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PHOENIX PRODUCTS CO.
55 CONTAINER DR
TERRYVILLE, CT 06786
(860) 589-7502

PRODUCT NAME: STAINBUSTER AND
CENTRAL METAL & SCALE

MATERIAL
SAFETY DATA
SHEET
2/25/02

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SECTION I - IDENTIFICATION

CHEMICAL NAME & SYNONYMS: 1-Hydroxyethylidene-1, 1-diphosphonic acid.
TRADE NAME: Stainbuster and Private label (Central Metal & Scale)
DESCRIPTION: Clear liquid having a slight odor.
CAS NO. 2809-21-4

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SECTION II - PHYSICAL DATA

Boiling Point: > 212°F
Vapor Pressure: N/A
% Volatile by Volume: N/A
Solubility in water: Complete in water
pH (neat): 1.0
Freezing Point: N/A
Specific Gravity (H₂O=1): 1.45
Vapor Density: N/A
Evaporation Rate: N/A
pH (100ppm in water): 2-3

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SECTION III - HAZARDOUS INGREDIENTS

MATERIAL	CAS NO.	HAZARD DATA
1-Hydroxyethylidene-1, 1-diphosphonic acid	2809-21-4	proprietary formulation
None		

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: None < 212°F
Flammable Limits in Air % By Volume: N/A
Extinguishing Media: Water fog, carbon dioxide, foam, dry chemical.
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: None
Autoignition Temp: N/A

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SECTION V - HEALTH HAZARD DATA

ACUTE EFFECTS: Acute oral LD50 = 3.1 g/kg; Acute Dermal LD50 > 10g/kg
IRRITANT EFFECTS: Corrosive to skin and eyes.
SENSITIZATION EFFECTS: Not tested, but none expected.
CARCINOGENIC POTENTIAL: Not listed in any OSHA Standard, Section 1910. 1200 Sources as carcinogenic.
OTHER HEALTH EFFECTS: None known.

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SECTION VI - EMERGENCY AND FIRST AID PROCEDURE

INHALATION: Remove to fresh air.
SKIN: Wash off with soap and water. Consult a physician if irritation occurs. Remove and wash contaminated clothing before reuse.
EYE: Immediately flush with cool water for at least 15 minutes. Immediately consult a physician.
INGESTION: N/A

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SECTION VII - TOXICOLOGY

Acute Oral LD50: 3.1 g/kg
Acute Dermal LD50: >10g/kg

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SECTION VIII - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: None

Incompatibility (materials to avoid): Strong Alkali

Hazardous Decomposition: None

Hazardous Polymerization: Will not occur.

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1-Hydroxyethylidene-1, 1-diphosphonic acid

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SECTION IX - SPILL, LEAKAGE & DISPOSAL PROCEDURES

Steps to take if material leaks or spills: Large Spills: Dam area to prevent spill from spreading. Small Spills: Flush Liquid to sewer with copious amounts of water.

Waste disposal method: Product is a hazardous waste. EPA Hazard Code (C). EPA Hazardous Waste Number D0002 due to pH. Offer empty drum for recycling or triple rinse and dispose of in an approved landfill. Must comply with all Federal, State and Local regulations.

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SECTION X - SPECIAL PROTECTION DATA

Ventilation: N/A

Eye Protection: Use goggles or safety glasses.

Respiratory Protection: Use an approved NIOSH respirator.

Protective Gloves: Use respiratory gloves.

Other Equipment: Wear clean, long-sleeved, body-covering clothing and boots.

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SECTION XI - SPECIAL PRECAUTIONS DATA

Handling and Storage: N/A

Other: Rubber gloves and safety glasses or goggles are required. Body-protective clothing and shoes are recommended. eye wash station near the work place are strongly recommended.

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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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