
*
PHOENIX PRODUCTS CO. PRODUCT NAME: ERACE MATERIAL
55 CONTAINER DR SAFETY DATA
TERRYVILLE, CT 06786 SHEET
(860) 589-7502 2/25/02

*
SECTION I - IDENTIFICATION

CHEMICAL NAME & SYNONYMS: Trisodium hydroxyethyl- ethylenediaminetriacetate, water solution.
HEDTA Na₃; hydroxyethyl-ethylenediaminetriacetic acid, trisodium salt.
TRADE NAME: Erace
DESCRIPTION: Pale yellow liquid with very slight ammonia odor.
CAS NO. Mixture: Sodium Hydroxide 1310-73-2, Trisodium nitrilotriacetate 5064-31-3, HEDTA Na₃
139-89-9
HMIS HAZARD DATA: Health Hazard: 1 Fire Hazard: 0 Reactivity: 0

*
SECTION II - PHYSICAL DATA

Boiling Point: 223°F, 106°C **Freezing Point:** -24°F, -31°C
Vapor Pressure: Same as water **Specific Gravity (H₂O=1):** 1.31 @ 25/25°C
% Volatile by Volume: N/A **Vapor Density:** Same as water.
Solubility in water: Completely miscible **Evaporation Rate:** N/A

*
SECTION III - HAZARDOUS INGREDIENTS

MATERIAL	CAS NO.	% BY WEIGHT
Water		50%
HEDTA Na ₃	00139-89-9	>41.3%
Trisodium nitrilotriacetate	005064-31-3	~1.5%
Sodium hydroxide	001310-73-2	<2%

*
SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: Aqueous system **Autoignition Temp:**
Flammable Limits in Air % By Volume: N/A N/A
Extinguishing Media: Water fog, Carbon dioxide, dry chemical, or Foam.
Special Fire Fighting Procedures: Wear self-contained breathing apparatus with full face piece and protective clothing.
Unusual Fire and Explosion Hazards: Readily generates hydrogen gas in contact with aluminum. May slowly generate hydrogen gas in contact with zinc.

*
SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:
Inhalation: Vapors or mists may cause irritation to respiratory tract, coughing, and difficulty breathing.
Skin: Prolonged or repeated exposure may cause skin irritation or even burn, some swelling possible.
Eye: Tearing, Stinging, Redness. Mists may cause eye irritation.
Ingestion: May cause gastrointestinal irritation or ulceration. May burn mouth and throat.

*
SECTION VI - EMERGENCY AND FIRST AID PROCEDURE

INHALATION: Remove to fresh air if effects occur. Consult a physician.
SKIN: Wash off in flowing water or shower.
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.

CHEMICAL NAME:

Trisodium hydroxyethyl-ethylenediaminetriacetate, water solution. HEDTA Na₃; hydroxyethyl-ethylenediaminetriacetic acid, trisodium salt.

TRADE NAME: Erace

*

SECTION VIII - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: None

Incompatibility (materials to avoid): Aluminum, Zinc. Corrosive to metals

Hazardous Decomposition: Readily generates hydrogen gas in contact with aluminum, may slowly generate hydrogen gas in contact with zinc..

Hazardous Polymerization: Will not occur.

*

SECTION IX - SPILL, LEAKAGE & DISPOSAL PROCEDURES

Steps to take if material leaks or spills: Evacuate area of nonessential personnel. Ventilate area. Soak up with absorbent material and scoop into drums. flush residue with plenty of water. Wash area with soap and water.

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. Check pH, if less than 12.5, the waste product is not a federal hazardous waste according to U.S. EPA regulation 40 CFR 261. If the pH is 12.5 or greater, classify and label in accordance with 40 CFR 261 as follows:

EPA Hazardous Code: Corrosive

EPA Hazardous Waste number: D002

For Unused & Uncontaminated Product: Preferred option is to use a private licensed contractor.

*

SECTION X - SPECIAL PROTECTION DATA

Ventilation: Local ventilation is adequate for most conditions.

Local Exhaust: May be necessary for some operations.

Eye Protection: Use chemical goggles. Eye wash fountain should be located near work area.

Respiratory Protection: Use an approved NIOSH mist respirator.

Protective Gloves: Use gloves impervious to this material.

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

*

SECTION XI - SPECIAL PRECAUTIONS DATA

Handling and Storage: Store in cool, dry, well ventilated area. Keep containers closed. Do not enter storage area unless area is adequately ventilated. Use only stainless steel, polyethylene, or plastic lined containers for handling and storage.

Work/Hygienic practices: Wash thoroughly after handling. Wash contaminated clothes before re-use.

*

SECTION XII - TRANSPORTATION INFORMATION

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

*

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

*

THE PHOENIX PRODUCTS COMPANY.
55 CONTAINER DR
TERRYVILLE, CT 06786