

MATERIAL SAFETY DATA SHEET

Urinalysis Preservative Tube

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MSDS Number: VS60340-02
Issue Date: 1/5/01
Supersedes: 01
ERCO NO. 101672

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION - SECTION 1

Company Identification: Becton Dickinson VACUTAINER® Systems
1 Becton Drive
Franklin Lakes, New Jersey 07417

FOR CHEMICAL EMERGENCY, SPILL LEAK, FIRE, EXPOSURE, OR ACCIDENT:

In the continental U.S., call: **800-424-9300**

For additional non-emergency information, call: **201-847-8600**

Product Name: BD Vacutainer™ PLUS Plastic Conical Tube with Urinalysis Preservative.

Reorder Nos: 364992, 364943, 364945, 364946

Synonym(s)*: 1. Propionic Acid.

* This list may not contain all brand names or synonyms.

Chemical Formula: Not Available.

CAS Number: 137-40-6.

COMPOSITION/ INFORMATION ON INGREDIENTS - SECTION 2

Chemical Name	Percent	CAS Number
Propionic Acid	94.0%	137-40-6
P-Hydroxybenzoic Acid Ethyl Ester	5.6%	120-47-8
Chlorohexidine Diacetate Crystalline	0.4%	56-95-1

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.

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HEALTH EFFECTS SUMMARY - SECTION 3 (continued)

Primary Route of Entry: Skin, Eyes, and Ingestion.

Medical Conditions That Might be Aggravated: Not Applicable.

Acute Exposure Effects:

- 1. Skin:** Slight irritation.
- 2. Eyes:** Slight irritation.
- 3. Inhalation:** Not Applicable.
- 4. Ingestion:** Not Applicable.

Repeated Exposure Effects:

- 1. Skin:** Not Applicable.
- 2. Inhalation:** Not Applicable.
- 3. Ingestion:** Not Applicable.

EMERGENCY AND FIRST AID PROCEDURES - SECTION 4

Skin: In case of contact, immediately wash skin with plenty of soap and water for at least 15 minutes.

Eyes: In case of eye contact, immediately flush with plenty of water for at least 15 minutes.

Inhalation: If a person breathes in large amounts, move the exposed person to fresh air.

Ingestion: If large amounts were swallowed, give water to drink and get medical advice.

FIRE PROTECTION INFORMATION - SECTION 5

Flash Point: Not Applicable.

Method: Not Applicable.

Autoignition Temperature: Not Applicable. **Method:** Not Applicable.

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FIRE PROTECTION INFORMATION - SECTION 5 (continued)

Combustibility: Not Applicable.

Method: Not Applicable.

Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Special Fire Fighting Procedures: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full-face respirator operated in positive pressure mode.

Unusual Fire and Explosive Hazards: None expected.

ACCIDENTAL RELEASE MEASURES - SECTION 6

Remove all persons away from the release. Wear suitable protective clothing while in contact with spilled material. Carefully sweep up into a compatible container. Dispose of according to local and federal disposal regulations. Wash contaminated area with copious amounts of water.

HANDLING AND STORAGE PROCEDURES - SECTION 7

Keep container tightly closed. Suitable for any general chemical storage area. Containers of this material may be hazardous when emptied since they retain product residue. Observe all warnings and precautions listed for the product.

OCCUPATIONAL CONTROL PROCEDURES - SECTION 8

Eye Protection: Use chemical safety goggles and/or full-face shield where dusting is possible. Maintain eyewash in the work area.

Skin Protection: Wear protective gloves and apron.

Respiratory Protection: (NIOSH Approved) For conditions of use where exposure to the substance is apparent, consult an industrial hygienist. For emergencies, or instances where the exposure levels are not known, use a full-face positive pressure, air supplied respirator. Warning: air purifying respirators do not protect workers in oxygen deficient atmospheres.

Ventilation: In general, dilution ventilation is a satisfactory health hazard control for the substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

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PHYSICAL PROPERTIES - SECTION 9

Appearance: White powder.

Odor: Not Applicable.

Vapor Pressure (@20°C mm Hg): Not Applicable.

Viscosity @ 40°C (centistokes): Not Applicable.

Specific Gravity @ 25/25°C: Not Applicable.

Solubility in Water (wt. %): Appreciable (>10%).

Solubility in Other Solvents: Not Applicable.

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

Stability: Stable under ordinarily conditions of use and storage.

Incompatibility: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide.

Hazardous Polymerization: Not Applicable.

TOXICOLOGY INFORMATION - SECTION 11

Toxicity: Not Applicable.

Exposure Limits: Not Applicable.

Teratogenicity: Not Applicable.

Mutagenicity: Not Applicable.

Synergistic Products: Not Applicable.

Sensitization to Product: Not Applicable.

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TOXICOLOGY INFORMATION - SECTION 11 (continued)

Carcinogenicity:

<u>NTP</u>	<u>IARC</u>	<u>OSHA</u>
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No	No	N/A
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Other Chronic Effects: Not Applicable.

Signs and Symptoms of Overexposure: Skin or eye irritation.

Medical Conditions Aggravated by Overexposure: Not Applicable.

ECOLOGICAL INFORMATION - SECTION 12

No information found.

DISPOSAL CONSIDERATIONS - SECTION 13

Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with local, state and federal requirements.

TRANSPORTATION INFORMATION - SECTION 14

D.O.T

Proper Shipping Name: Not Regulated.

Hazard Class/I.D. No./Packing Group: Not Applicable.

Label: Not Applicable.

I.M.O.

Proper Shipping Name: Not Regulated.

Hazard Class/I.D. No./Packing Group: Not Applicable.

Label: Not Applicable.

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TRANSPORTATION INFORMATION - SECTION 14 (continued)

I.C.A.O./I.A.T.A.

Proper Shipping Name: Not regulated.

Hazard Class/I.D. No./Packing Group: Not Applicable.

Label: Not Applicable.

REGULATORY INFORMATION - SECTION 15

TSCA Inventory: Not Applicable.

Reportable Quantity (RQ) Under US EPA CERCLA Regulations: Not Applicable.

SARA Hazard Notification Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370): Not Applicable.

Section 313 Toxic Chemical(s): Not Applicable.

Hazardous Chemical(s) Under OSHA Hazard Communication Standard: Not Applicable.

OTHER INFORMATION - SECTION 16

Hazard Ratings:

NFPA

Fire -- 0
Health -- 1
Reactivity -- 0
Specific Hazard -- N/A

HMIS

Health -- 1
Flammability -- 0
Reactivity -- 0
PPE -- C

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OTHER INFORMATION - SECTION 16 (continued)

Information Contact: Becton Dickinson VACUTAINER Systems
1 Becton Drive
Franklin Lakes, NJ 07417

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