

ALDEN LEEDS, INC.
55 JACOBUS AVE.
SO. KEARNY, NJ 07032
(973) 589-3544

PRODUCT CODE # 3060
PRODUCT NAME: CONCHELATE

MATERIAL
SAFETY DATA
SHEET
10/20/04

SECTION I - IDENTIFICATION

CHEMICAL NAME & SYNONYMS: Ethylenediaminetetraacetic Acid Tetrasodium Salt, Tetrasodium EDTA, Solution containing trace Sodium Hydroxide

CHEMICAL FAMILY: Aminocarboxylic acid salt

FORMULA: (CH₂N)₂ (CH₂COONa)₄

TRADE NAME: Conchelte and Private Label

DESCRIPTION: Light yellow liquid with very slight amine odor.

CAS NO. Mixture: Sodium Hydroxide 1310-73-2, Tetrasodium EDTA 64-02-8

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 |
|-------------------------------------|-------------|-------------|
| Tetrasodium salt of EDTA | 000064-02-8 | 37% |
| Disodium ethylenediaminediacetate | 038011-25-5 | 1% |
| Trisodium ethylenediaminetriacetate | 019019-43-3 | 1% |
| Trisodium nitrilotriacetate | 005064-31-3 | 1% |
| Sodium hydroxide | 001310-73-2 | 1% |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A

Autoignition Temp: N/A

Flammable Limits in Air % By Volume: N/A

Extinguishing Media: Water fog, Carbon dioxide, dry chemical.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards: None

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

Inhalation: Vapors or mists may cause irritation to respiratory tract.

Skin: Prolonged or repeated exposure may cause skin irritation or even burn.

Eye: May cause sever irritation with corneal injury which may result in impairment of vision and possibly blindness. 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.

SECTION VII - TOXICOLOGY

Oral LD50(rat): 3030 mg/kg

Skin Absorption LD50 (rabbit): >5000 mg/kg

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SECTION VIII - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: None

Incompatibility (materials to avoid): Oxidizing materials; hydrogen is formed in the presence of aluminum.

Hazardous Decomposition: Carbon dioxide, carbon monoxide, ammonia and nitrogen oxides. Unidentified organic compounds may be formed during combustion.

Hazardous Polymerization: Will not occur.

SECTION IX - 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. 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.

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: Do not store in aluminum, carbon steel, copper, copper alloys, zinc or nickel containers. Store between 0 F and 120 F.

Other: None.

SECTION XII - TRANSPORTATION INFORMATION

This material is not a hazardous material and is not regulated by the D.O.T. For all transportation accidents, call **CHEMTREC** at 800-424-9300.

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

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55 JACOBUS AVE. SO. KEARNY, NJ 07032
24 HOUR EMERGENCY PHONE: CHEMTREC 800-424-9300