

Material Safety Data Sheet

1. Product and Company Identification		5. Fire Fighting Measures	
Product Name	DESCALE	Flammability of Product	Non-flammable
Chemical Type	Liquid Cleaner		
Manufacturer	Pineland Environmental Technology (Pty) Ltd	Specific Hazards	Can produce toxic fumes
Address	Unit B41, Pinelands Business Park, New Mill Road, Pinelands, 7405 Cape Town		
Telephone Number	+27 21 531-3749 (021) 531-3749	Extinguishing Agents	Use extinguishing media appropriate to fire
Fax Number	+27 21 531-3903 (021) 531-3903		
Emergency Number	082 464 1074		
2. Composition/Information on Ingredients		6. Accidental Release Measures	
Components	Detergents	Spills and Leaks	Dilute with water and mop up, or dry with an inert dry material and place in waste container
3. Hazards Identification		7. Handling and Storage	
Physical State and Appearance	Clear Liquid	Handling	Handle with care
Hazardous Components	Hydrochloric Acid		
Potential Accute Health Effects		Storage	Keep container closed. Store in a cool, dry place away from food. Keep out of reach of children.
Eyes	Burning and irritation		
Skin	Irritation and redness		
Inhalation	Irritation of respiratory tract		
Ingestion	Burning and irritation of mouth, throat and digestive tract		
4. First Aid Measures		8. Exposure Controls/Personal Protection	
Eye Contact	Flush with running water. Get medical attention	Occupational Exposure Limits	Not determined in terms of OEL
Skin Contact	Flood with water and wash well		
Inhalation	Remove to fresh air. Get medical attention	Personal Protection - Eyes	Use protective eyewear Have eyewash facilities available
Ingestion	Drink large amount of water or milk instantly for dilution of acid	- Hands	Use protective gloves
	Treatment is symptomatic	- Skin	Use protective equipment
	Get immediate medical attention	- Respiratory	No special requirements
		- Ventilation	Provide natural or mechanical ventilation

The information contained is presented in good faith and to the best of Pineland Environmental Technology's knowledge and experience. However, it is made without any warranty or guarantee



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9. Physical and Chemical Properties		13. Disposal Consideration	
Form	Brown foaming liquid	Disposal Method	Waste from product used may be discharged
Odour	Pine		to sewer in compliance with local/municipal
Solubility	Fully soluble in water		pre-treatment requirements.
pH	1,5 - 2,5		
Flash Point	Non-Flammable		
Boiling Point	Not Determined	Disposal of Packaging	Recycle where possible or send to landfill.
		14. Transport Information	
10. Stability and Reactivity			Cleaning liquid N.O.S.
Conditions to Avoid	Store away from alkaline products		
	Store away from chlorine based products		
Incompatibility	Reactive with chlorine products		
		15. Regulatory Information	
Hazardous Decomposition Products	None		This product is not classified as hazardous
Thermal Decomposition	None		
11. Toxicological Information		16. Other Information	
	Not determined	Product Use: Acid-Clean	
		General cleaning	Use undiluted. Allow contact time 2 - 3 mins.
			Use brush or scourer to remove stubborn
			stains. Flush to rinse
12. Ecological Information			
Biodegradable	Partly biodegradable	Note to doctor: Aspiration and lavage or emetics should not be used. Dilute the	
		acid and relieve pain. Opioid analgesia may be required	
		Validated by	CP Davidson
		Date	July 2003

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