



PINELAND ENVIRONMENTAL TECHNOLOGY (PTY) LTD
Unit B41, Pinelands Business Park, New Mill Road, Pinelands, 7405 Cape Town

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT IDENTIFICATION : Product Identification - All-Brite

A foaming, non-perfumed, acid based clear liquid designed to be used for the cleaning and brightening of all stainless steel and aluminium items.

Manufacturer/Supplier: Pineland Environmental Technology (Pty) Ltd.

Tel: 021-531 3749 Fax: 021-531 3903

Emergency telephone number: 082 464 1074

2. COMPOSITION / INFORMATION ON INGREDIENTS :

Ammonium Bifluoride, Nonionic Surfactant, Acids, Water

3. HAZARD IDENTIFICATION :

This product contains acids.

4. FIRST AID MEASURES :

Never give fluids or induce vomiting if patient is unconscious or is having

convulsions. EYES: Flush eyes with excess water and seek medical advice.

SKIN : Avoid all direct contact with product. If contact occurs, wash off in flowing water or

shower. INGESTION : Induce vomiting if large amounts are ingested. Consult medical advice.

INHALATION: There should be no adverse effect from inhalation, however, if a reaction does occur, remove patient to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified person. Call a physician or transport to medical facility.

NOTE TO PHYSICIAN: No specific antidote. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient.

5. FIRE FIGHTING MEASURES :

Extinguishing media: Water fog, carbon dioxide, alcohol resistant foam, dry

chemicals. Hazardous combustion products: None known.

Protection of firefighters: Wear positive-pressure self contained breathing apparatus and protective fire fighting clothing.

6. ACCIDENTAL RELEASE MEASURES :

Personal precautions: Wear adequate protective clothing.

Environmental precautions: Prevent contamination of surface and ground water.

Methods of cleaning up: Cover with any typical branded washing powder to soak up small spills, remove with rubber shovel and collect for disposal. For large spills dike and pump into appropriate containers.



7. HANDLING AND STORAGE :

As this product contains very strong acids, all contact with the skin should be avoided. Wear protective apparel at all times.

Do not store this product in open sunshine. Keep containers tightly closed.

8. EXPOSURE CONTROL / PERSONAL PROTECTIVE EQUIPMENT :

RESPIRATORY PROTECTION : Use NIOSH approved respirator with alkaline vapour cartridges only if adequate ventilation is not available.

PROTECTIVE GLOVES : Rubber or Plastic.

EYE PROTECTION : Splash goggles or face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES :

BOILING POINT – $\pm 98^{\circ}\text{C}$

FREEZING POINT – $\pm -5^{\circ}\text{C}$

PH ± 1

APPEARANCE -- Clear Fluid

WATER SOLUBILITY – Miscible in all proportions

COLOUR – Pale Yellow/Green

SPECIFIC GRAVITY -- ± 1.08 (20°C)

FLASH POINT – None

ODOUR – Typical Acidic

10. STABILITY AND REACTIVITY :

Stable under normal storage conditions. Avoid oxidising agents.

11. TOXICOLOGICAL INFORMATION :

Skin absorption is low. Signs and symptoms of excessive repeated exposure may be anaesthetic or narcotic effects. May cause slight irritation to the eyes. Corneal injury is unlikely. Birth defect are highly unlikely. Even exposures having an adverse effect on the mother should have no effect on the fetus. Results of in vitro (test tube) mutagenicity tests have been negative.

12. ECOLOGICAL INFORMATION :

Biodegradability: Biodegradation after 30 days is greater than 85%. Degradation is expected in the atmospheric environment within minutes to hours.

13. DISPOSAL CONSIDERATIONS

Reuse spilled material if possible, otherwise check with local landfill requirements.

14. TRANSPORTATION INFORMATION :

The product is not regulated as a hazardous material.

15. REGULATORY INFORMATION

The product is not regulated as a hazardous material.



16. OTHER INFORMATION :

This information and recommendations in this safety data sheet are to the best of our knowledge, information and belief, accurate at the date of publication. Nothing herein is to be construed as a warranty, express or otherwise. In all cases, it is the responsibility of the user to determine the applicability of such information or the suitability of any products for their own particular purpose.