



# SAFETY DATA SHEET

## 1. Identification:

**Product Identifier:** Ethylenedinitrilotetraacetic Acid Sodium Salt, various dilutions

**Product code:** BE8610 = 1ml=0.1mg CaCO<sub>3</sub>      BE4610=1ml=1mg CaCO<sub>3</sub>      BE4110=1ml=1mg CaCO<sub>3</sub>  
BE8128 = 0.020 M      BE8109 = 0.0212 M      BE4115 = 0.050 M  
BE4122 = 0.100 M      BE8126 = 0.116 M      BE8122 = 0.0025 M  
BE4120 = 0.0575 M  
BE8898

**Synonym(s):** E.D.T.A. aqueous solutions

**Recommended use:** Manufacture of other chemical products, professional, scientific, and technical activities.

**Recommended restrictions:** None known.

### Manufacturer/Supplier/Distributor Information

**Company name:** Biopharm Inc.

**Address:** 187 South Tilley Road  
Hatfield, AR 71945

**Telephone:** (870) 389-6114

**Website:** www.bphchem.com

**E-mail:** support@bphchem.com

**Emergency phone number:** Chemtrec 800-424-9300

## 2. Hazard(s) identification:

**Classification:** This chemical is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute inhalation toxicity – dusts and mists      Category 4  
Serious eye damage/eye irritation      Category 2

**Label elements:** None required.

**Signal word:** Warning

**Hazard statement:** Causes serious eye irritation. Harmful if inhaled.

### Precautionary statement:

**Prevention** Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in well-ventilated area. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection.

**Response** IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing if eye irritation persists. Get medical attention/advice.

**Storage** Store bottles tightly capped and upright. Store in well-ventilated place. Store locked up.

**Disposal** To be performed in compliance with all current local, state and federal regulations. Spills onto sand, soil, or other absorbent may be handled by placing the affected soil into approved containers then label and store for proper treatment or disposal.

**Hazard(s) not otherwise classified (HNOC):** None identified.

**Supplemental information:** None.

### 3. Composition/information on ingredients

#### Mixtures

<u>Chemical Name</u>	<u>CAS number</u>	<u>%</u>
Ethylenediaminetetraacetic acid disodium salt	6381-92-6	0.1-7.0
Water	7732-18-5	balance

### 4. First-aid measures

**Inhalation:** Remove person to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.

**Ingestion:** Never give anything by mouth to an unconscious person. Do not induce vomiting. Obtain medical attention.

**Skin contact:** Flood area with water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing and clean shoes thoroughly before reuse. Get medical attention immediately if symptoms occur.

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes while holding lids gently, but firmly, apart. Lift upper and lower lids occasionally to ensure thorough flushing under them. Obtain medical attention.

**Most important symptoms/effects, acute and delayed:** No information available.

**General information:** No information found. Individuals with a hypersensitive response to EDTA may be more susceptible to exposure effects.

### 5. Fire-fighting measures

**Suitable extinguishing media:** Water spray, dry chemical, alcohol foam, or carbon dioxide.

**Unsuitable extinguishing media:** No information available.

**Specific hazards arising from the chemical:** Keep product and container away from heat and sources of ignition.

**Special protective equipment and precautions for firefighters:** Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

**Fire-fighting equipment/instructions:** Use water spray to cool unopened containers.

NFPA Codes:

Health: 1

Flammability: 0

Reactivity: 0

## 6. Accidental release measures

<b>Personal precautions, protective equipment, and emergency procedures:</b>	Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Keep out of low areas. Ensure adequate ventilation. Avoid inhalation of dust from the spilled material.
<b>Methods and materials for containment and cleaning up:</b>	Ventilate area. Wear protective clothing. Use an absorbent material such as sand, sawdust, or vermiculite to absorb small spills or any leakage that cannot be recovered for recycling. Wash area thoroughly with water after recovering released material. Avoid dust formation. Minimize dust generation and accumulation. For waste disposal, see section 13 of the SDS.
<b>Environmental precautions:</b>	Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses, or onto the ground. Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water.

## 7. Handling and storage

<b>Precautions for safe handling:</b>	Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes, and clothing. Avoid ingestion and inhalation. Avoid dust formation.
<b>Conditions for safe storage, including any incompatibilities:</b>	Store bottles tightly capped and upright. Keep in a cool place away from direct sunlight.

## 8. Exposure controls/personal protection

<b>Exposure Guidelines:</b>	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
<b>Engineering measures:</b>	Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas.
<b>Personal protective equipment:</b>	
<b>Eye/face protection:</b>	Wear protective eyeglasses or chemical safety goggles.
<b>Skin and body protection:</b>	Wear appropriate protective gloves and clothing to prevent skin exposure.
<b>Respiratory protection:</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Hygiene measures:</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

<b>Appearance:</b>	Clear, colorless liquid
<b>Odor:</b>	Odorless
<b>Odor threshold:</b>	No data available
<b>Vapor Pressure (mm Hg):</b>	No data available
<b>Vapor density (Air = 1):</b>	No data available
<b>pH:</b>	No data available
<b>Relative density:</b>	No data available

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<b>Melting point/freezing point:</b>	No data available
<b>Solubility in Water:</b>	Infinite
<b>Boiling Point (°F):</b>	Varies with concentration of solution.
<b>Flash point:</b>	No data available
<b>Evaporative Rate (H<sub>2</sub>O = 1):</b>	Varies with concentration of solution.
<b>Flammability (solid, gas):</b>	No data available
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower</b>	No data available
<b>Flammability limit - upper</b>	No data available
<b>Explosive limit - lower</b>	No data available
<b>Explosive limit - upper</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	428°F (220°C)
<b>Viscosity:</b>	No data available
<b>Other information:</b>	
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	Varies with concentration of solution.
<b>Percent Volatile by Volume:</b>	No data available

## 10. Stability and reactivity

<b>Reactivity:</b>	None known based on information available.
<b>Chemical stability:</b>	Stable under ordinary conditions of use and storage.
<b>Possibility of hazardous reactions:</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid:</b>	Extreme heat, contact with incompatible materials, and dust formation.
<b>Incompatible materials:</b>	Strong oxidizing agents.
<b>Hazardous decomposition products:</b>	Tends to decarboxylate when heated to temperatures over 150° C.

## 11. Toxicological information

### Information on likely routes of exposure:

<b>Ingestion:</b>	Expected to be a low ingestion hazard.
<b>Inhalation:</b>	Inhalation of dusts may cause irritation to the respiratory tract.
<b>Skin Contact:</b>	No adverse effects due to skin contact are expected.
<b>Eye Contact:</b>	Causes serious irritation to the eyes. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

### Information on toxicological effects

Acute toxicity			
<u>Component</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
Disodium EDTA	2 g/kg (rat)	No data available	No data available

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.
<b>Serious eye damage/irritation</b>	Causes serious eye irritation.
<b>Respiratory Sensitization</b>	No data available.
<b>Skin sensitization</b>	No data available.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, NTP, or OSHA.
<b>Mutagenic effects</b>	No data available.
<b>Reproductive effects</b>	No data available.
<b>STOT – single exposure</b>	No data available.
<b>STOT – repeated exposure</b>	No data available.
<b>Aspiration hazard</b>	No data available.
<b>Chronic effects</b>	Prolonged inhalation may be harmful.

## 12. Ecological information

<b>Ecotoxicity:</b>	Do not empty into drains. Harmful to aquatic life with long lasting effects.
<b>Persistence and degradability:</b>	No data available
<b>Bioaccumulation/Accumulation:</b>	No data available
<b>Mobility in soil:</b>	No data available
<b>Other adverse effects:</b>	No data available

## 13. Disposal considerations

<b>Waste disposal methods:</b>	To be performed in compliance with all current local, state and federal regulations. Spills onto sand, soil, or other absorbent may be handled by placing the affected soil into approved containers then label and store for proper treatment or disposal.
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## 14. Transport information

<b>DOT:</b>	Not regulated as dangerous goods.
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## 15. Regulatory information

**U.S. Federal regulations**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)** Not applicable

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard Categories** Immediate Hazard – Yes

Delayed Hazard – No

Fire Hazard – No

Pressure Hazard – No

Reactivity Hazard – No

**Other Federal regulations**

**Clean Air Act** Not applicable

**Clean Water Act** Not applicable

**California Prop 65** This product does not contain any Proposition 65 chemicals.

**16. Other information, including date of preparation or last revision**

**Revision date** June 20, 2023

**Disclaimer** The statements contained herein are offered as informational data only and are believed to be correct. However, this product should be handled by persons having related technical skills, and at their own discretion and risk. Since seller has no control over the use of this product, no warranty, expressed or implied, is made and seller assumes no liability in connection with any use of this information or from contact and/or handling of this product.