

**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)

*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.*

**EDTA**

**Product #** 07 7051, 07 7052, 07 6011, 07 8050

**Section I**

Manufacturer's Name KABE Labortechnik GmbH	Emergency Telephone Number 1-800-535-6734
Address (Number, Street, City, State, and Zip Code) c/o RAM Scientific, Inc.	Telephone Number for Information 1-800-535-6734
P.O. Box 586, 124 Crescent Road	Date Prepared 10/25/93
Needham, MA 02194	Signature of Preparer (optional)

*The information supplied is based on data available to us and is believed to be correct. However, no guarantee or warranty of any kind expressed or implied, is made with respect to the information presented and RAM Scientific, Inc. assumes no responsibility from the results of the use of this product. This information is furnished upon the condition that the person responsible for its use shall make his or her own determination of the suitability of the material for his or her particular purpose.*

**Section II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Names(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
EDTA - Ethylenediamine tetra acetic acid dipotassium salt dihydrate C <sub>10</sub> H <sub>14</sub> K <sub>2</sub> N <sub>2</sub> O <sub>8</sub> - 2H <sub>2</sub> O CAS #2001-94-7	N.A.	N.A.	N.A.	

**Section III - Physical/Chemical Characteristics**

Boiling Point	N.A.	Specific Gravity (H <sub>2</sub> O = 1)	N.A.
Vapor Pressure (mm Hg.)	N.A.	Melting Point	225 - 228° dec
Vapor Density (AIR - 1)	N.A.	Evaporation Rate (Butyl Acetate = 1)	N.A.

Solubility in Water

Lightly soluble in water. 1650 g/L at 22o C. pH 4.0-4.5 9 (1% in water)

Appearance and Odor

Clear liquid. No odor. White powdery crystals if exposed to air.

**Section IV - Fire and Explosion Hazard Data**

Flash Point Flammable	Flammable Limits N.A	LEL	UEL
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Extinguishing Media

CO<sub>2</sub>, foam, water, or dry chemicals

Special Fire Fighting Procedures

None

Unusual Fire and Explosion Hazards

None

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**Section V - Reactivity Data**

Stability	Unstable		Conditions to Avoid Product is flammable. Do not expose to heat or flame.
	Stable	X	

Incompatibility (*Materials to Avoid*)

Hazardous Decomposition or Byproducts

None

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will not Occur	X	

**Section VI - Health Hazard Data**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	No	Slight	No

Health Hazards (*Acute and Chronic*)

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
No			

Signs and Symptoms of Exposure

Medical Conditions

General Aggravated by Exposure

Emergency and First Aid Procedures

Skin Contact - Wash immediately with water.

Eye Contact - Rinse immediately with water. Contact a physician immediately.

**Section VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled

Small quantities can be rinsed with water. Collect, place in enclosed container and dispose accordingly.

Waste Disposal Method

All chemical disposal must be in accordance with current local, state, and federal regulations.

Precautions to Be Taken in Handling and Storing  
Store at room temperature, 25° C. No special handling.

Other Procedures

**Section VIII - Control Measure**

Respiratory Protection (*Specify Type*)

Ventilation Yes	Local Exhaust	Special		
	Mechanical ( <i>General</i> )	Other		

Protective Gloves  
Yes

Eye Protection  
Safety glasses

Other Protective Clothing or Equipment

Work/Hygienic Practices