

Material Safety Data Sheet

hazard information

Hazard information is provided for compliance with both the UK Chemicals (Hazard Information and Packaging) (CHIP) Regulations and the US Hazard Communication Standard (HCS).

Identification of the Substance/Preparation and Company:

Product name	Product code	EEC number
EDTA 0.5M, pH8 Ultrapure	GR123-100	None

Supplier

Hoefler, Inc., 953 Indiana Street, San Francisco, CA 94107
Phone: 800-227-4750

Emergency Contact

Chemtrec: 800-424-9300
Outside USA and Canada: 703-527-3887

Composition/Hazardous Components:

Hazard	CAS No.	%WT	TLV	CHIP R & S Phrases
Ethylenediaminetetraacetic Acid (EDTA) Disodium Salt, Dihydrate	6381-92-6	~14%	---	<i>R:36/37/38</i> Irritating to eyes, respiratory system and skin. <i>S:23</i> Do not breath vapour. <i>S:36/37</i> Wear suitable protective clothing and gloves.

Hazards Identification

CHIP: Irritant
HCS: Irritant



First-aid Measures

EYES: Flush with water for 15 minutes. Seek medical advice if irritation persists.

SKIN: Flush with water, then wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if irritation persists.

INHALATION: Remove the victim from exposure and move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Keep victim quiet and warm. Seek immediate medical attention.

INGESTION: Drink water and seek immediate medical attention. Avoid alcoholic beverages. Never give anything by mouth to an unconscious person.

Fire-fighting Information

FLASH POINT: No data available

Use media suitable to extinguish the supporting or surrounding fire. Wear NIOSH (or equivalent) approved self contained breathing apparatus. *For small fires only:* use carbon dioxide, dry powder or foam. No unusual fire or explosion hazards known.

Accidental Release Measures

Wear appropriate personal protective equipment and clothing including lab coat, safety glasses and gloves. Collect in a manner that does not create dust and place in a suitable waste container. Avoid contact of material with skin or eyes. Use adequate ventilation.

Handling and Storage

Wear appropriate personal protective equipment and clothing including lab coat, safety glasses and gloves. Avoid contact of material with skin or eyes. Use adequate ventilation. Store ambient away from strong oxidizing material, strong acids, aluminum (which reacts with water solutions of the product to release hydrogen) and copper or its alloys.

Personal Protection

Wear appropriate personal protective equipment and clothing including lab coat, safety glasses and gloves. A qualified industrial hygienist should evaluate the need for respiratory protection. Use respiratory protection approved by NIOSH (or equivalent) and appropriate to the hazard. Avoid contact of material with skin or eyes. Mechanical ventilation or local exhaust as needed to control exposure to dust, vapors or mists. Access to a safety shower and eye-wash.

Physical and Chemical Properties

Appearance: Clear solution

Boiling Point: No data available

Vapor Pressure: No data available

Vapor Density: No data available

Solubility (Water): Soluble

Specific Gravity: No data available

Percent Volatile: No data available

Evaporation Rate: No data available

Chemical Formula: $C_{10}H_{14}N_2O_8Na_2 \cdot 2H_2O$

Stability and Reactivity

Product is stable. Incompatible with strong oxidizing materials, strong acids, aluminum and copper and its alloys. Hazardous polymerization will not occur.

Toxicological Information

Effects of overexposure:

EYES: Contact may cause irritation and slight corneal injury.

SKIN: Contact may cause irritation, dermatitis and hypersensitive individuals may experience an allergic reaction.

INHALATION: May cause irritation.

INGESTION: Chronic ingestion or excessive dosage may cause irritation of the mouth, throat, esophagus and gastrointestinal tract.

Additional Information:

Mutation data listed in RTECS under AH4410000. EDTA 0.5M, pH8 may be irritating to the eyes, respiratory system and skin. Ingestion may cause irritation of the mouth, throat, esophagus and gastrointestinal tract.

Definitions: RTECS = Registry of Toxic Effects of Chemical Substances.

Ecological Information

No information available.

Disposal Considerations

Dispose of material in accordance with applicable local, state, and federal regulations.

Transportation Information

US DOT/IATA: No applicable information.

Regulatory Information

RCRA: No applicable information.

SARA 302: No applicable information.

SARA 313: No applicable information.

EPA TSCA Section 8(b): No applicable information.

Exposure Limits: Not established.

California Proposition 65: No applicable information.

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Hofer, Inc.
953 Indiana Street
San Francisco, CA
94107 USA

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