary measures for handling and storing chemicals	
Handling	Do not ingest, avoid eye contact Ensure container is properly closed and not leaking. Do not mix with other chemicals. Wear correct protective clothing when handling ie. Gloves, apron
Storage	Keep container tightly closed in a dry secure area. Store away from sources of ignition and heat. Keep away from oxidising agents and food stuffs. Check containers regularly for leakage and possible distension. Material must be stored in accordance with local rules and legislation

8. Exposure controls/ Personal protection	
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	None required
Personal hygiene measures	Wash contaminated clothing before storage, re-use

9. Physical and chemical properties	
Form	Liquid
Colour	Clear Straw
Odour	Not applicable
PH Value	Not ascertained
Boiling point	Not ascertained
Flash point	Not ascertained
Vapour pressure	Not ascertained

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Vapour density	Not ascertained
Density	Not applicable
Solubility	Miscible in water
Viscosity at 20°C	Not ascertained
Specific gravity at 20°C	Not ascertained

10. Stability and reactivity

Stability and possible hazardous reactions	Product is stable
Conditions/ materials to avoid	Acids
Hazardous decomposition	No decomposition if stored and used in accordance with the provisions for use

11. Toxicological information

LD 50 test on animals available on certain raw materials in product	
Acute Toxicity	Can cause strong irritation
Local effects	Symptoms may arise if product is mishandled
Sensitisation	May cause irritation on prolonged inhalation or skin contact
Chronic toxicity	Suspected Human Carcinogen
Long term toxicity	Hazardous in case of continuous inhalation

12. Ecological information

Possible environmental effects	Toxic to aquatic organisms
Behaviour and fate	Avoid large volumes of product spillage from entering waterways
Persistence/ Biodegradability	Not established

13. Disposal considerations

Disposal of chemical product	According to the local rules and legislation
Disposal of contaminated packaging	At any government approved waste disposal facility

14. Transport regulations

Packaging group/ Danger group	III
Class	9
UN	3077
Precautionary measures and conditions	As for handling chemicals relating to UN3077

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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	R40 – Limited evidence of a carcinogenic effect
	R36 – Irritating to eyes
	R51 – Toxic to aquatic organisms
EEC hazard classification Safety phrases	S3 – Keep in a cool place
	S15 – Keep away from heat
	S16 – Keep away from sources of ignition (no smoking)
	S17 – Keep away from combustible material
	S25 – Avoid contact with the eyes
	S29 – Do not empty into drains

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.