

MATERIAL SAFETY DATA SHEET

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EDTA

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MYRON L 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 a.m.-3:30 p.m. (Pacific Time)

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

CHEMICAL NAME: EDTA (Ethylenediaminetetraacetic acid)
Reagent Solution

CATALOG NUMBERS: Reagent: H2 EDTA-LC
Reagent: H3 EDTA-HC

TRADE NAME & SYNONYMS: Hardness Reagent

CHEMICAL FAMILY: Organic chelant solution

CHEMICAL FORMULA: C₁₀H₁₆N₂O₈ in H₂O
MgCl₂·6H₂O
NaOH

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

SECTION 2 PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT, 760 mm Hg (°C)	100°C	SPECIFIC GRAVITY	1
FREEZE POINT (°C)	0°C	SOLUBILITY IN H ₂ O, % BY WT. @ 20°C	100%
VAPOR PRESSURE @ 20°C	17	APPEARANCE AND ODOR	COLORLESS, ODORLESS LIQUID
VAPOR DENSITY	.6	EVAPORATION RATE	.36 (water)
PERCENT VOLATILES BY VOLUME	99		

SECTION 3 FIRE FIGHTING MEASURES

FLASH POINT (TEST METHOD)	N/A	FLAMMABLE LIMITS	N/A	LeI	N/A	UeI	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 4 STABILITY AND REACTIVITY

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

SECTION 5 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.
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SECTION 6 HAZARDS IDENTIFICATION

THRESHOLD LIMIT VALUE:	None known.
EFFECTS OF OVEREXPOSURE:	Irritation to eyes, skin, and gastrointestinal (digestive tract)
ROUTES OF ENTRY:	Inhalation, ingestion, and skin
CARCINOGENICITY:	Material is not listed (NTP, IARC, OSHA) as a cancer causing agent.

SECTION 7 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 amounts of water. Seek medical attention as needed.

SECTION 8 PERSONAL PROTECTION

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 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.

SECTION 10 TOXICOLOGICAL INFORMATION

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

SECTION 11 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 12 TRANSPORT INFORMATION

DOT Shipping Name.....Chemicals, N.O.S.
DOT Number.....N/A

SECTION 13 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 14 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, expressed 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

MSDS APPROVED BY: Jerry D. Adams