

I-414049 C-362761

BDVAC

HC #01

Page 1 of 5

MATERIAL SAFETY DATA SHEET
Product Group: Sodium Citrate/Gel

MSDS Number: VS60315-00
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CHEMICAL PRODUCT AND COMPANY IDENTIFICATION - SECTION 1

Company Identification: Becton Dickinson VACUTAINER® Systems
A Division of Becton Dickinson and Company
1 Becton Drive
Franklin Lakes, NJ 07417-1885

FOR CHEMICAL EMERGENCY, SPILL LEAK, FIRE, EXPOSURE, OR ACCIDENT:
In the continental U.S., call Chemtrec: 1-800-424-9300
For additional non-emergency information, call: 1-800-631-0174

Product Name: VACUTAINER® Brand CPT™ Cell Preparation Tube with Sodium Citrate

Reorder Numbers: 362760, 362761

Synonym(s): N/A

Chemical Formula: N/A

Chemical Family: N/A

COMPOSITION/ INFORMATION ON INGREDIENTS - SECTION 2

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Exposure Limits</u>	<u>Weight</u>
Sodium Citrate	68-04-2	N/A	13.8 mg
Gel (Proprietary Mixture)	N/A	N/A	1.8 gm

HEALTH EFFECTS SUMMARY - SECTION 3

The following information summarizes human experience and results of scientific investigations reviewed by health professionals for hazard evaluation of and development of Precautionary Measures and Occupational Control Procedures recommended in this document.

Primary Route of Entry: Dermal contact, eye contact, Inhalation, and ingestion.

Medical Conditions Which Might be Aggravated: None identified

Acute Exposure Effects:

- 1. Skin:** None identified.
- 2. Eyes:** None identified.
- 3. Inhalation:** May be irritating to upper respiratory tract.

MATERIAL SAFETY DATA SHEET

Page 2 of 5

Product Group: Sodium Citrate/Gel

4. **Ingestion:** May cause nausea and vomiting if ingested in large quantities. May also cause hypernoia and convulsing.

Repeated Exposure Effects:

1. **Skin:** None identified.
2. **Inhalation:** May cause severe scarring of the lung, (silicosis). Silicosis may result in heart failure.
3. **Ingestion:** None identified.

EMERGENCY AND FIRST AID PROCEDURES - SECTION 4

Skin: Wash thoroughly with water for at least 15 minutes.

Eyes: Immediately flush with water for at least 15 minutes. Seek medical attention.

Inhalation: Remove victim to fresh air. Seek medical attention immediately.

Ingestion: Give 2 to 4 glasses of water to dilute. Seek medical attention immediately.

FIRE PROTECTION INFORMATION - SECTION 5

Flash Point: N/A **Method:** N/A

Autoflammation Temperature: N/A **Method:** N/A

Combustibility: N/A **Method:** N/A

Extinguishing Media: Water spray; dry chemical; carbon dioxide, or alcohol foam.

Special Fire Fighting Procedures: Fire fighters should wear self-contained breathing apparatus in positive pressure mode. Keep containers cool by spraying with water.

Fire & Explosion Hazards : None identified.

ACCIDENTAL RELEASE MEASURES - SECTION 6

Avoid overexposure. Wear protective clothing. Sweep up and place in a suitable, clean, and dry container for proper disposal. Avoid inhalation during cleanup. Flush area with water.

HANDLING AND STORAGE PROCEDURES - SECTION 7

Avoid all contact. Keep container closed when not in use. Store in a cool, dry, well-ventilated area, away from incompatible materials.

OCCUPATIONAL CONTROL PROCEDURES - SECTION 8

Eye Protection: Use chemical safety goggles. **Skin Protection:** Use rubber gloves.

MATERIAL SAFETY DATA SHEET

Page 3 of 5

Product Group: Sodium Citrate/Gel

Respiratory Protection: Use NIOSH/MSHA approved respirator for high concentration levels.**Ventilation:** Use mechanical exhaust ventilation capable of minimizing emissions at the point of use.**Airborne Exposure Limits:** None Identified.**Other Protective Equipment:** Eye bath, safety shower, aprons.**PHYSICAL PROPERTIES - SECTION 9****Appearance:** Tan gel**Odor:** Odorless**Vapor Pressure (@ 20°C mm Hg):** N/A**Viscosity @ 40°C (centistokes):** N/A**Specific Gravity @ 25/25°C:** N/A**Solubility in Water (wt. %):** N/A**Solubility in Other Solvents:** N/A

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

REACTIVITY DATA - SECTION 10**Reactivity:** Stable**Incompatibility:** None identified**Hazardous Decomposition Products:** Oxides of carbon. Acid smoke and fumes will be omitted when heated.**Hazardous Polymerization:** Will not occur.**TOXICOLOGY INFORMATION - SECTION 11****Acute Eye Effects:** None identified**Acute Skin Effects:** None identified**Inhalation Toxicity:** May cause silicosis**Ingestion Toxicity:** None identified**Exposure Limits:** Not established.**Teratogenicity:** Not established.**Reproductive Toxicity:** Not established. **Mutagenicity:** Not established.**Synergistic Products:** Not established.**Sensitization to Product:** Not established.**Carcinogenicity:** Contains more than 0.1% by weight of a material listed as a potential carcinogen by:**NTP** No**IARC** No**OSHA** No**Other Chronic Effects:** None identified**Signs and Symptoms of Overexposure:** None identified**Medical Conditions Generally Aggravated by Overexposure:** None identified

HC #02

MATERIAL SAFETY DATA SHEET
Product Group: Sodium Citrate/Gel

Page 4 of 5

ECOLOGICAL INFORMATION - SECTION 12

No data is available on the adverse effects of this material on the environment. Neither COD nor BOD data are available.

DISPOSAL CONSIDERATIONS - SECTION 13

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

TRANSPORTATION INFORMATION - SECTION 14

D.O.T.

Proper Shipping Name: CHEMICALS, N.O.S. (NOT-REGULATED)

Hazard Class/I.D. No./Packing Group: N/A.

Label: N/A.

I.M.O.

Proper Shipping Name: CHEMICALS, N.O.S. (NOT-REGULATED)

Hazard Class/I.D. No./Packing Group: N/A.

Label: N/A.

I.C.A.D./I.A.T.A.

Proper Shipping Name: CHEMICALS, N.O.S. (NOT-REGULATED)

Hazard Class/I.D. No./Packing Group: N/A.

Label: N/A.

REGULATORY INFORMATION - SECTION 15

TSCA Inventory: None

Reportable Quantity (RQ) Under US EPA CERCLA Regulations: None

SARA Hazard Notification Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370): None

Hc #01

MATERIAL SAFETY DATA SHEET
Product Group: Sodium Citrate/Gel

Page 5 of 5

Section 313 Toxic Chemical(s): None

Hazardous Chemical(s) Under OSHA Hazard Communication Standard: 1910.200 Subpart Z

OTHER INFORMATION - SECTION 16

Label Information:

CAUTION

Keep container closed when not in use. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling.

Hazard Ratings:

NEPA

Fire -- 0
Health -- 2
Reactivity -- 0
Specific Hazard -- 0

HMIS

Health -- 2
Flammability -- 0
Reactivity -- 0

Information Contact: Becton Dickinson VACUTAINER® Systems
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