



MATERIAL SAFETY DATA SHEET

PRODUCT:	SPORERINSE - H
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1. Product and Company Identification

PRODUCT NAME:	SPORERINSE - H	
SYNONYM:	Disinfectant Cleaner	
CHEMICAL NAME:	Quaternary Ammonium Compound with detergent and TBTO	
CAS NO:	TBTO: 56-35-9	
UN NO:	1903 Class 8	
REF NO:		
SUPPLIER/MANUFACTURER:	Name:	<i>Pineland Environmental Technology (Pty) Ltd</i>
	Address:	Unit B41 Pinelands Business Park New Mill Road Pinelands Cape Town
	Tel No:	+27 (0)21-531-3749
	Telefax:	+27 (0)21-531-3903
EMERGENCY TELEPHONE NO:	083 464 1074 (Chris Davidson)	

2. Composition/Information on Ingredients

CHEMICAL NATURE:	Combination of Quaternary Ammonia Compounds and Nonionic Surfactants, amphoteric, TBTO.
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3. Hazards Identification

ADVERSE HUMAN HEALTH EFFECTS:	Only when vaporized does the product give off unpleasant odours.
PHYSICAL AND CHEMICAL HAZARDS:	N/A
- Fire or explosion:	Not Flammable.
CLASSIFICATION/SPECIFIC HAZARDS:	

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4. First Aid Measures (To be done by first aider)

INHALATION:	Move person to fresh air.
SKIN CONTACT:	Will effect skin with prolonged use.
EYE CONTACT:	Flush eyes with excess water and seek medical advice.
INGESTION:	No adverse effect with small doses. For large doses, drink a large quantity of milk, egg white/gelatin solution or drink a large quantity of water. Administer activated charcoal, do not induce vomiting.

5. Notes to Physician (NB: This treatment is only to be given by a medical doctor or under his supervision)

INGESTION:	Only on large intakes would it cause loosening of the stomach.
CARCINOGENITY:	N/A

6. Fire Fighting Measures

EXTINGUISHING MEDIA:	Water Fog, Carbon Dioxide, Alcohol resistant foam, Dry chemicals.
- Suitable:	Water spray jet, extinguishing powder, CO2 and foam.
- Not to be used:	None known
SPECIFIC HAZARDS:	Burning can release NOx , HCl and carbon monoxide.

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7. Accidental Release Measures

PERSONAL PRECAUTIONS:	None.
ENVIRONMENTAL PRECAUTIONS:	Hazardous for the aquatic environment – do not release into surface water.
METHODS FOR CLEANING UP:	Wash with excess water.

8. Handling and Storage

HANDLING:	Normal handling conditions
Technical Measures:	
STORAGE:	Cool, dry area.
Technical measures:	N/A
Recommended storage conditions:	
Incompatible products:	
Packaging:	
Packaging materials:	
- Recommended:	Plastic containers
- Not suitable:	Steel

9. Exposure Controls/Personal Protection

Engineering Measures:	
PERSONAL PROTECTIVE EQUIPMENT:	
- Hand Protection:	Avoid prolonged contact
- Eye Protection:	None under normal conditions.
- Skin and body Protection:	Avoid prolonged contact

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10. Physical and Chemical Properties

APPEARANCE:	Clear Liquid
- Physical state:	Liquid
- Colour:	Clear
ODOUR:	Typical
- pH:	7 to 9
SPECIFIC TEMPERATURES:	
- Melting:	N/A
- Boiling:	Greater than 85 degrees C
FLAMMABILITY CHARACTERISTICS:	Water based product
- Flash point:	Greater than 40 degrees C
- Ignition temperature:	Greater than 400 degrees C
- Explosion limits:	Not self -igniting, not explosive
OXIDIZING PROPERTIES:	N/A
DENSITY:	1.02
BULK DENSITY:	
VAPOUR PRESSURE:	48 hPa
SOLUBILITY:	
- In water:	Fully miscible
- In organic solvents:	

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11. Stability and Reactivity

STABILITY:	
HAZARDOUS REACTIONS:	
- Materials to avoid:	Strong oxidizing agents
- Conditions to avoid:	None.
- Hazardous decomposition products:	None if storage and handling is done according to specification.

12. Toxicological Information

ACUTE TOXICITY:	Oral LD50 rat 645 mg/kg undiluted; dermal LD50 2600 mg/kg. TBTO: rat LD50 87 mg/kg in undiluted state, not in Sporequot H blend.
LOCAL EFFECTS:	Skin irritation and stomach distress

13. Ecological Information

BEHAVIOUR IN THE ENVIRONMENT:	Aquatic toxicity the concentrate.
PERSISTENCE/DEGRADABILITY:	Degradable: more than 90% elimination
EXPECTED BEHAVIOUR OF THE PRODUCT:	
POSSIBLE IMPACT/EFFECTS:	
ECOTOXICITY:	Low.

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14. Disposal Considerations

STABILITY:	
WASTE FROM RESIDUES:	
- Disposal:	Wash with excess water.
CONTAMINATED PACKAGING:	
Decontamination/cleaning:	
Disposal:	Hazardous waste treatment plant

15. Transport Information

LAND:	No special transport conditions.
RAIL/ROAD (RID/ADR):	
SEA (IMO/IMDG):	
AIR (ICAO-IATA):	

16. Regulatory Information

EEC REGULATIONS:	Not known.
HAZARD SYMBOL:	Xi (irritant)
R PHRASES:	R36/38
S PHRASES:	S26; S46

17. Other Information

USES:	General Disinfectant.
OTHER:	Sporocidal at 1:100 for fungi and bacterial spores. Fungicidal.

The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended.

The classification was effectuated according to information derived from technical literature and supplier companies.

Information included in this document is based on our present state of knowledge, however, they do not assure the product properties and do not assume any legal condition.

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The material safety data sheet completes the product information without replacing it.

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