1. Identification

**Product Name:** EDTA-Cal

**Synonyms:** N/A

**Recommended Use:** Laboratory Reagent

**Manufacturer/Supplier:** Avantik
32 Commerce Street
Springfield, NJ 07081
(800) 783-9424

**Restrictions on Use:** Any use other than recommended

**In Case of Emergency:**
Chemtrec US 1-800-424-9300
Chemtrec International 703-527-3887

2. Hazards Identification

**OSHA Hazard Classification(s):**
- Skin Irritation - Category 2
- Eye Irritation - Category 2B

**Signal Word:** Warning

**Hazard Statement(s):** Causes skin irritation. Causes eye irritation.

**Pictogram(s):**

**Precautionary Statement(s):**
- Prevention: Wash body thoroughly after handling. Wear protective gloves.

Response: If on skin: Wash with plenty of water. Specific treatment (see first aid section on this label). If skin irritation or rash occurs: Get medical attention. Take off all contaminated clothing and wash it before reuse. 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.

Storage: N/A

Disposal: N/A

**Descriptions of Hazards not otherwise classified:** N/A

**Percent of mixture with unknown acute toxicity:** N/A

3. Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Common Name</th>
<th>CAS #</th>
<th>Concentration %</th>
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<tr>
<td>Select EDTA</td>
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4. First Aid Measures

**Eye Contact:** 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 advice/attention.

**Skin Contact:** If on skin (or hair): Take off immediately all contaminated clothing and wash before reuse. Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.

**Inhalation:** Remove to fresh air; give artificial respiration if breathing has stopped. Get medical advice/attention if you feel unwell.

**Ingestion:** Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.

**Symptoms:** Irritation eyes, nose, throat; headache, dizziness

**Recommendations for immediate medical care/special treatment:** Get medical advice/attention if you feel unwell.
5. Fire-Fighting Measures

**Extinguishing Media:** Dry chemical, carbon dioxide, alcohol foam, water.

**Fire Hazards (Chemical):** Not flammable.

**Special Protective Equipment:** Firefighters should use self-contained breathing apparatus and protective clothing.

**Precautions for Firefighters:** Carbon monoxide and unidentified organic compounds may be formed during combustion.

6. Accidental Release Measures

**Emergency Procedures:** Evacuate the area of all unnecessary personnel. Wear suitable protective equipment. Eliminate all sources of ignition and provide ventilation.

**Protective Equipment:** See section 8

**Environmental Precautions:** Prevent release to the environment by using barriers.

**Containment and Clean-Up Procedures:** Use barriers to prevent spreading. Collect spill in container. Call waste authorities.

7. Handling and Storage

**Handling:** Do not breathe vapors. Do not eat, drink or smoke when using this product.

**Storage:** Store in a well-ventilated place. Keep cool. Keep lid tightly closed.

8. Exposure Controls/Personal Protection

**OSHA Permissible Exposure Limits (PELs):**

<table>
<thead>
<tr>
<th>Reagent</th>
<th>CAS #</th>
<th>OSHA PEL TWA</th>
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<tbody>
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**ACGIH Threshold Limit Values (TLVs):**

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<th>CAS #</th>
<th>ACGIH PEL TLV</th>
<th>ACGIH STEL</th>
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<tbody>
<tr>
<td>N/A</td>
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</tbody>
</table>

**Engineering Controls:** Use in a well ventilated area to prevent exposure. Maintain eyewash fountain and quick-drench facilities in work areas.

**Personal Protective Measures:** Wear gloves, lab coat, eye protection and impervious footwear. Contact lenses should not be worn when working with this material.

**Special PPE Requirements:** If ventilation hood not available wear respirator.

9. Physical and Chemical Properties Section

**Appearance:** Colorless, Liquid

**Molecular Weight:** N/A

**Molecular Formula:** N/A

**pH:** 7.2-7.5

**Boiling Point and Boiling Range:** N/A

**Melting Point/Freezing Point:** N/A

**Flash Point:** N/A

**Specific Gravity/Relative Density:** N/A

**Odor:** N/A

**Odor Threshold:** N/A

**Color:** Colorless

**Flammability (solid/gas):** N/A

**Vapor Density:** N/A

**Upper/Lower flammability or explosive limits:** N/A

**Vapor Pressure:** N/A
EDTA-Cal

Evaporation Rate: N/A  
Partition Coefficient: n-octanol/water: N/A  
Viscosity: N/A  
Auto-ignition temperature: N/A  
Solubility: N/A  
Decomposition Temperature: N/A  

10. Stability and Reactivity  
Reactivity: Not Reactive  
Chemical Stability: Stable  
Conditions of Stability/Instability: Stable under normal conditions of temperature and pressure  
Stabilizers needed: None  
Safety issue indicated by appearance change: N/A  
Other: N/A  
Hazardous Reactions: N/A  
Hazardous Polymerization: Does not occur  
Conditions to avoid: N/A  
Classes of Incompatible Materials: Oxidizers, Strong Acids, Strong Bases  
Hazardous Decomposition Products: Thermal-oxidation degradation can produce oxides of carbon. Toxic gases and vapors (i.e. Carbon monoxide) may be released in a fire.  

11. Toxicological Information  
Likely Routes of Exposure  
Eyes: Irritation.  
Skin: Irritation.  
Inhalation: Dizziness, headache.  
Ingestion: Nausea.  
Signs or Symptoms of Exposure: Nausea.  
Effects from short term exposure (delayed, immediate, chronic): Irritation to the eyes, nose, throat; headache, dizziness, nausea.  
Acute Toxicity (Numerical Measures): N/A  
Carcinogenicity (NTP, IARC, OSHA): N/A  

12. Ecological Information  
Ecotoxicity: N/A  
Persistence and degradability: N/A  
Bioaccumulation Potential (octanol-water partition coefficient, BCF): N/A  
Mobility in the soil: N/A  
Adverse Environmental Effects: N/A  

13. Disposal Considerations  
Recommended Disposal Containers: Check with your local waste authorities*  
Recommended Disposal Methods: Do not dispose of in drains, check with your local waste authorities.*  
Physical/Chemical Properties affecting Disposal: See section 2 and section 9 applicable information.*  
Special Precautions for Landfill and Incineration Activities: Check with your local waste authorities.*  
Waste Stream: Consult your local or regional authorities.*  

14. Transport Information
EDTA-Cal

UN Number: Not regulated.
UN Proper Shipping Name:
Transport Hazard Class(es):
Packing Group Number:
Environmental Hazards (IMDG code):
  Marine Pollutant:
Transport in Bulk (IBC Code):
Special Transport Precautions:

15. Regulatory Information
OSHA: N/A
DOT: N/A
EPA: N/A
CPSC: N/A
## 16. Other Information

### NFPA

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<th>Fire Hazard</th>
<th>Reactivity</th>
<th>Specific Hazard</th>
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### HMIS

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### NFPA

- **Revision Date:** 08/03/2015
- **National Fire Protection Association (USA) NFPA**

### HMIS

- **Hazardous Material Information System HMIS**

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