

1 Identification of substance:

· **Product details:**

MSDS #: VS60315-01

Issue Date: October 21, 2003

Supercedes: VS60315-00

ECO#: 8953

· **Product name:** Vacutainer Brand CPT TM Cell Preparation Tube w/ Sodium Citrate

· **Catalog number:** 362760, 362761, 362781, 362782

· **Manufacturer/Supplier:**

BD Vacutainer Systems

Preanalytical Solutions

1 Becton Drive

Franklin Lakes, NJ 07417-1885

· **Information department:**

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

· **Emergency information:**

In case of a chemical emergency, spill, fire, exposure, or accident contact BD Vacutainer Systems, Preanalytical Solutions at (308)423-0300, or ChemTrec at (800)424-9300.

2 Composition/Data on components:

· **Chemical characterization**

· **Description:** Mixture consisting of the following components.

· **Dangerous components:**

68-04-2	Sodium citrate	2.86%
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3 Hazards identification

· **Hazard description:**



Xi Irritant

· **Information pertaining to particular dangers for man and environment**

R 36/37/38 Irritating to eyes, respiratory system and skin.

· **Classification system**

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

· **NFPA ratings (scale 0-4)**



Health = 1

Fire = 0

Reactivity = 0

4 First aid measures

· **After inhalation** Supply fresh air; consult doctor in case of complaints.

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

· **After eye contact** Rinse opened eye for 15 minutes under running water. Then consult a doctor.

(Contd. on page 2)

Product name: Vacutainer Brand CPT TM Cell Preparation Tube w/ Sodium Citrate

(Contd. of page 1)

- **After swallowing** If symptoms persist consult doctor.
- **Information for doctor** Show this label.

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** Use respiratory protective device.

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

7 Handling and storage

- **Handling**
- **Information for safe handling:**
Store in cool, dry place in tightly closed containers.
Ensure good ventilation/exhaustion at the workplace.
- **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 item 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**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
- **Breathing equipment:**
In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respirator.

(Contd. on page 3)

Product name: Vacutainer Brand CPT TM Cell Preparation Tube w/ Sodium Citrate

(Contd. of page 2)

· Protection of hands:



Chemical resistant gloves (i.e. latex, nitrile, or equivalent).

· Eye protection: Safety glasses

· Body protection: Protective work clothing (lab coat).

9 Physical and chemical properties:

· General Information

Form: Gel
Color: Tan
Odor: Characteristic

· Change in condition

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

· Density: Not determined

· Solubility in / Miscibility with

Water: Soluble

· pH-value: Not applicable

· 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 No dangerous reactions known

· Dangerous products of decomposition:

Carbon monoxide (CO) and carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

Sulfur oxides (SO_x)

11 Toxicological information

· Acute toxicity:

· Primary irritant effect:

· on the skin: Irritant to skin and mucous membranes.

(Contd. on page 4)

Product name: Vacutainer Brand CPT TM Cell Preparation Tube w/ Sodium Citrate

(Contd. of page 3)

- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

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.
This product is not considered a RCRA hazardous waste.
Dispose of material in accordance with federal (40 CFR 261), state and local requirements.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to state and federal regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- **DOT regulations:**
- **Hazard class:** -
- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

- **Transport/Additional information:**
If a dashed line appears in the Hazard Class section for the type of transportation, this indicates the product is not regulated for transportation. However, if a Hazard Class Number is listed the product is regulated.

15 Regulations

- **SARA Section 355 (extremely hazardous substances)**
None of the ingredients is listed.

(Contd. on page 5)



Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 12/08/2003

Reviewed on 12/08/2003

Product name: Vacutainer Brand CPT TM Cell Preparation Tube w/ Sodium Citrate

(Contd. of page 4)

· **SARA Section 313 (specific toxic chemical listings)**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act)**

68-04-2 Sodium citrate

· **California Proposition 65 - Chemicals known to cause cancer**

None of the ingredients is listed.

· **California Proposition 65 - Chemicals known to cause reproductive toxicity**

None of the ingredients is listed.

· **Carcinogenicity categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

· **Product related hazard informations:**

The product has been classified and marked in accordance with regulations on hazardous materials.

· **Hazard symbols:**

Xi Irritant

· **Hazard-determining components of labelling:**

Sodium citrate

· **Risk phrases:**

36/37/38 Irritating to eyes, respiratory system and skin.

· **Safety phrases:**

22 Do not breathe dust.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36 Wear suitable protective clothing.

· **National regulations**

· **Water hazard class:** Generally not hazardous for water.

16 Other information:

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· **Department issuing MSDS:** Regulatory Affairs

· **Contact:** Technical Service Representative