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PHOENIX PRODUCTS CO.. PRODUCT NAME: SUPER ERACE
55 CONTAINER DR
TERRYVILLE, CT 06786
(860) 589-7502

MATERIAL
SAFETY DATA
SHEET
2/25/02

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SECTION I - OSHA HAZARD CLASSIFICATIONS

Corrosive to eyes and irritating to skin

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SECTION II - HAZARDOUS COMPONENTS

<u>CHEMICAL NAME</u>	<u>CAS Number</u>	
(1-Hydroxyethylidene)diphosphonic acid	2809-21-4	proprietary formulation

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SECTION III - PRECAUTIONARY LABEL INFORMATION AS PRESCRIBED BY THE U.S. EPA

This section is not applicable to non-biocides

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SECTION IV - EMERGENCY AND FIRST AID PROCEDURE

INHALATION: Remove to fresh air if effects occur. If individual experiences nausea, headache, dizziness, has difficulty breathing or is cyanotic, consult a physician.

SKIN: Wash exposed area with plenty of soap and water. Repeat washing . Remove contaminated clothing and wash thoroughly before reuse. If irritation persists consult a health care professional .

EYE: Immediately flush with water for at least 30 minutes. Immediately consult a physician.

INGESTION: Give large amounts of water or milk and transport to medical facility. DO NOT INDUCE VOMITING. In case where the individual is demi-comatose, comatose or convulsing, Do Not give fluids by mouth.

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SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE:

Inhalation: May cause irritation or corrosion of mucous membranes and the lungs. Exposed individuals should be monitored for respiratory distress, bronchitis or pneumonia.

Skin: Irritant. Irritation will depend on solution strength, length of exposure and first aid measures.

Eye: Corrosive. Mild to severe irritation depending on the length of exposure, solution concentration and first aid measures.

Ingestion: Ingestion is not expected to be a primary route of exposure.

Effects from chronic exposure to this product have not been fully evaluated.

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SECTION VI - TOXICOLOGY

Acute Effects:

Acute Oral LD50: 2,400.0 mg/kg

Acute Dermal LD50: > 7,940.0 mg/kg

Irritant Effects: Corrosive to eyes. Irritating to skin.

Sensitization Effects: Not tested but none expected.

Carcinogenic Potential: Not listed in any of OSHA standard, section 1910.1200 sources as carcinogenic.

Target Organ Effects: Skin and eyes (burns and corrosion).

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CHEMICAL NAME:
(1-Hydroxyethylidene)diphosphonic acid

TRADE NAME: Super Erace

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SECTION VII PHYSICAL AND CHEMICAL PROPERTIES

Appearance: clear, colorless to pale yellow liquid
Odor: Mild, vinegar like
Density at 25^o C: 1.45 g/mL
Flash Point: > 100^oC (>212^o F)
Boiling Point: > 100^o C (> 212^o F)
Solubility: Completely miscible with water in all proportions.
pH: 1.0
pH (100 ppm in water): 2 -3

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SECTION VIII - FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A
Flammable Limits: N/A
Extinguishing Media: Water fog, Carbon dioxide, foam, dry chemical.
Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.
Unusual Fire and Explosion Hazards: None

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SECTION IX - REACTIVITY DATA

Stability: Stable
Conditions to Avoid: None
Incompatibility (materials to avoid): strong alkali
Hazardous Decomposition: oxides of phosphorous and carbon.

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SECTION X - SPILL, LEAKAGE & DISPOSAL PROCEDURES

Steps to take if material leaks or spills: Soak up with absorbent material and scoop into drums. flush residue with plenty of water. Product is a hazardous waste, EPA Hazard Code (C), EPA Hazard Waste Number D002 due to pH.
Waste disposal method: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. Must comply with all Federal, State and Local regulations.
For Unused & Uncontaminated Product: Preferred option is to use a private licensed contractor.

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SECTION XI - SPECIAL PROTECTION DATA

Eye Protection: Use chemical goggles. Eye wash fountain should be located near work area.
Protective Gloves: Rubber gloves are required.
Other Equipment: Wear clean, long-sleeved, body-covering clothing, and protective shoes.

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SECTION XI - SPECIAL PRECAUTIONS DATA

Handling and Storage: Do not store in aluminum, carbon steel, copper, copper alloys, zinc or nickel containers. Store between 32°F and 120°F.
Other: None.

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SECTION XII - TRANSPORTATION INFORMATION

This material is not a hazardous material and is not regulated by the D.O.T.

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The information herein is given in good faith but no warranty, expressed or implied, is made.

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THE PHOENIX PRODUCT COMPANY
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