



COLUMBUS CHEMICAL INDUSTRIES INC.

P.O. BOX 8
COLUMBUS, WISCONSIN 53925-0008
(920) 623-2140
FAX (920) 623-2577

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

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

03-06-2006

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Table with 6 columns: Hazardous Components (Specific Chemical Identity, Common Name(s)), CAS #, OSHA PEL, ACGIH TLV, Other Limits Recommended, % (optional). Row 1: Ethylenediamine tetraacetic acid *, 60-00-4, Not Available, Not Available, Not Available, 100%

*Synonyms: EDTA, Edetic Acid, Versene Acid.

Section III - Physical/Chemical Characteristics

Table with 4 columns: Property, Value, Property, Value. Rows: Boiling Point (Not available), Specific Gravity (H2O = 1) (Not applicable), Vapor Pressure (mm Hg) (Not available), Melting Point (Decomposes, 240 °C (464°F)), Vapor Density (AIR = 1) (Not available), Evaporation Rate (Butyl Acetate = 1) (Not available)

Solubility in Water

slightly soluble in cold water.

Appearance and Odor

Colorless to white crystals.

Section IV Fire and Explosion Hazard Data

Table with 4 columns: Flash Point (Method Used), Flammable Limits, LEL, UEL. Row 1: Non-flammable, 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	excess heat
	Stable	X		

Incompatibility Materials to Avoid

Unknown

Hazardous Decomposition or Byproducts

carbon monoxide, carbon dioxide and 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)

SKIN: May cause irritation of skin. EYE: May causes eye irritation. INHALATION: May be harmful if inhaled.

Material may cause irritation to the mucous membranes and upper respiratory tract. INGESTION: May be harmful if swallowed.

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 appropriate respirator if necessary and appropriate personal protective equipment. Sweep up and place in a clean container for disposal. Prevent solution runoff from entering drains, sewers and streams. Wash spill area thoroughly with water.

Waste Disposal Method 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 or acid vapor cartridges.

Ventilation

Local Exhaust Recommended.

Special Safety shower nearby.

Mechanical (General) Required.

Other Eye-wash station nearby.

Protective Gloves Chemical resistant.

Eye Protection Chemical safety goggles.

Other Protective Clothing or Equipment Boots; apron, 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.

Columbus Chemical Industries, Inc. ("Columbus") believes that the information herein is factual but it is not intended to be all inclusive. The information relates only to the specific Material designated and does not relate to its use in combination with other materials or its use as to any particular process. Because safety standards and regulations are subject to change and because Columbus has no continuing control over the Material, those handling, storing or using the Material should satisfy themselves that they have current information regarding the particular way the Material is handled, stored and used and that the same is done in accordance with federal, state and local law. COLUMBUS MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING (WITHOUT LIMITATION) WARRANTIES WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN OR WITH RESPECT TO FITNESS FOR ANY PARTICULAR