



## **MATERIAL SAFETY DATA SHEET**

PRODUCT:	Descaler - H
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### **1. Product and Company Identification**

PRODUCT NAME:	Descaler - H	
SYNONYM:	Descaler & Cleaner.	
CHEMICAL NAME:	Acid based descaler.	
CAS NO:		
UN NO:		
REF NO:		
SUPPLIER/MANUFACTURER:	Name:	Pineland Environmental Technology (Pty) Ltd
	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:	Contains a blend of phosphoric, sulphuric acids & surfactants.
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### **3. Hazards Identification**

ADVERSE HUMAN HEALTH EFFECTS:	Corrosive on skin and mucous membranes
PHYSICAL AND CHEMICAL HAZARDS:	Very corrosive which can cause burning to eyes, skin, etc
- Fire or explosion:	Non flammable, but may contribute to the combustion of other substances and causes violent and sometimes explosive Reactions
CLASSIFICATION/SPECIFIC HAZARDS:	

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ALL PINELAND ENVIRONMENTAL TECHNOLOGY HACCP PRODUCTS CARRY THE APPROPRIATE SABS MARK



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#### 4. First Aid Measures (To be done by first aid personnel)

INHALATION:	Remove to fresh air. If breathing of victim is difficult administer oxygen
SKIN CONTACT:	If burns occur remove all clothing and wash with excess water
EYE CONTACT:	Eye irritation can be severe. Flush immediately with running water for 20 minutes. Hold eyelids open while washing. Consult doctor as soon as possible
INGESTION:	Rinse mouth well. Drink water and milk of magnesia. Consult doctor immediately.

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

INGESTION:	.
CARCINOGENITY:	

#### 6. Fire Fighting Measures

EXTINGUISHING MEDIA:	Dry chemicals, water, halon or standard foam.
- Suitable:	
- Not to be used:	
SPECIFIC HAZARDS:	This product is not flammable but may contribute to combustion of other substances and cause violent and sometimes explosive reactions

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#### 7. Accidental Release Measures

PERSONAL	Full protective clothing, including facemasks.
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PRECAUTIONS:	
ENVIRONMENTAL PRECAUTIONS:	For small spills take up with sand or other absorbent material.
CLEAN UP	Dispose in accordance with local legal provisions

## 8. Handling and Storage

HANDLING:	
Technical Measures:	Keep separate from other chemicals.
STORAGE:	Cool dry area
Technical measures:	Do not store in metal drums.
Recommended storage conditions:	Cool dry area
Incompatible products:	Reacts with alkalis and most metals and releases highly flammable hydrogen.
Packaging:	Plastic cans.
Packaging materials:	
- Recommended:	Plastic
- Not suitable:	Steel

## 9. Exposure Controls/Personal Protection

Engineering Measures:	
PERSONAL PROTECTIVE EQUIPMENT:	
- Hand Protection:	Gloves
- Eye Protection:	Mask
- Skin and body Protection:	Overalls and aprons

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## 10. Physical and Chemical Properties

APPEARANCE:	
- Physical state:	Liquid
- Colour:	None to slight
ODOUR:	Slight acidic
- pH:	1-2
SPECIFIC TEMPERATURES:	
- Melting:	N/a
- Boiling:	
FLAMMABILITY CHARACTERISTICS:	

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- Flash point:	N/a
- Ignition temperature:	N/a
- Explosion limits:	N/a
OXIDIZING PROPERTIES:	
DENSITY:	1,20
BULK DENSITY:	1,20
VAPOUR PRESSURE:	
SOLUBILITY:	
- In water:	Fully miscible

## 11. Stability and Reactivity

STABILITY:	Stable under normal conditions
HAZARDOUS REACTIONS:	
- Materials to avoid:	Alkalis.
- Conditions to avoid:	Heated non ventilated areas
- Hazardous decomposition products:	

## 12. Toxicological Information.

ACUTE TOXICITY:	
LOCAL EFFECTS:	

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## 13. Ecological Information

BEHAVIOUR IN THE ENVIRONMENT:	This products is biodegradable with time. No ecological problems are expected when product is used and handled properly.
PERSISTENCE/DEGRADABILITY:	
EXPECTED BEHAVIOUR OF THE PRODUCT:	
POSSIBLE IMPACT/EFFECTS:	
ECOTOXICITY:	

## 14. Disposal Considerations

STABILITY:	
WASTE FROM RESIDUES:	Information not available at present
- Disposal:	
CONTAMINATED PACKAGING:	

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Decontamination/cleaning:	
Disposal:	

### 15. Transport Information

LAND:	Normal road transport
RAIL/ROAD (RID/ADR):	
SEA (IMO/IMDG):	
AIR (ICAO-IATA):	

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### **16. Regulatory Information**

EEC REGULATIONS:	
HAZARD SYMBOL:	
R PHRASES:	
S PHRASES:	

### **17. Other Information**

USES:	
OTHER:	

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 present knowledge; however, they do not assure the product properties and do not assume any legal condition.

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