



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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(716) 226-6177

MSDS No. EE 91
Effective Date May 11, 1998

SECTION V HEALTH HAZARD DATA

EE 91

Threshold Limited Value

None established (ACGIH 1992-93).

Effects of Overexposure

INGESTION: There have been reports of kidney injury in man following use of this type of compound for treating lead poisoning. EDTA-disodium may cause hypocalcemic tetany and a negative calcium balance. **EYES:** No specific hazard is known. However, any material that contacts the eye may be irritating. **SKIN:** Low hazard. May cause slight irritation.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. If ill effects or discomfort develops, get medical attention. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink and call physician. Never give anything by mouth to an unconscious person. **SKIN:** Flush thoroughly with water, then wash with mild soap and water.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature and heat.
	Stable	X		May decarboxylate when heated to temperature of 150°C.

Incompatibility (Materials to Avoid) Has characteristics of a weak acid, displaces carbon dioxide from carbonates and reacting with metals to form hydrogen. Strong oxidizing materials.

Hazardous Decomposition Products When heated to decomposition, emits toxic fumes of various hydrocarbons, carbon dioxide and/or carbon monoxide and oxides of nitrogen (NO_x).

Hazardous Polymerization	Conditions to Avoid		Not applicable.
	May Occur	Will Not Occur	
		X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled Wearing suitable protective clothing, sweep material onto paper. Place in a suitable container for disposal by incineration. Wash spill area well with soap and water.

Waste Disposal Method

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Dispose of in an approved incinerator equipped with an afterburner and scrubber or contract with a licensed waste disposal service.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None should be needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask.

Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Not needed.	Other	No.

Protective Gloves Rubber, for repeated contact. **Eye Protection** Chemical safety glasses.

Other Protective Equipment Lab coat, proper gloves, eye wash station.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry place away from oxidizing materials. Wash thoroughly after handling. Keep container tightly closed when not in use.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals.

Do not get in eyes, on skin, on clothing. Avoid breathing dust. Remove and wash contaminated clothing before reuse.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 6	Date 5/11/98	Approved Michael Raszeja	Chemical Safety Coordinator MR
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4	Health	1
Chemical Synonyms	Disodium Edate; EDTA 2Na		Fire	1
Formula	C ₁₀ H ₁₄ N ₂ Na ₂ O ₈ •2H ₂ O		Reactivity	0
Unit Size	up to 2.5 Kg.		HMIS *	
C.A.S. No.	6381-92-6			

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
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Ethylenediaminetetraacetic Acid, Disodium	100%	None established.
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CAUTION! IRRITATING TO SKIN AND EYES.

SECTION III PHYSICAL DATA

Melting Point (°F)	Not determined.	Specific Gravity (H ₂ O = 1)	Data not listed.
Boiling Point (°F)	Not applicable.	Percent Volatile by Volume (%)	Not applicable.
Vapor Pressure (mm Hg)	Not applicable.	Evaporation Rate (=1)	Not applicable.
Vapor Density (Air=1)	Not applicable.		
Solubility in Water	~ 10%		
Appearance & Odor	White crystalline powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	500°F (260°C) C.O.C.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
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Extinguisher Media Water spray; carbon dioxide (CO₂); dry chemical (ABC); foam.

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Slight fire hazard; when heated emits smoke. Fire or excessive heat may produce hazardous decomposition of various hydrocarbons, oxides of nitrogen (NO_x) and smoke; may react with strong oxidizing materials.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20