

BDVAC
cat # 362753
mgm # 318646

NO# 50

MATERIAL SAFETY DATA SHEET
Product Group: CPT - Sodium Heparin

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MSDS Number: VS60314-00
Issue Date: May 15, 1996
Supersedes: New Issue
ERCO No.: R6-0988

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 Heparin

Reorder Numbers: 362753

Synonym(s): N/A

Chemical Formula: N/A

Chemical Family: Organic Sodium Salts.

COMPOSITION/ INFORMATION ON INGREDIENTS - SECTION 2

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Exposure Limits</u>	<u>Weight (mg)</u>
Sodium Heparin	9041-08-1	N/A	1.4 mg
Gel (Proprietary Mixture)	N/A	N/A	3.0 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: Inhalation.

Medical Conditions Which Might be Aggravated: None identified.

Acute Exposure Effects:

1. Skin: None identified.
2. Eyes: None identified.
3. Inhalation: May cause nose bleeds and irritation of the respiratory tract.

4. Ingestion: None identified.

Repeated Exposure Effects:

1. Skin: None identified.
2. Inhalation: May cause nosebleeds or 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 10 minutes.

Eyes: Immediately flush with water for at least 10 minutes.

Inhalation: Remove victim to fresh air. Consult a physician.

Ingestion: Dilute by drinking copious amounts of water.

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.

Special Fire Fighting Procedures: Fire fighters should wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Fire & Explosion Hazards : This material is capable of creating a dust explosion.

ACCIDENTAL RELEASE MEASURES - SECTION 6

Avoid overexposure. Wear protective equipment, especially OSHA approved respirator. Do not dry-sweep. Whenever possible wet down to minimize airborne dust. Place in an appropriate disposal container.

HANDLING AND STORAGE PROCEDURES - SECTION 7

Product is hygroscopic. Use suitable containers. Keep tightly closed when not in use. Store in a well ventilated area. Protect from damage.

OCCUPATIONAL CONTROL PROCEDURES - SECTION 8

Eye Protection: Use safety glasses.

Skin Protection: Use proper gloves.

Respiratory Protection: Use OSHA approved particle /dust mask.

HC #50

Ventilation: Use local or general exhaust ventilation.

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:** Avoid strong oxidizing agents.

Hazardous Decomposition Products: None identified.

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

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

P.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.O./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

Section 313 Toxic Chemical(s): None

Hazardous Chemical(s) Under OSHA Hazard Communication Standard: None

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:

NFPA

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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