

AERCHEM INC.
320 North Walnut
Bloomington, IN 47408

Tel: 812.334.9996 Fax: 812.334.1960 Emergency: 800.424.9300

SECTION 1: IDENTIFICATION

Effective Date: 11/30/93

Product Name: **EDTA:** Ethylenediaminetetraacetic acid; acide ethylenediaminetetracetique (French); celonA; celon ATH; Cheelox; Cheelox BF acid; Chemcolox 340; Comlexon II; 3,6-diazaoctandioic acid, 3,6-bis(carboxymethyl)-; edathamil; edetic; edetic acid; EDTA (chelating agent); EDTA acid; endrate; N,N'-1,2-ethanedylbis (N-(carboxymethyl)glycine); ethylenediaminetetraacetate; ethylenediamine-N,N,N',N'-tetraacetic acid; glycine,N,N'-1,2-ethanedylbis (N-(carboxymethyl)-(9CI); hamp-ene acid; havidote; komplexon II; kyselina ethylenediaminetetraoctova (Czech); metaquest A; nervnaid B acid; nullapon B acid; nullapon BF acid; perma kloor 50 acid; questex 4H; seq 100; sequestrene AA; sequestric acid; sequestrol; tetrine acid; titriplex; tricon BW; trilon B; trilon BW; versene; versene acid; vinkel 100; warkeelate acid

Molecular Formula: C₁₀H₁₆N₂O₈

CAS No.: 60-00-4

SECTION 2: HAZARDOUS INGREDIENTS:

ACUTE EFFECTS: May be harmful by inhalation, ingestion, or skin absorption. Causes eye and skin irritation. Material is irritating to mucous membranes and upper respiratory tract. The chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 3: PHYSICAL DATA

Appearance: white crystals
Melting point.: 250°C

SECTION 4: FIRE AND EXPLOSION DATA

Flash point: n/a
Flammable limit: n/a
Flammability: n/a
Extinguishing media: water spray, carbon dioxide, dry chemical powder or appropriate foam
Fire fighting procedures: wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes
Unusual fire and explosions hazards: emits toxic fumes under fire conditions

SECTION 5: REACTIVITY DATA

Decomposition byproducts: toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides
Incompatibilities/Condition to Avoid: strong oxidizing agents, strong bases, copper, copper alloys, nickel
Hazardous Polymerization: n/a

SECTION 6: HEALTH HAZARD DATA

Toxicity: IPS rat LD50 = 397 mg/kg AHRTAN 13,295,62
ORL-mus LD50 = 30 mg/kg FCTOD7 29,845,91
IPR-mus LD50 = 250 mg/kg NTIS** AD691-490

Target organ data: behavioral (convulsions of effect on seizure threshold)

Only selected registry of toxic effects of chemical substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

Spillage: Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after pickup is complete.
Disposal: Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all state, federal, and local laws.

SECTION 8: FIRST AID PROCEDURES

Eye Contact: Immediately flush eyes with copious amounts of water for at least 15 minutes.
Skin Contact: Immediately wash skin with soap and copious amounts of water.
Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing difficult, give oxygen.
Ingestion: Washout mouth with water provided person is conscious. Call a physician.

AERCHEM INC.
320 North Walnut
Bloomington, IN 47408

Tel: 812.334.9996 Fax: 812.334.1960 Emergency: 800.424.9300

SECTION 9: HANDLING AND STORAGE INFORMATION:

Do not breathe dust. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Irritant. Keep tightly closed. Store in a cool dry place. Irritating to eyes, respiratory system and skin. Wear suitable protective clothing.

SECTION 10: SPECIAL PROTECTION INFORMATION:

Ventilation: Mechanical exhaust required.
Skin Protection: compatible chemical resistant gloves
Eye Protection: chemical safety goggles
Respiratory Protection: NIOSH/MSHA approved respirator
Other: safety shower and eye bath

SECTION 11: TRANSPORT INFORMATION

DOT Classification: n/a

SECTION 12: OTHER REGULATORY INFORMATION

Federal and State regulations: EPA TSCA chemical inventory, June 1990; EPA TSCA test submission (TSCATS) data base, January 1993

EPA FIFRA 1988 pesticide subject to registration or re-registration FEREAC 54,4388,89

NOHS 1974: HZD 90283;NIS122;TNF12157;NOS93;TNE121906

NOES 1983; HZD 80283; NIS119;TNF14680;NOS 116: TNE 509055;TFE 315637

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. AerChem Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.