

SAFETY DATA SHEET

NAME OF PRODUCT 200 mM EDTA, pH 10.0 ± 0.1

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product/Catalog Number(s):

26-747

Product name: 200 mM EDTA, pH 10.0 ± 0.1
Synonyms: 200 mM Ethylenediaminetetraacetic acid tetrasodium salt hydrate, pH 10.0 ± 0.1
Manufacturer: Molecular Toxicology Inc.
Address: 157 Industrial Park Drive, Boone, North Carolina, 28607
Phone: (1) 828 264 9099 (8:30 – 17:00 EST)
Fax: 828 264 0103
Emergency contact (Chemtrec): Contact 1-800-424-9300 (USA) or 703 527 3887 (International)
Email: chemtrec@chemtrec.com; <http://www.chemtrec.com/>
Recommended use: Laboratory, For Research Only
Restrictions on use: Not for clinical use

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture per GHS and EU Directive 1272/2008



Danger

Health hazards Acute toxicity, oral (Category 4)
Serious eye damage/eye irritation (Category 1)
See eco-toxicity section 12.

Environmental hazards

Hazard Statements H302 Harmful if swallowed.
H318 Causes serious eye damage

Precautionary Statements P264 + P265 Wash hands thoroughly after handling. Do not touch eyes.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection
P301 + P317: If swallowed, get emergency medical help

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P305 + P354 + P338: If in eyes, immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P317 Get emergency help.

P501 Dispose of contents as hazardous waste.

**Hazards not otherwise
classified or not covered
by GHS**

None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Substances:

Component	Purpose	CAS-No	EC-No.	Weight %
EDTA, tetrasodium salt hydrate	Chelation of metal ions	194491-31-1	200-573-9	7.6%

SECTION 4. FIRST AID MEASURES

Description of first aid measures

General	Causes eye burns. Causes severe eye damage
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention.
Ingestion	Do NOT induce vomiting. Get medical attention.
Inhalation	Move to fresh air. If required, provide artificial respiration. Consult a physician.
Protection of first-aiders	Not required

In the event that symptoms develop or persists, obtain medical attention.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in Section 2 and/or Section 11.

Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5. FIREFIGHTING MEASURES

Extinguishing media

Use water spray, alcohol resistant foam, carbon dioxide, or dry chemical.

Special hazards arising from the substance or mixture

Hazardous thermal decomposition products: Nitrogen oxides (NO_x). Carbon oxides (CO and CO₂). Sodium oxides.

Advice for firefighters

Fire-fighters should wear self-contained breathing apparatus (SCBA) and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental precautions

Do not release material into the environment. See Section 12 for additional Ecological information.

Methods and material for containment and cleaning up

Soak up with an inert, absorbent material and dispose of as hazardous waste. Dispose contaminated material as waste according to section 13. Keep in suitable, closed containers for disposal.

Reference to other sections

Refer to Sections 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor and mist. Do not ingest. If swallowed, seek immediate medical assistance. Wear personal protective equipment/face protection.

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool, well-ventilated place. Container(s) which are opened must be carefully closed and held upright to prevent leakage. Do not store in aluminum containers. Incompatible materials: strong oxidizing agents, strong acids, metals.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Exposure controls

Engineering Measures

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protective Equipment

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and Body Protection

Wear appropriate protective gloves and clothing to prevent skin exposure.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid, clear
Auto-ignition temperature	no data available
Boiling point	no data available
Decomposition temperature	no data available
Evaporation Rate	no data available
Flammable limits in air	no data available
Flash point	no data available
Formula	N/A
Melting point	No data available
Molecular weight	N/A
Odor threshold	no data available
Osmolality	no data available
Partition coefficient	no data available
pH	10 ± 0.1
Solubility in water	N/A
Specific gravity	no data available
Vapor density	no data available
Vapor pressure	no data available
Viscosity	no data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under normal conditions. Decomposition will not occur if used and stored appropriately.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Incompatible products

Incompatible materials

Strong oxidizing agents, Strong acids, Metals

Hazardous decomposition products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂), Sodium oxides

In the event of fire: See Section 5.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects**Acute toxicity**

No data available

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Other information on acute toxicity

None known

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

Severe eye irritant.

Respiratory or skin sensitization

Irritating to respiratory system

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probably, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probably, possible or confirmed human carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No data available

Teratogenicity

No data available

Specific target organ toxicity - single exposure (Globally Harmonized System)

Respiratory system

Specific target organ toxicity - repeated exposure (Globally Harmonized System)

No data available

Aspiration hazard

No data available

Potential health effects

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects

No data available

Additional toxicological information:

RTECS: GE7810000

SECTION 12. ECOLOGICAL INFORMATION

Aquatic ecotoxicity:

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No data available

Persistence and degradability: No data available.

Behavior in environment systems: No further relevant information available.

Bioaccumulative potential: No further relevant information available.

Mobility in soil: Will likely be mobile in the environment.

Additional ecological information:

General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course, or sewage system.

Results of PBT and vPvB Assessment

PBT: Not applicable

vPvB: Not applicable

Other adverse effects: No further relevant information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Contaminated packaging

Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

DOT (US):

Not regulated

IATA

Not regulated

IMDG:

Not regulated

SECTION 15. REGULATORY INFORMATION

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

See section 2 for more information.

Massachusetts Right To Know Components

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No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right To Know Components

No components are subject to the New Jersey Right to Know Act.

California Prop. 65 Components

This product does not contain a chemical known to the State of California to cause cancer, birth defects, and other reproductive harm.

SECTION 16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Molecular Toxicology, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. See www.moltox.com and/or the invoice or packing slip for additional terms and conditions of sale.