

# SAFETY DATA SHEET

Preparation & Last Date Printed: 11/15/18 REV: B

Page 1 of 3

EDTA

## SECTION 1 IDENTIFICATION

### MYRON L<sup>®</sup> COMPANY 2450 IMPALA DRIVE, CARLSBAD, CA 92010

INFORMATION PHONE #: (760) 438-2021, contact either Jerry Adams or Gary Robinson

BUSINESS HOURS: Monday through Friday 7:00-3:30 p.m. (Pacific Time)

This and additional Myron L Safety Data Sheets (SDS) are available on the World Wide Web at: <http://www.myronl.com>

**PRODUCT:** EDTA Hardness Reagent.

**CATALOG NUMBERS:** EDTA-LC 2OZ./QT., EDTA-HC 2OZ./QT., EDTA-B-LC 2OZ./QT., EDTA-B-HC 2OZ./QT., 9PTKB, 9PTKB-BD, PS9TKB, PS9TKB-BD, TK9B, PKPS9B, 9PTKA, PS9TKA

## SECTION 2 HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

MAY BE HARMFUL IF NOT HANDLED CORRECTLY AND USED AS INTENDED.

### POTENTIAL HEALTH EFFECTS

**EFFECTS OF OVEREXPOSURE:** IRRITATION TO EYES, SKIN, AND GASTROINTESTINAL (DIGESTIVE TRACT).

**ROUTES OF ENTRY:** INHALATION, INGESTION, EYE CONTACT, AND SKIN CONTACT.

**CARCINOGENICITY:** MATERIAL IS NOT LISTED (IARC, NTP, OSHA) AS A CANCER CAUSING AGENT.

### GHS Pictograms



### EXCLAMATION MARK

- Irritant •Skin Sensitizer
- Acute Toxicity •Narcotic Effects
- Respiratory Tract Irritant
- Hazardous to Ozone Layer

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

**CHEMICAL NAME:** EDTA (Ethylenediaminetetraacetic Acid)

**TRADE NAME & SYNONYMS:** Hardness Reagent

**CHEMICAL FORMULA:** C<sub>10</sub>H<sub>16</sub>N<sub>2</sub>O<sub>8</sub> in H<sub>2</sub>O  
MgCl<sub>2</sub> · 6H<sub>2</sub>O  
NaOH

**CHEMICAL FAMILY:** Organic Chelant Solution

**CAS #:** EDTA #60-00-4  
Sodium Hydroxide #1310-73-2  
Magnesium Chloride Hexahydrate #7791-18-6  
Water #7732-18-5

## SECTION 4 FIRST-AID MEASURES

### FIRST AID PROCEDURES:

**EYE CONTACT:** FLUSH WITH WATER FOR 20 MINUTES UNTIL CHEMICAL IS REMOVED. SEEK MEDICAL ATTENTION AS NEEDED.

**SKIN CONTACT:** WASH THOROUGHLY WITH SOAP AND WATER.

**INGESTION:** GIVE LARGE AMOUNT OF WATER. SEEK MEDICAL ATTENTION AS NEEDED.

## SECTION 5 FIRE-FIGHTING MEASURES

FLASH POINT (TEST METHOD)	N/A	FLAMMABLE LIMITS	N/A	Lel N/A	Uel N/A
---------------------------	-----	------------------	-----	---------	---------

**EXTINGUISHING MEDIA** DRY CHEMICAL CARBON DIOXIDE, WATER SPRAY OR FOAM.

**SPECIAL HAZARDS & PROCEDURES** WEAR SELF-CONTAINED BREATHING APPARATUS AND SPECIAL PROTECTIVE CLOTHING.

**UNUSUAL FIRE & EXPLOSION HAZARDS** MAY EMIT TOXIC FUMES OF NITROGEN OXIDES, SODIUM OXIDE.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

ABSORB WITH VERMICULITE OR OTHER INERT MATERIAL. CONTAINERIZE FOR LATER DISPOSAL.

## SECTION 7 HANDLING AND STORAGE

**HANDLING:** NORMAL USE DOES NOT GENERATE A HAZARDOUS SITUATION WHEN HANDLED IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES.

**STORAGE:** STORE IN A COOL WELL VENTILATED DRY AREA. AVOID DIRECT SUNLIGHT.

EDTA

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**THRESHOLD LIMIT VALUE:** NONE KNOWN.  
**RESPIRATORY PROTECTION:** WEAR RESPIRATOR WHEN VENTILATION IS INADEQUATE. AVOID BREATHING CHEMICAL.  
**VENTILATION:** GENERAL ROOM VENTILATION IS ADEQUATE.  
**EYE PROTECTION:** RECOMMENDED SAFETY GLASSES.  
**PROTECTIVE GLOVES:** RECOMMENDED GENERAL PURPOSE GLOVES.  
**PROTECTIVE CLOTHING:** RECOMMENDED LAB COAT OR SAFETY APRON.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>BOILING POINT, 760 mm Hg (°C)</b>	100°C	<b>SPECIFIC GRAVITY</b>	1
<b>FREEZE POINT (°C)</b>	0°C	<b>SOLUBILITY IN H<sub>2</sub>O, % BY WT. @ 20°C</b>	100%
<b>VAPOR PRESSURE @ 20°C</b>	17	<b>APPEARANCE AND ODOR</b>	COLORLESS, ODORLESS LIQUID
<b>VAPOR DENSITY</b>	.6	<b>EVAPORATION RATE</b>	
<b>PERCENT VOLATILES BY VOLUME</b>	99	<b>pH:</b>	8.4pH-9.2pH

**SECTION 10 STABILITY AND REACTIVITY**

<b>STABILITY:</b> The product is stable.	<b>CONDITIONS TO AVOID</b> Extreme heat, temperatures
<b>REACTIVITY:</b> Reactive or incompatible with oxidizing materials and metals.	<b>MATERIALS TO AVOID</b> (N/A) WATER (N/A) ACIDS (N/A) BASES <b>OTHER SPECIFY</b> Strong Oxidizing Agents

**SECTION 11 TOXICOLOGICAL INFORMATION**

**TOXICITY DATA:** LD50 (oral-rat): 2000 mg/kg  
**TOXICOLOGICAL FINDING:** Eye, skin and lung conditions can be aggravated by exposure.

**SECTION 12 ECOLOGICAL INFORMATION**

**ECOTOXICITY:** Maybe harmful to aquatic organism due to shift of the pH.  
**OTHER ADVERSE EFFECTS:** Avoid release to the environment.

**SECTION 13 DISPOSAL CONSIDERATIONS**

**EPA WASTE NO. AND DISPOSAL TREATMENT:**  
MATERIAL DOES NOT HAVE AN EPA WASTE NUMBER AND IS NOT A LISTED WASTE.  
**NOTE:** ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD) TO ASSURE COMPLIANCE AND ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

**SECTION 14 TRANSPORT INFORMATION**

**DOT Shipping Name**.....Chemicals, N.O.S.  
**DOT Number**.....N/A  
**IATA/ICAO**.....Not dangerous goods.

EDTA

---

**SECTION 15 REGULATORY INFORMATION**

---

**TSCA INVENTORY:** THE CAS NUMBER OF THIS PRODUCT IS LISTED ON THE TSCA INVENTORY.

COMPONENT . . . . . N/A  
SARA EHS (302) . . . . . N/A  
SARA EHS TOQ (LBS) . . . . . N/A  
CERCLA RQ (LBS) . . . . . N/A  
OSHA FLOOR LIST . . . . . N/A  
SARA 313 . . . . . N/A  
DeMinimis for SARA 313 (%) . . . . . N/A

---

**SECTION 16 OTHER INFORMATION**

---

**DISCLAIMER:** This information is believed to be accurate and represents the best information currently available to us; however, we make no warranty of merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from the use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and purposes.

**NFPA Hazard Ratings**  
Health: 0  
Flammability: 0  
Reactivity: 0  
Special Hazards: N/A

**SDS APPROVED BY:**

