



## Material Safety Data Sheet

acc. to ISO/DIS 11014

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Printing Date: 2005-Sep-29

Printing Date: Reviewed on

**Product Name:** BD Vacutainer® Brand Tube with Tripotassium EDTA

### 1 Identification of substance:

- **Product Details:**

MSDS Number: VS60312-05

Issue Date: September 28, 2005

Supersedes: January 26, 2000

ECO No.: ECO36214

- **Product Name:** BD Vacutainer® Brand Tube with Tripotassium EDTA

- **Catalog Numbers:** 364300, 366385, 366401, 366450, 366452, 366454, 366457, 366458, 366535, 366536, 366545, 366564, 367650, 367653, 367658, 367661, 367662, 367665, 367669, 369651  
Discontinued: 006458, 006564, 360005, 360041, 362005, 366350, 366352, 366405, 366437, 367660, 367857, 367858, 368022, 368023, 368024, 368025, 368121, 368127

- **Manufacturer/Supplier:**

BD Diagnostics, Preanalytical Systems

1 Becton Drive

Franklin Lakes, NJ, 07417-1885

- **Information Department:**

BD Diagnostics, Preanalytical Systems Technical Service, (800) 631-0174

- **Emergency Information:**

In case of a chemical emergency, spill, fire, exposure, or accident contact ChemTrec at (800) 424-9300

### 2 Composition/Data on components:

- **Description:**

**Chemical name:** Tripotassium EDTA

**Synonyms:** Ethylenediaminetetraacetic acid, tripotassium salt dehydrate; Edathamil; EDTA Tripotassium salt; Tripotassium ethylenediaminetetraacetate Dihydrate

- **CAS No.:** 65501-24-8

- **Quantity:** 4.0 – 33 mg

- **Exposure limits:** N/A

### 3 Hazards identification:

- **Hazard description:**

**EU:** This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory threshold limits described by European Directive 91/155/EEC, and 93/112/EC.

**U.S.:** May cause eye and skin irritation. May cause irritation to mucous membranes or upper respiratory tract. May cause irritation to throat, esophagus, or stomach. Avoid generating dust or dust accumulation.

- **Classification system:** The classification is according to the latest editions of the EU- list, and extended by company and literature data.

- **Acute Exposure Effects:**

**Eyes:** May cause eye irritation.

**Skin:** May cause skin irritation.

**Inhalation:** May cause irritation to mucous membranes or upper respiratory tract.

**Ingestion:** May cause irritation to throat, esophagus, or stomach.



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### **Repeated Exposure Effects:**

Eyes: None identified.

Skin: None identified.

Inhalation: None identified.

Ingestion: None identified.

**Primary Route of Entry:** Eyes, skin, inhalation and ingestion.

**Medical conditions which might be aggravated:** None identified

### • **NFPA ratings (scale 0-4):**



Health = 1

Fire = 1

Reactivity = 0

Specific Hazard = 0

### • **HMIS ratings (scale 0-4):**



Health = 1

Flammability = 1

Reactivity = 0

Special = 0

## **4 First aid measures:**

### • **General information:**

**After inhalation:** Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Consult a doctor.

**After skin contact:** Immediately flush skin with plenty of soap and water for at least 15 minutes. Consult a doctor if irritation develops.

**After eye contact:** Immediately flush with plenty of water for at least 15 minutes. If symptoms persist, consult a doctor.

**After Swallowing:** Immediately give water to dilute. Get medical attention.

**Information for doctor:** Show this label

## **5 Fire fighting measures:**

- **Suitable extinguishing agents:** Water spray, carbon dioxide, dry chemical or foam.

- **Protective equipment:** Firefighters should wear self-contained breathing apparatus and proper protective equipment to prevent contact with skin and eyes.

## **6 Accidental release measures:**

- **Person-related safety precautions:** Avoid overexposure. Wear suitable protective clothing, including NIOSH/MSHA-approved respirator.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:** Sweep up into appropriate container and hold for disposal. Avoid raising dust. Ventilate area and flush with water.



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- **Additional information:** See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment  
See Section 13 for information on disposal

## 7 Handling and storage:

- **Handling:**  
*Information for safe handling:* Keep container tightly closed. Suitable for any general chemical storage area.  
*Information about protection against explosions and fires:* Avoid contact with incompatible material such as strong oxidizing agents. Minimize dust generation and accumulation.
- **Storage:**  
*Requirements to be met by storerooms and receptacles:* Keep container tightly closed.  
*Information about storage in one common storage facility:* Suitable for any general chemical storage area.  
*Further information about storage conditions:* None

## 8 Exposure controls and personal protection:

- **Additional information about design of technical systems:** Mechanical exhaust required.
- **Components with limit values that require monitoring at the workplace:** N/A
- **Additional information:** N/A
- **Personal Protective Equipment:**  
*General protective and hygienic measures:* Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Use with adequate ventilation.  
*Breathing equipment:* NIOSH/MSHA-approved respirator.  
*Protection of hands:* Use chemical-resistant gloves.  
*Eye protection:* Use chemical safety goggles.  
*Body protection:* Wear appropriate protective clothing to prevent skin exposure.  
*Other Protective Equipment:* Eye bath, safety shower, and aprons.

## 09 Physical and chemical properties:

- **General Information:**  
*Form:* Solid (Crystals or Crystalline powder)  
*Color:* White  
*Odor:* Odorless
- **Change in condition:**  
*Melting point/Melting range:* Not available  
*Boiling point/Boiling range:* Not available





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- **Flash point:** Not available
- **Flammability (solid, gaseous):** Not available
- **Danger of explosion:** Product does not present an explosion hazard under normal conditions of use.
- **Vapor pressure:** Not available
- **Density:** Not available
- **Solubility in/Miscibility w/H<sub>2</sub>O:** 100%
- **Solubility in other solvents:** Not available
- **pH-value:** Not available
- **Organic solvents:** Not available
- **Specific gravity:** Not available

### 10 Stability and reactivity:

- **Thermal decomposition / conditions to be avoided:** Avoid generation and accumulation of dusts.
- **Materials to be avoided:** Strong oxidizing agents.
- **Dangerous reactions:** Stable; No dangerous reactions known.
- **Dangerous products of decomposition:** Oxides of nitrogen, carbon monoxide, carbon dioxide

### 11 Toxicological information:

- **Acute toxicity:**
  - Eyes:* May cause eye irritation.
  - Skin:* May cause skin irritation.
  - Inhalation:* May cause irritation to mucous membranes or upper respiratory tract.
  - Ingestion:* May cause irritation to throat, esophagus, or stomach.
- **Primary irritant effect:**
  - On the skin:* Not established
  - On the eye:* Not established
- **Sensitization:** Not established
- **Additional toxicological information:** Does not contain more than 0.1% by weight of a material listed as a potential carcinogen by NTP, IARC, or OSHA.

### 12 Ecological information:

- **Ecotoxicological effects:** No data is available on the adverse effects of this material on the environment. Neither COD nor BOD data are available.
- **Other information:** N/A
- **General notes:** N/A



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### 13 Disposal considerations:

- **Product:**

**Recommendation**

Disposal should be done in accordance with local, state and federal regulations.

Disposal must be made according to the regulations found in 40 CFR 261.

This product is not a RCRA hazardous waste.

- **Uncleaned packagings:**

**Recommendation**

Disposal should be done in accordance with local, state and federal regulations.

Disposal must be made according to the regulations found in 40 CFR 261.

This product is not a RCRA hazardous waste.

**Recommended cleansing agent**

Water, if necessary with cleansing agents

- **General notes:** N/A

### 14 Transport information:

- **DOT regulations:** Non-regulated
- **Land transport ADR/RID (cross-border):** Non-regulated
- **Maritime transport IMDG:** Non-regulated
- **Air transport ICAO-TI and IATA-DGR:** Non-regulated

### 15 Regulations:

- **SARA Section 355 (extremely hazardous substances):** Substance not listed
- **SARA Section 302 (extremely hazardous substances):** Substance not listed
- **Section 313 (specific toxic chemical listings):** Substance not listed
- **SARA Section 304 (Reportable Quantity (RQ) under CERCLA):** None
- **TSCA (Toxic Substances Control Act) Inventory:** Substance not listed
- **California Proposition 65 – Chemicals Known to Cause Cancer:** Substance not listed
- **California Proposition 65 – Chemicals Known to Cause Reproductive Toxicity:** Substance not listed
- **Carcinogenicity categories**
  - IARC (International Agency for Research on Cancer):** Substance not listed
  - NTP (National Toxicology Program):** Substance not listed
  - TLV (Threshold Limit Value established by ACGIH):** Substance not listed
  - MAK (German Maximum Workplace Concentration):** Not available
- **Product related hazard information:** No additional information.
- **National regulations:** The additive has not been classified as hazardous under the Chemicals (Hazard Information and Packaging) Regulations.
- **Water hazard class:** Not assigned



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**16 Other information:**

*To the best of our knowledge, the information contained herein is accurate. However, neither BD or any of its subsidiaries assumes any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

- **Department issuing MSDS:** Regulatory Affairs