



**Becton, Dickinson and Company**  
BD, Franklin Lakes, NJ  
07417 USA  
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# SAFETY DATA SHEET

## 1. Identification

### Product identifier

Product No.:	Product name:	Common name(s), synonym(s)
365901	BD Vacutainer® Lithium Heparin Tubes	
366667	BD Vacutainer® Lithium Heparin Tube	
367683	BD Vacutainer® Lithium Heparin Tube	
367880	BD Vacutainer® Lithium Heparin Tube	
367884	BD Vacutainer® Lithium Heparin Tube	
367886	BD Vacutainer® Lithium Heparin Tube	
368174	BD Vacutainer® Lithium Heparin Tube	
366664	BD Vacutainer® Lithium Heparin Tube	
368040	BD Vacutainer® Lithium Heparin Tubes	
365965	BD Microtainer® Blood Collection Tube w/ Lithium Heparin	
365966	BD Microtainer® Blood Collection Tube w/ Lithium Heparin	

### Other means of identification

**SDS number:** 088100181015

### Recommended use and restriction on use

**Recommended use:** Scientific and industrial laboratory use. For In Vitro Diagnostic Use.

**Restrictions on use:** For External Use Only

### Manufacturer/Importer/Supplier/Distributor Information

#### Manufacturer

Company Name: BD Diagnostics, Preanalytical Systems  
Address: 1 Becton Drive  
07417 Franklin Lakes, NJUSA  
Telephone: 1 800 631 0174  
Fax: 1 201 847 4866  
Contact Person: Technical Services  
E-mail: pas\_tech\_services@bd.com



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**Emergency telephone number:** ChemTrec 1 800 424 9300

## 2. Hazard(s) identification

### Hazard Classification

Not classified

### Label Elements

<b>Hazard Symbol:</b>	No symbol
<b>Signal Word:</b>	No signal word.
<b>Hazard Statement:</b>	not applicable
<b>Precautionary Statements</b>	not applicable

**Other hazards which do not result in GHS classification:** None.

## 3. Composition/information on ingredients

### Substances

**Composition Comments:** The components are not hazardous or are below required disclosure limits.

## 4. First-aid measures

<b>Ingestion:</b>	Rinse nose, mouth and throat with water. Contact physician if larger quantity has been consumed. Due to the small packaging the risk of ingestion is minimal.
<b>Inhalation:</b>	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues. Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
<b>Skin Contact:</b>	Wash skin with soap and water. Get medical attention if irritation persists after washing. Due to the small packaging the risk of skin contact is minimal.
<b>Eye contact:</b>	Rinse immediately with plenty of water. Make sure to remove any contact lenses from the eyes before rinsing. Get medical attention promptly if symptoms occur after washing. Due to the small packaging the risk of eye contact is minimal.

### Most important symptoms/effects, acute and delayed

**Symptoms:** No data available.

### Indication of immediate medical attention and special treatment needed



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**Treatment:** No data available.

## 5. Fire-fighting measures

**General Fire Hazards:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Water spray, fog, CO<sub>2</sub>, dry chemical, or alcohol resistant foam.

**Unsuitable extinguishing media:** None known.

**Specific hazards arising from the chemical:** None known.

### Special protective equipment and precautions for firefighters

**Special fire fighting procedures:** No unusual fire or explosion hazards noted.

**Special protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** No special precautionary health measures should be needed under anticipated conditions of use.

**Methods and material for containment and cleaning up:** Sweep or scoop up and remove. Avoid dust formation.

**Environmental Precautions:** Do not release into the environment.

## 7. Handling and storage

**Precautions for safe handling:** Wear necessary protective equipment.

**Conditions for safe storage, including any incompatibilities:** Keep containers tightly closed. Keep the container in a safe place. Keep in a cool, well-ventilated place.



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## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

None of the components have assigned exposure limits.

#### Appropriate Engineering Controls

Observe good industrial hygiene practices. Low hazard for recommended handling by trained personnel.

### Individual protection measures, such as personal protective equipment

**General information:** Low hazard for recommended handling by trained personnel. No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

**Eye/face protection:** Avoid contact with eyes and prolonged skin contact. Protective gloves and goggles must be used if there is a risk of direct contact or splash.

#### Skin Protection

**Hand Protection:** Use suitable protective gloves if risk of skin contact.

**Other:** No data available.

**Respiratory Protection:** Avoid breathing dust.

**Hygiene measures:** Observe good industrial hygiene practices.

## 9. Physical and chemical properties

### Appearance

**Physical state:** solid

**Form:** Powder

**Color:** White

**Odor:** Odorless

**Odor threshold:** No data available.

**pH:** No data available.

**Melting point/freezing point:** The physical-chemical properties of this material have not been fully investigated.

**Initial boiling point and boiling range:** The physical-chemical properties of this material have not been fully investigated.

**Flash Point:** not applicable

**Evaporation rate:** No data available.

**Flammability (solid, gas):** No data available.

#### Upper/lower limit on flammability or explosive limits

**Flammability limit - upper (%):** No data available.

**Flammability limit - lower (%):** No data available.

**Explosive limit - upper (%):** No data available.



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<b>Explosive limit - lower (%):</b>	No data available.
<b>Vapor pressure:</b>	The physical-chemical properties of this material have not been fully investigated.
<b>Vapor density:</b>	No data available.
<b>Relative density:</b>	The physical-chemical properties of this material have not been fully investigated.
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	The physical-chemical properties of this material have not been fully investigated.
<b>Solubility (other):</b>	not applicable
<b>Partition coefficient (n-octanol/water):</b>	The physical-chemical properties of this material have not been fully investigated.
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	Not determined.

## 10. Stability and reactivity

<b>Reactivity:</b>	Stable under normal temperature conditions and recommended use.
<b>Chemical Stability:</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	Material is stable under normal conditions.
<b>Conditions to avoid:</b>	Avoid conditions which create dust.
<b>Incompatible Materials:</b>	Strong oxidizers.
<b>Hazardous Decomposition Products:</b>	Material is stable under normal conditions.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Ingestion:</b>	Due to the small packaging the risk of ingestion is minimal.
<b>Inhalation:</b>	None under normal conditions. Dust may irritate respiratory system.
<b>Skin Contact:</b>	Skin contact may cause: Skin irritation.
<b>Eye contact:</b>	May irritate eyes. Due to the small packaging the risk of eye contact is minimal.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Ingestion:</b>	However, ingestion may cause nausea, headache, dizziness and intoxication.
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**Inhalation:** No specific symptoms noted.  
**Skin Contact:** Skin irritation is not anticipated when used normally.  
**Eye contact:** May cause minor irritation on eye contact.

**Information on toxicological effects**

**Acute toxicity (list all possible routes of exposure)**

**Oral**  
**Product:** No data available.

**Dermal**  
**Product:** No data available.

**Inhalation**  
**Product:** No data available.

**Repeated dose toxicity**  
**Product:** No data available.

**Skin Corrosion/Irritation**  
**Product:** May cause skin irritation.

**Serious Eye Damage/Eye Irritation**  
**Product:** No data available.

**Respiratory or Skin Sensitization**  
**Product:** Not known.

**Carcinogenicity**  
**Product:** No data available.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**  
No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens:**  
No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**  
No carcinogenic components identified



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### **Germ Cell Mutagenicity**

**In vitro**  
**Product:** No data available.

**In vivo**  
**Product:** No data available.

**Reproductive toxicity**  
**Product:** No data available.

**Specific Target Organ Toxicity - Single Exposure**  
**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**  
**Product:** No data available.

**Aspiration Hazard**  
**Product:** No data available.

**Other effects:** No data available.

## **12. Ecological information**

### **Ecotoxicity:**

#### **Acute hazards to the aquatic environment:**

**Fish**  
**Product:** No data available.

**Aquatic Invertebrates**  
**Product:** No data available.

#### **Chronic hazards to the aquatic environment:**

**Fish**  
**Product:** No data available.

**Aquatic Invertebrates**  
**Product:** No data available.

**Toxicity to Aquatic Plants**  
**Product:** No data available.



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### Persistence and Degradability

**Biodegradation**  
**Product:** No data available.

**BOD/COD Ratio**  
**Product:** No data available.

### Bioaccumulative potential Bioconcentration Factor (BCF)

**Product:** No data available.

### Partition Coefficient n-octanol / water (log Kow)

**Product:** Log Kow: The physical-chemical properties of this material have not been fully investigated.

**Mobility in soil:** No data available.

### Known or predicted distribution to environmental compartments

**Other adverse effects:** No data on possible environmental effects have been found. Not relevant considering the small amounts used.

## 13. Disposal considerations

**Disposal instructions:** Dispose of waste and residues in accordance with local authority requirements.

**Contaminated Packaging:** No data available.

## 14. Transport information

**DOTUN Number:** Not regulated.  
**UN Proper Shipping Name:** Not regulated.  
**Transport Hazard Class(es)**  
  **Class:** Not regulated.  
  **Label(s):** Not regulated.  
**Packing Group:** Not regulated.  
**Marine Pollutant:** Not regulated.  
**Limited quantity** Not regulated.  
**Excepted quantity** Not regulated.  
  
**Special precautions for user:** Not regulated.





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**IMDG**

UN Number: Not regulated.  
UN Proper Shipping Name: Not regulated.  
Transport Hazard Class(es)  
Class: Not regulated.  
Subsidiary risk: Not regulated.  
EmS No.: Not regulated.  
Packing Group: Not regulated.  
Environmental Hazards  
Marine Pollutant: Not regulated.  
  
Special precautions for user: Not regulated.

**IATA**

UN Number: Not regulated.  
Proper Shipping Name: Not regulated.  
Transport Hazard Class(es):  
Class: Not regulated.  
Subsidiary risk: Not regulated.  
Packing Group: Not regulated.  
Environmental Hazards  
Marine pollutant: Not regulated.  
  
Special precautions for user: Not regulated.

**15. Regulatory information**

**US Federal Regulations**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

None present or none present in regulated quantities.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Not classified  
Not classified

**SARA 302 Extremely Hazardous Substance**

None present or none present in regulated quantities.

**SARA 304 Emergency Release Notification**

None present or none present in regulated quantities.



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**SARA 311/312 Hazardous Chemical**

None present or none present in regulated quantities.

**SARA 313 (TRI Reporting)**

None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities.

**US State Regulations**

**US. California Proposition 65**

No ingredient regulated by CA Prop 65 present.

**US. New Jersey Worker and Community Right-to-Know Act**

No ingredient regulated by NJ Right-to-Know Law present.

**US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

**US. Pennsylvania RTK - Hazardous Substances**

No ingredient regulated by PA Right-to-Know Law present.

**US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.

**16. Other information, including date of preparation or last revision**

**Issue Date:** 03/21/2018

**Version #:** 12.1

**Revision Information:**

**Further Information:** This material is not considered hazardous by the OSHA Hazard Communication Standard, OSHA 29 CFR 1910.1200.



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