



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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MSDS No.: EE0091
Effective Date: January 5, 2007

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Ethylenediaminetetraacetic Acid, Disodium Salt, Hydrate	 CHEMTREC 800-424-9300 Day 585-226-6177 NFPA HAZARD RATING MINIMAL SLIGHT MODERATE SERIOUS SEVERE 0 1 2 3 4 HMIS*	Health	1
Chemical Synonyms	Disodium EDTA, Hydrate; EDTA Na ₂ Dihydrate		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.			
C.A.S. No.	6381-92-6			

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Ethylenediaminetetraacetic acid, disodium salt, hydrate	100%	None established.
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)	Non-combustible.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Water spray; carbon dioxide; dry chemical; 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

Not considered a fire hazard. However, the potential for dust explosion may exist. Depending upon conditions, dusts may be sensitive to static discharge. Avoid possibility of dry powder and friction causing static electricity in presence of flammables.

D.O.T. NON-REGULATED.

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

SECTION V HEALTH HAZARD DATA EE0091

Threshold Limited Value	None established ACGIH 2001. Toxicology: Oral-rat: LD50: 2000 mg/kg for EDTA
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Effects of Overexposure	Inhalation of dusts or fumes may be irritating to the respiratory system. Contact with skin and eyes may cause irritation. If swallowed, this product may cause irritation of the mouth, throat and stomach and may cause nausea and vomiting. Target organs: None known.
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Emergency and First Aid Procedures	INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. EYES: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. SKIN: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
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SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Stable at ambient temperatures and atmospheric pressures.
	Stable	X		
Incompatibility (Materials to Avoid)	Strong oxidizers, iron, brass, copper and strong alkali. Avoid contact with aluminum, zinc and copper alloys.			

Hazardous Decomposition Products	Thermal decomposition produces carbon oxides, nitrogen oxides, sodium hydroxide, ammonia and water vapor.		
Hazardous Polymerization	Conditions to Avoid		
May Occur	Will Not Occur	Not applicable.	
	X		

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Sweep or wet vacuum and place into suitable containers for proper disposal. Wash spill area with soap and water.
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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 chemical landfill or contract with a licensed waste disposal agency.
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SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling. If dusty conditions prevail, work in a ventilated hood or wear a NIOSH/MSHA-approved dust mask.			
Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
Other Protective Equipment	Gloves, safety glasses, lab coat, dust respirator, emergency eye wash station.		

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from incompatible materials. Wash thoroughly after handling.
Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Remove and wash contaminated clothing before reuse.

Revision No.	7	Date	01/05/07	Approved	James A. Bertsch	Chemical Safety Coordinator	JAB
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