



**Becton, Dickinson and Company**  
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07417 USA  
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# SAFETY DATA SHEET

## 1. Identification

### Product identifier

Product No.:	Product name:	Common name(s), synonym(s)
211363	Bottle Lysine Iron Agar BBL 500G	

### Other means of identification

**SDS number:** 088100178449

### Recommended use and restriction on use

**Recommended use:** Laboratory Chemicals

**Restrictions on use:** None known.

### Manufacturer/Importer/Supplier/Distributor Information

#### Manufacturer

**Company Name:** BD Diagnostic Systems  
**Address:** 7 Loveton Circle  
21152 Sparks, MD USA  
**Telephone:** 1 410 771 0100 or 1 800 638 8663  
**Fax:**  
**Contact Person:** Tech Services

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

## 2. Hazard(s) identification

### Hazard Classification

Not classified

### Label Elements

**Hazard Symbol:** No symbol  
**Signal Word:** No signal word.  
**Hazard Statement:** Not applicable  
**Precautionary Statements:** Not applicable

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

## 3. Composition/information on ingredients



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## Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Ammonium iron(III) citrate		1185-57-5	1.5083%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First-aid measures

<b>General information:</b>	Get medical attention if symptoms occur.
<b>Ingestion:</b>	Get medical attention if symptoms occur.
<b>Inhalation:</b>	Provide fresh air, warmth and rest, preferably in comfortable upright sitting position.
<b>Skin Contact:</b>	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.
<b>Eye contact:</b>	Flush thoroughly with water. If irritation occurs, get medical assistance.

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

**Symptoms:** No data available.

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

**Treatment:** No data available.

## 5. Fire-fighting measures

**General Fire Hazards:** Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Use water spray to keep fire-exposed containers cool.

### 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.



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**Special protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**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:** No specific clean-up procedure noted.

**Environmental Precautions:** Avoid release to the environment.

**7. Handling and storage**

**Precautions for safe handling:** When using do not eat, drink or smoke. Read and follow manufacturer's recommendations. Use personal protective equipment as required.

**Conditions for safe storage, including any incompatibilities:** Store in a cool, dry place. Keep container tightly closed.

**8. Exposure controls/personal protection**

**Control Parameters**

**Occupational Exposure Limits**

Chemical Identity	Type	Exposure Limit Values	Source
Ammonium iron(III) citrate - as Fe	TWA	1 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	1 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
Ammonium iron(III) citrate	ST ESL	10 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (12 2010)
	AN ESL	1 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (12 2010)
Ammonium iron(III) citrate - as Fe	TWA PEL	1 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (08 2010)
	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (12 2010)
	REL	1 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)

**Appropriate Engineering Controls** No special requirements under ordinary conditions of use and with adequate ventilation.



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

<b>General information:</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.
<b>Eye/face protection:</b>	Wear safety glasses with side shields (or goggles).
<b>Skin Protection</b>	
<b>Hand Protection:</b>	Chemical resistant gloves Suitable gloves can be recommended by the glove supplier. Wash hands after contact.
<b>Other:</b>	Wear a lab coat or similar protective clothing.
<b>Respiratory Protection:</b>	Respiratory protection not required.
<b>Hygiene measures:</b>	Observe good industrial hygiene practices.

## 9. Physical and chemical properties

### Appearance

<b>Physical state:</b>	solid
<b>Form:</b>	Solid or Flake
<b>Color:</b>	Tan
<b>Odor:</b>	No data available.
<b>Odor threshold:</b>	No data available.
<b>pH:</b>	No data available.
<b>Melting point/freezing point:</b>	No data available.
<b>Initial boiling point and boiling range:</b>	No data available.
<b>Flash Point:</b>	Not applicable
<b>Evaporation rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Flammability limit - upper (%):</b>	No data available.
<b>Flammability limit - lower (%):</b>	No data available.
<b>Explosive limit - upper (%):</b>	No data available.
<b>Explosive limit - lower (%):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	Completely Soluble
<b>Solubility (other):</b>	Water.: No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.



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**Auto-ignition temperature:** No data available.  
**Decomposition temperature:** No data available.  
**Viscosity:** Not determined.

## 10. Stability and reactivity

**Reactivity:** Stable under normal temperature conditions and recommended use.  
**Chemical Stability:** Material is stable under normal conditions.  
**Possibility of hazardous reactions:** Not known.  
**Conditions to avoid:** Avoid exposure to high temperatures or direct sunlight.  
**Incompatible Materials:** Strong oxidizers.  
**Hazardous Decomposition Products:** Not known.

## 11. Toxicological information

**General information:** No data on possible toxicity effects have been found.

### Information on likely routes of exposure

**Ingestion:** No harmful effects expected in amounts likely to be ingested by accident.  
**Inhalation:** Limited inhalation hazard at normal work temperatures.  
**Skin Contact:** Negligible irritation to skin at ambient temperatures.  
**Eye contact:** Do not get in eyes.

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

**Ingestion:** No data available.  
**Inhalation:** No data available.  
**Skin Contact:** No data available.  
**Eye contact:** No data available.

### Information on toxicological effects

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

**Oral Product:** No data available.



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

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

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

**Skin Corrosion/Irritation**  
**Product:** No data available.

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

**Respiratory or Skin Sensitization**  
**Product:** No data available.

**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

**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.



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**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Aspiration Hazard**

**Product:** No data available.

**Other effects:** None known.

**12. Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** No negative effects on the aquatic environment are known.

**Aquatic Invertebrates**

**Product:** No negative effects on the aquatic environment are known.

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No negative effects on the aquatic environment are known.

**Aquatic Invertebrates**

**Product:** No negative effects on the aquatic environment are known.

**Toxicity to Aquatic Plants**

**Product:** No negative effects on the aquatic environment are known.

**Persistence and Degradability**

**Biodegradation**

**Product:** Expected to be readily biodegradable.

**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: No data available.



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

**Known or predicted distribution to environmental compartments**

Ammonium iron(III) citrate No data available.

**Other adverse effects:** The product is not expected to be hazardous to the environment.

**13. Disposal considerations**

**General information:** Dispose of waste and residues in accordance with local authority requirements.

**Disposal instructions:** No specific disposal method required.

**Contaminated Packaging:** No data available.

**14. Transport information**

Special precautions for user: Not regulated.

Special precautions for user: 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):**

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Ammonium iron(III) citrate	1000 lbs.

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

**Hazard categories**

Not classified  
Not classified





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**SARA 302 Extremely Hazardous Substance**

None present or none present in regulated quantities.

**SARA 304 Emergency Release Notification**

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Ammonium iron(III) citrate	1000 lbs.

**SARA 311/312 Hazardous Chemical**

<u>Chemical Identity</u>	<u>Threshold Planning Quantity</u>
Ammonium iron(III) citrate	10000 lbs

**SARA 313 (TRI Reporting)**

None present or none present in regulated quantities.

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

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Ammonium iron(III) citrate	Reportable quantity: 1000 lbs.

**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**

<u>Chemical Identity</u>
Ammonium iron(III) citrate

**US. Massachusetts RTK - Substance List**

<u>Chemical Identity</u>
Ammonium iron(III) citrate

**US. Pennsylvania RTK - Hazardous Substances**

<u>Chemical Identity</u>
Ammonium iron(III) citrate

**US. Rhode Island RTK**

<u>Chemical Identity</u>
Ammonium iron(III) citrate

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

**Issue Date:** 07/23/2018

**Version #:** 1.1



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**Revision Information:** No data available.

**Further Information:** No data available.

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