

# SAFETY DATA SHEET

Cat# AUR11329, EDTA, 0.5 M, pH 8.0,  
Molecular Biology Grade, DEPC-Treated



Date: 9/01/2022

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

### 1.1 Product identifiers

Product Name : EDTA, 0.5 M, pH 8.0, Molecular Biology Grade, DEPC-Treated  
Product Number : AUR11329  
Manufacturer : Aurora Medbiochem  
Address : 938 South Andreasen Drive, Suite E  
Escondido, CA 92029 USA

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

### 1.3 Emergency telephone

Emergency Phone # : +1-760-738-1508  
Fax Phone # : +1-760-738-1530

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Product/ Chemical Name	Description	Safety Information	Concentration
EDTA, 0.5 M, pH 8.0, Molecular Biology Grade, DEPC-Treated	Liquid	See below	>= 20 - < 30 %

## SECTION 3: HAZARDS IDENTIFICATION

Components	CAS Number	EC-No.	Molecular Weight	Chemical Formula
EDTA, 0.5 M, pH 8.0, Molecular Biology Grade, DEPC-Treated	150-38-9	205-758-8	412.1	C <sub>10</sub> H <sub>13</sub> N <sub>2</sub> O <sub>8</sub> Na <sub>3</sub> ·3H <sub>2</sub> O

### Emergency Overview:

**OSHA Hazards:** Serious eye damage (Category 1), H318

**Target Organs:** - repeated exposure, Inhalation (Category 2), Respiratory Tract, H373

**GHS Classification:** Eye irritation (Category 1A)

**GHS Label elements, including precautionary statements**

**Pictogram:**



**Signal word:** Danger

**Hazard statement(s):** H318 Causes serious eye damage.

H373 May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure if inhaled.

**Precautionary statement(s):** P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.

P280 Wear eye protection/ face protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P314 Get medical advice/ attention if you feel unwell.

P501 Dispose of contents/ container to an approved waste disposal plant.

**HMIS Classification**

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**Health hazard:** 2  
**Flammability:** 0  
**Physical hazards:** 0

## NFPA Rating

**Health Hazard:** 2  
**Fire:** 0  
**Reactivity Hazard:** 0

## Potential Health Effects

**Inhalation:** May be fatal if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes:** May cause eye irritation.

**Ingestion:** May be harmful if swallowed

## Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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## SECTION 4: FIRST AID MEASURES

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### 4.1 Description of first-aid measures

#### General advice

Show this material safety data sheet to the doctor in attendance.

**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**In case of skin contact:** Wash off with soap and plenty of water.

**In case of eye contact:** Flush eyes with water as a precaution.

**If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water.

### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 11)

**4.3 Indication of any immediate medical attention and special treatment needed** No data available.

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## SECTION 5: FIREFIGHTING MEASURE

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### 5.1 Extinguishing media

#### Suitable extinguishing media

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

#### Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

### 5.2 Special hazards arising from the substance or mixture

Carbon oxides

Nitrogen oxides (NO<sub>x</sub>)

Sodium oxides

Mixture with combustible ingredients.

Fire may cause evolution of:

nitrogen oxides

Development of hazardous combustion gases or vapours possible in the event of fire.

### 5.3 Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

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## 5.4 Further information

Remove container from danger zone and cool with water. Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**Personal precautions:** Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition.

Evacuate the danger area, observe emergency procedures, consult an expert.

**Environmental precautions:** Do not let product enter drains.

**Methods for cleaning up:** Sweep up and shovel. Keep in suitable, closed containers for disposal

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## SECTION 7: HANDLING AND STORAGE

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### 7.1 Precautions for safe handling

#### Advice on safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

#### Advice on protection against fire and explosion

Keep away from open flames, hot surfaces, and sources of ignition. precautionary measures against static discharge.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage conditions

Keep container tightly closed in a dry and well-ventilated place.

**Recommended storage temperature :** RT

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## SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

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Contains no substances with occupational exposure limit values.

#### Personal protective equipment

##### Respiratory protection:

Required when vapours/aerosols are generated. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Recommended Filter type: Filter type ABEK

##### Hand protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

##### Eye protection:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

##### Skin and body protection:

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hygiene measures:** General industrial hygiene practice.

**Control of environmental exposure**

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Do not let product enter drains.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	EDTA, 0.5 M, pH 8.0, Molecular Biology Grade, DEPC-Treated
<b>Appearance:</b>	Liquid
<b>pH:</b>	No data available
<b>Water Solubility:</b>	at 20 °C soluble
<b>Other Solubility:</b>	No data available
<b>Boiling Point (°C):</b>	No data available
<b>Melting Point (°C):</b>	157 °C (315 ° F)
<b>Flash Point (°C):</b>	No data available
<b>Ignition Temperature (°C):</b>	No data available
<b>Density:</b>	No data available

## SECTION 10: STABILITY AND REACTIVITY

Property	EDTA, 0.5 M, pH 8.0, Molecular Biology Grade, DEPC-Treated
<b>Chemical stability</b>	Stable under recommended storage conditions
<b>Conditions to avoid:</b>	No data available
<b>Materials to avoid:</b>	No data available
<b>Hazardous decomposition products:</b>	Carbon oxides, Sodium oxides, nitrogen oxides

## SECTION 11: TOXICOLOGICAL INFORMATION

### **EDTA, 0.5 M, pH 8.0, Molecular Biology Grade, DEPC-Treated**

**Acute toxicity:** Acute toxicity estimate Oral - > 2.000 mg/kg

(Calculation method)

Acute toxicity estimate Inhalation - 4 h - > 5 mg/l - dust/mist(Calculation method)

Symptoms: Possible symptoms:, mucosal irritations

Dermal: No data available

**Carcinogenicity:** No data available

**Skin corrosion/irritation:** No data available

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

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

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated 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.

**Serious eye damage/eye irritation:** No data available

**Respiratory or skin sensitization:** No data available

**Cell mutagenicity:** No data available

**Reproductive toxicity:** No data available

**Teratogenicity:** no data available

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**Specific target organ toxicity – single exposure (GHS):** no data available

**Specific target organ toxicity – repeated exposure (GHS):** no data available

**Aspiration hazard:** no data available

**Potential Health Effects**

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes:** May cause eye irritation.

**Ingestion:** May be harmful if swallowed.

**Signs and Symptoms of Exposure:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Synergistic effects:** no data available

**Additional information:** RTECS: not available

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## SECTION 12: ECOLOGICAL INFORMATION

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**EDTA, 0.5 M, pH 8.0, Molecular Biology Grade, DEPC-Treated:**

**Toxicity:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**Other adverse effects:** No data available

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## SECTION 13: DISPOSAL CONSIDERATION

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**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging:** Dispose of as unused product.

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## SECTION 14: TRANSPORT INFORMATION

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**DOT (US):** Not dangerous goods

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

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## SECTION 15: REGULATORY INFORMATION

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This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

**OSHA Hazards:** No known OSHA hazards

**SARA 302 Components: SARA 302:** No chemical in this material is subject to the reporting requirements of SARA Title III, Section 302.

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

**SARA 311/312 Hazards:** No SARA Hazards

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**Massachusetts Right To Know Components:** 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 any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## EU regulations

Component	Risk Phrases	Safety Phrases
EDTA, 0.5 M, pH 8.0, Molecular Biology Grade, DEPC-Treated	--	-

## SECTION 16: OTHER INFORMATION

### DISCLAIMER:

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 and is applicable to the product regarding appropriate safety precautions. It does not represent any guarantee of the properties of the product. Aurora Medbiochem Co. shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.