

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Trisodium EDTA

**Synonyms:** Trisodium EDTA

**CAS Number:** 150-38-9

**Grade/Purity:** Technical

**Product Type:** Salts

**Product Use:** Industrial, Manufacturing or Laboratory use

**Manufacturer/Supplier:** Alliance Chemical, 204 South Edmond St, Taylor, Texas 76574

**Information:** 512-365-6838 | www.alliancechemical.com

**Emergency:** CHEMTEL - 800-255-3924 (24 Hours/Day, 7 Days/Week)

### 2. HAZARDS IDENTIFICATION

**Signal Word:** Danger

**GHS Pictograms:**



**Hazard Statements:**

|                   |  |
|-------------------|--|
| H302+H332 (53.3%) | Harmful if swallowed or if inhaled [Warning Acute toxicity, oral; acute toxicity, inhalation]                                  |
| H302 (87.8%)      | Harmful if swallowed [Warning Acute toxicity, oral]  |
| H318 (66%)        | Causes serious eye damage [Danger Serious eye damage/eye irritation]   |
| H319 (25.9%)      | Causes serious eye irritation [Warning Serious eye damage/eye irritation]  |
| H332 (62.9%)      | Harmful if inhaled [Warning Acute toxicity, inhalation]  |
| H373 (66%)        | May causes damage to organs through prolonged or repeated exposure [Warning Specific target organ toxicity, repeated exposure] |

**Precautionary Statements:**

|       |  |
|-------|--|
| P260, | P261, P264, P264+P265, P270, P271, P280, P301+P317, P304+P340, P305+P351+P338, P305+P354+P338, P317, P319, P330, P337+P317, and P501 |
|-------|--|

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| COMPONENT      | WEIGHT %          | CAS #    | EINECS# / ELINCS# | FORMULA   | MOLECULAR WEIGHT |
|----------------|-------------------|----------|-------------------|---|------------------|
| Trisodium EDTA | See specification | 150-38-9 | 205-758-8         | C <sub>10</sub> H <sub>13</sub> N <sub>2</sub> Na <sub>3</sub> O <sub>8</sub> | 358.19 g/mol     |

#### 4. FIRST-AID MEASURES

|                   |  |
|-------------------|--|
| <b>Eyes</b>       | EYES: First check the victim for contact lenses and remove if present. Flush victim's eyes with water or normal saline solution for 20 to 30 minutes while simultaneously calling a hospital or poison control center. Do not put any ointments, oils, or medication in the victim's eyes without specific instructions from a physician. IMMEDIATELY transport the victim after flushing eyes to a hospital even if no symptoms (such as redness or irritation) develop.  |
| <b>Skin</b>       | SKIN: IMMEDIATELY flood affected skin with water while removing and isolating all contaminated clothing. Gently wash all affected skin areas thoroughly with soap and water. If symptoms such as redness or irritation develop, IMMEDIATELY call a physician and be prepared to transport the victim to a hospital for treatment.  |
| <b>Inhalation</b> | INHALATION: IMMEDIATELY leave the contaminated area; take deep breaths of fresh air. If symptoms (such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest) develop, call a physician and be prepared to transport the victim to a hospital. Provide proper respiratory protection to rescuers entering an unknown atmosphere. Whenever possible, Self-Contained Breathing Apparatus (SCBA) should be used; if not available, use a level of protection greater than or equal to that advised under Protective Clothing. |
| <b>Ingestion</b>  | INGESTION: DO NOT INDUCE VOMITING. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical and IMMEDIATELY call a hospital or poison control center. Be prepared to transport the victim to a hospital if advised by a physician. If the victim is convulsing or unconscious, do not give anything by mouth, ensure that the victim's airway is open and lay the victim on his/her side with the head lower than the body. DO NOT INDUCE VOMITING. IMMEDIATELY transport the victim to a hospital. (NTP, 1992)  |

#### 5. FIRE-FIGHTING MEASURES

|                             |  |
|-----------------------------|--|
| <b>Suitable Media</b>       | Use water spray, alcohol-resistant foam, dry chemical, or CO <sub>2</sub> . Use measures appropriate to local circumstances. |
| <b>Unsuitable Media</b>     | Do not use a solid water stream as it may scatter and spread fire.   |
| <b>Protective Equipment</b> | Wear self-contained breathing apparatus and full protective clothing.  |
| <b>Combustion Products</b>  | May include carbon oxides and other toxic fumes. See Section 10.   |

#### 6. ACCIDENTAL RELEASE MEASURES

|                                  |   |
|----------------------------------|---|
| <b>Personal Precautions</b>      | Use PPE as described in Section 8. Ensure adequate ventilation. Evacuate personnel to safe areas.       |
| <b>Environmental</b>             | Prevent leakage or spillage from entering drains, sewers, or waterways.                                 |
| <b>Containment &amp; Cleanup</b> | Absorb with inert material. Collect in appropriate waste container. Dispose per applicable regulations. |

#### 7. HANDLING AND STORAGE

|                      |  |
|----------------------|--|
| <b>Safe Handling</b> | Use with adequate ventilation. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. Keep container closed when not in use. |
| <b>Safe Storage</b>  | Store in a cool, dry, well-ventilated area. Keep away from incompatible materials (see Section 10). Keep containers tightly closed.                |

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Use adequate ventilation. Provide eyewash stations and quick-drench showers accessible to areas of use.

**Occupational Exposure Limits:**

No established occupational exposure limits.

|                   |   |
|-------------------|---|
| <b>Eyes</b>       | Wear chemical safety goggles or face shield.  |
| <b>Skin</b>       | Wear chemical-resistant gloves and protective clothing.                             |
| <b>Inhalation</b> | Use NIOSH-approved respirator if exposure limits are exceeded or irritation occurs. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                   |   |
|-------------------|---|
| Appearance        | White crystalline powder                            |
| Odor              | Characteristic                                      |
| pH                | Not Available                                       |
| Melting Point     | 237°C   |
| Boiling Point     | 360°C   |
| Flash Point       | Not Available                                       |
| Vapor Pressure    | Not Available                                       |
| Specific Gravity  | 1.01  |
| Solubility        | Highly soluble in water, limited ethanol solubility |
| Molecular Formula | $C_{10}H_{13}N_2Na_3O_8$                            |
| Molecular Weight  | 358.19 g/mol  |

## 10. STABILITY AND REACTIVITY

|                        |   |
|------------------------|---|
| Chemical Stability     | Stable under recommended storage conditions.                                  |
| Hazardous Reactions    | None under normal processing conditions.                                      |
| Conditions to Avoid    | Heat, sparks, open flame, and incompatible materials.                         |
| Incompatible Materials | Strong oxidizing agents, strong acids, strong bases.                          |
| Decomposition Products | May produce carbon oxides and other toxic fumes when heated to decomposition. |

## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity: See Section 2 for GHS hazard classification.

|      |                           |
|------|---------------------------|
| IARC | Not listed as carcinogen. |
| NTP  | Not listed as carcinogen. |
| OSHA | Not listed as carcinogen. |

## 12. ECOLOGICAL INFORMATION

|                  |   |
|------------------|---|
| Ecotoxicity      | Data not available. Avoid release to the environment. |
| Persistence      | Not Available   |
| Bioaccumulation  | Not Available   |
| Mobility in Soil | Not Available   |

## 13. DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with applicable federal, state, and local regulations. Do not dispose of into drains or waterways.

## 14. TRANSPORT INFORMATION

|                  |   |
|------------------|---|
| US DOT           | Not regulated as dangerous goods.   |
| IMDG             | Not regulated as dangerous goods.   |
| IATA/ICAO        | Not regulated as dangerous goods.   |
| Marine Pollutant | No  |
| Note             | Hazard communication note: Product may meet GHS hazard criteria for workplace handling, while not being regulated as dangerous goods for transport. |

## 15. REGULATORY INFORMATION

|                           |  |
|---------------------------|--|
| <b>TSCA Inventory</b>     | All ingredients are listed on the TSCA Active inventory.         |
| <b>California Prop 65</b> | Refer to California Proposition 65 list for current status.      |
| <b>SARA 311/312</b>       | See Section 2 for hazard classifications.                        |
| <b>SARA 313</b>           | Refer to EPA Toxic Release Inventory for current listing status. |

## 16. OTHER INFORMATION

**Revision Date:** 04/29/2026

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