



COLUMBUS CHEMICAL INDUSTRIES INC.

P.O. BOX 8
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Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements

U.S. Department of Labor

Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072

IDENTITY (as Used on Label and List)

EDTA,0.1M Solution

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturers /Distributor Address Number Street City State and Zip Code

Columbus Chemical Industries

N4335 Temkin Road

Columbus, Wisconsin 53925

Emergency Telephone Number

CHEMTREC 1 (800) 424-9300

Telephone Number for Information

1-920-623-2140

Date Prepared

12-05-2005

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Ethylenediaminetetraacetic acid, disodium salt*	6381-92-6	Not established	Not established	Not available	18%

*Synonyms: EDTA; (Ethylenedinitrilo)tetraacetic acid, disodium salt; Disodium Edetate.

Section III - Physical/Chemical Characteristics

Boiling Point	Not available	Specific Gravity (H ₂ O = 1)	1.087
Vapor Pressure (mm Hg)	Not available	Melting Point	Not available
Vapor Density (AIR = 1)	Not available	Evaporation Rate (Butyl Acetate = 1)	Not available

Solubility in Water

Complete.

Appearance and Odor

Clear, colorless liquid.

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
None		Not applicable	Not applicable

Extinguishing Media

Water spray, dry chemical, carbon dioxide, appropriate chemical foam.

Special Fire Fighting Procedures

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Use water spray to keep fire-exposed containers cool.

Unusual Fire and Explosion Hazards

Combustible. May release toxic fumes of carbon monoxide, carbon dioxide and nitrogen oxides.

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	Strong oxidizing agents, metals.
	Stable	X		

Incompatibility Materials to Avoid

Material reacts with strong oxidizing reagents and sodium, potassium and lithium metals.

Hazardous Decomposition or Byproducts

Carbon dioxide; carbon monoxide, nitrogen oxides.

Hazardous Polymerization**Conditions to Avoid**

	May Occur		
	Will Not Occur		Not listed

Section VI Health Hazard Data

Routes of Entry	Inhalation ?	Skin ?	Ingestion ?
	Yes	Yes	Yes

Health Hazards (Acute and Chronic)

Harmful if swallowed. May be harmful if absorbed through skin or inhaled. May cause irritation upon contact with eyes or skin.

Carcinogenicity	NTP	IARC Monographs	OSHA REGULATED?
	Not listed	Not listed	Not listed

Signs and Symptoms of Exposure.

Irritation of eyes, skin and mucous membranes including redness, swelling and pain. Coughing, burning sensation, wheezing, laryngitis, shortness of breath, abdominal pain, diarrhea, convulsions, headache, nausea, seizure and vomiting.

Medical Conditions Generally Aggravated by Exposure

Asthma, emphysema, other respiratory diseases.

Emergency and First Aid Procedures EYES/SKIN: Flush immediately with plenty of water for at least 15 minutes. Remove contaminated clothing. Remove contact lenses if possible. Call physician. INGESTION: Wash out mouth with water if person is conscious. DO NOT induce vomiting. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Section VII Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled Eliminate all ignition sources. Wear self-contained breathing apparatus and appropriate personal protective equipment. Absorb spill with vermiculite, sand or other inert material. Prevent runoff from entering drains, sewers and streams. Wash spill area thoroughly with water after pickup is complete.

Waste Disposal Method Absorb on sand or vermiculite and place in closed containers for disposal. Dispose of spillage, and other materials used for clean up in accordance with all Federal, state, and local regulations.

Precautions to be Taken in Handling and Storing Do not get in eyes or on skin or clothing. Do not taste or swallow. Avoid breathing vapors. Wash thoroughly after handling. Store in cool, well-ventilated area, out of direct sunlight. Keep container closed.

Other Precautions Containers, even when empty, will retain residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.

Section VII Control Measures

Respiratory Protection (Specify Type) NIOSH/MSHA-approved respirator with dust/mist and acid vapor cartridges.

Ventilation	Local Exhaust	<u>Recommended.</u>	Special	<u>Safety shower nearby.</u>
	Mechanical (General)	<u>Required.</u>	Other	<u>Eye-wash station nearby.</u>

Protective Gloves Appropriate chemical-resistant gloves. **Eye Protection** Chemical safety goggles.

Other Protective Clothing or Equipment Boots; full rubber acid suit.; full-face respirator, if needed.

Work /Hygienic Practices Wear appropriate personal protective equipment. Wash thoroughly after handling. Do not breathe vapor. Avoid contact with eyes, skin and clothing. Discard contaminated shoes. Wash contaminated clothing thoroughly after use. Avoid prolonged or repeated exposure.

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