



Material Safety Data Sheet

acc. to ISO/DIS 11014

Page 1 of 5

Printing Date: 2005-Feb-24

Printing Date: Reviewed on

Product Name: BD Vacutainer® Brand Tube with CTAD Solution

1 Identification of substance:

- **Product Details:**

MSDS Number: VS60344-01

Issue Date: February 23, 2005

Supersedes: New Issue

ECO No.: ECO25422

- **Product Name:** BD Vacutainer® Brand Tube with CTAD Solution

- **Catalog Numbers:** 367599, 367946, 367947 *Discontinued: 367944*

- **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 BD Diagnostics, Preanalytical Systems, at (308) 423-0300, or ChemTrec at (800) 424-9300

2 Composition/Data on components:

- **Description:**

Chemical name: Not applicable

- **CAS No.:** Not applicable

- **Quantity:** Not applicable

- **Exposure limits:** Not applicable

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.:

This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory threshold for limits described by Occupational Safety Health Administration Hazard Communication Standard 29 CFR 1910.1200.

- **Health effects:**

Acute Exposure Effects: None known

Repeated Exposure Effects: None known

Medical conditions which might be aggravated: None known

- **Environmental effects:** Generally not hazardous for water.

- **Physical hazards:** None known

- **Classification system:** The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

Product Name: BD Vacutainer® Brand Tube with CTAD Solution

• **NFPA ratings (scale 0-4):**



Health = 0
Fire = 0
Reactivity = 0
Specific Hazard = 0

• **HMIS ratings (scale 0-4):**



Health = 0
Flammability = 0
Reactivity = 0
Special = 0

4 First aid measures:

• **General information:**

After skin contact: Immediately wash with soap and water and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After inhalation: Seek medical treatment in case of complaints.

After Swallowing: If symptoms persist, consult a doctor.

Information for doctor: Show this label

5 Fire fighting measures:

- **Suitable extinguishing agents:** Carbon Dioxide, extinguishing powder or spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures:

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Wipe up with damp sponge or mop.
- **Measures for cleaning/collecting:** No special measures required.
- **Additional information:** No dangerous substances are released.

Product Name: BD Vacutainer® Brand Tube with CTAD Solution**7 Handling and storage:****• Handling:**

Information for safe handling: No special measures required.

Information about protection against explosions and fires: No special measures required.

• Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Store away from oxidizing agents.

Further information about storage conditions: Store in cool, dry conditions in well-sealed containers.

8 Exposure controls and personal protection:

• Additional information about design of technical systems: No further data; see Section 7.

• Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

• Additional information: The lists that were valid during the creation were used as basis.

• 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: Not required.

Protection of hands: Protective gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Eye protection: Safety glasses.

Body protection: Protective work clothing.

09 Physical and chemical properties:**• General Information:**

Form: Solution

Color: Clear – Light Yellow

Odor: Characteristic

• Change in condition: Not determined

Melting point/Melting range: Not determined

Boiling point/Boiling range: Not determined

• Flash point: Not applicable

• Auto igniting: Product is not self-igniting

• Danger of explosion: Product does not present an explosion hazard

• Vapor pressure: Not applicable



Material Safety Data Sheet

acc. to ISO/DIS 11014

Page 4 of 5

Printing Date: 2005-Feb-24

Printing Date: Reviewed on

Product Name: BD Vacutainer® Brand Tube with CTAD Solution

- **Density:** Not determined
- **Solubility in/Miscibility w/H₂O:** Soluble
- **pH-value:** 5.35
- **Solvent content:**
Organic solvents: 0.0%

10 Stability and reactivity:

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:** Incompatible material: strong oxidizers.
- **Dangerous reactions:** Stable; No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information:

- **Acute toxicity:** None known
- **Primary irritant effect:**
On the skin: No irritating effect
On the eye: No irritating effect
- **Sensitization:** No sensitizing effects known
- **Additional toxicological information:** The product is not subject to OSHA classification according to internally approved calculation methods for preparations. When used according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information:

- **Ecotoxicological effects:**
- **Other information:** The ecological effects have not been thoroughly investigated, but currently none have been identified.
- **General notes:** Generally not hazardous for water.

13 Disposal considerations:

- **Product:**
Recommendation
Smaller quantities can be disposed of with solid waste.
Dispose of material in accordance with federal (40 CFR 261), state and local requirements.
This product is not a RCRA hazardous waste.
- **Uncleaned packagings:**
Recommendation
Disposal should be done in accordance with local, state and federal regulations.
Recommended cleansing agent
Water, if necessary with cleansing agents
- **General notes:** None



Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing Date: 2005-Feb-24

Printing Date: Reviewed on

Product Name: *BD Vacutainer® Brand Tube with CTAD Solution*

14 Transport information:

- *DOT regulations: Not regulated*
- *Land transport ADR/RID (cross-border): Not regulated*
- *Maritime transport IMDG: Not regulated*
- *Air transport ICAO-TI and IATA-DGR: Not regulated*

15 Regulations:

- *SARA Section 355 (extremely hazardous substances): Substances not listed.*
- *SARA Section 313 (specific toxic chemical listings): Substances not listed.*
- *TSCA (Toxic Substances Control Act) Inventory: Substances listed*
- *California Proposition 65 – Chemicals Known to Cause Cancer: Substances not listed*
California Proposition 65 – Chemicals Known to Cause Reproductive Toxicity: Substances not listed
- *Carcinogenicity categories*
IARC (International Agency for Research on Cancer): Substances not listed
NTP (National Toxicology Program): Substances not listed
TLV (Threshold Limit Value established by ACGIH): Substances not listed
MAK (German Maximum Workplace Concentration): Substances not listed
- *Product related hazard information: Observe the general safety regulations when handling chemicals.*
The product is not subject to classification according to the sources of literature known to us.
The product is not subject to identification regulations pertaining to regulations on hazardous materials.
- *National regulations: Not available*
- *Water hazard class: Generally not hazardous for water*

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*