

# SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

# 1. Identification

# **Product identifier**

Product No.:	Product name:	Common name(s), synonym(s)
211578	Bottle SIM Medium BBL 500G	No data available

# **Recommended restrictions**

**Recommended use:** Laboratory Chemicals **Restrictions on use:** None known.

# Manufacturer/Importer/Distributor Information

### Manufacturer

Company Name:	BD, Integrated Diagnostic Solutions
Address:	7 Loveton Circle
	Sparks, MD 21152
	USA

Telephone:	1 844 823 5433
Fax:	not available
Contact Person:	Tech Services

Emergency telephone number: CHEMTREC 1 800 424 9300

# 2. Hazard(s) identification

# Hazard Classification

Not classified

# **Label Elements**

not result in GHS classification:

SDS US

Hazard Symbol:	No symbol
Signal Word: Hazard Statement: Precautionary Statements	No signal word. Not applicable Not applicable
Other hazards which do	None.



# 3. Composition/information on ingredients

### **Mixtures**

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Ammonium iron(III) citrate	No data available.	1185-57-5	0.8194%
Zinc sulphate	No data available.	7446-20-0	0.1967%

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

# 4. First-aid measures

scription of necessary first-aid meas	sures
General information:	Get medical attention if symptoms occur.
Inhalation:	Provide fresh air, warmth and rest, preferably in comfortable upright sitting position.
Skin Contact:	Wash contact areas with soap and water. Remove contaminat clothing. Launder contaminated clothing before reuse.
Eye contact:	Flush thoroughly with water. If irritation occurs, get medical assistance.
Ingestion:	Get medical attention if symptoms occur.
Personal Protection for First-aid Responders:	No data available.
Most important symptoms and effe	ects, both acute and delayed
Symptoms:	No data available.
Hazards:	No data available.
lication of immediate medical attenti	on 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) extinguishi Suitable extinguishing media:	ing media Water spray, fog, CO2, dry chemical, or alcohol resistant foam.
Unsuitable extinguishing media:	None known.
Special hazards arising from the substance or mixture:	None known.
Special protective equipment and pro	ecautions for firefighters
Special fire fighting procedures:	No unusual fire or explosion hazards noted.
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.
Accidental release measures: Methods and material for containment and cleaning up:	No data available. No specific clean-up procedure noted.
Environmental Precautions:	Avoid release to the environment.

# 7. Handling and storage

# Handling

Technical measures (e.g. Local and general ventilation):	No special requirements under ordinary conditions of use and with adequate ventilation.
Safe handling advice:	When using do not eat, drink or smoke. Read and follow manufacturer's recommendations. Use personal protective equipment as required.
Contact avoidance measures:	No data available.
Storage	



Store in a cool, dry place. Keep container tightly closed.

Safe packaging materials:

Safe storage conditions:

No data available.

# 8. Exposure controls/personal protection

# Control Parameters Occupational Exposure Limits

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

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

# **Biological Limit Values**

No biological exposure limits noted for the ingredient(s).

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

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

Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Material: Chemical resistant gloves
Skin and Body Protection:	Wear a lab coat or similar protective clothing.
Respiratory Protection:	Respiratory protection not required.



# Hygiene measures:

Observe good industrial hygiene practices.

# 9. Physical and chemical properties

Information on basic physical and che Appearance	emical properties	
Physical state:	solid	
Form:	solid	
Color:	According to product specification.	
Odor:	Characteristic	
Odor Threshold:	No data available.	
Melting Point:	No data available.	
Boiling Point:	No data available.	
Elammability	No data available.	
Flammability: Upper/lower limit on flammability or explosive limits		
Explosive limit - upper:	No data available.	
Explosive limit - lower:	No data available.	
Flash Point:	Not applicable	
Self Ignition Temperature:	No data available.	
Decomposition Temperature:	No data available.	
pH:	No data available.	
Viscosity		
Dynamic viscosity:	Not determined.	
Kinematic viscosity:	Not determined.	
Flow Time:	No data available.	
Solubility(ies)		
Solubility in Water:	Completely Soluble	
Solubility (other):	No data available.	
Partition coefficient (n- octanol/water):	No data available.	
Vapor pressure:	No data available.	
Relative density:	No data available.	
Density:	No data available.	
Bulk density:	No data available.	
Vapor density (air=1):	No data available.	

Particle characteristics Particle Size: Particle Size Distribution:

No data available. No data available.



Specific surface area:	No data available.
Surface charge/Zeta potential:	No data available.
Shape:	No data available.
Crystallinity:	No data available.
Surface treatment:	No data available.
Other information	
Metal Corrosion:	Non-corrosive per US Department of Transportation testing protocol.
10. Stability and reactivity	
Reactivity:	Material is stable under normal conditions.
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	Not known.

# 11. Toxicological information

Products:

# Information on toxicological effects

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

Information on likely routes of exposure

Acute toxicity (list all possible routes of exposure)

Oral Product:	Not classified for acute toxicity based on available data.
Components:	
G	



Ammonium iron(III) citrate Zinc sulphate	No data available. No data available.
Dermal Product: Components: Ammonium iron(III) citrate Zinc sulphate	Not classified for acute toxicity based on available data. No data available. No data available.
Inhalation Product: Components: Ammonium iron(III) citrate Zinc sulphate	Not classified for acute toxicity based on available data. No data available. No data available.
Repeated dose toxicity Product: Components: Ammonium iron(III) citrate Zinc sulphate	No data available. No data available. No data available.
Skin Corrosion/Irritation Product: Components: Ammonium iron(III) citrate Zinc sulphate	No data available. No data available. No data available.
Serious Eye Damage/Eye Irri Product: Components: Ammonium iron(III) citrate Zinc sulphate	No data available.
Respiratory or Skin Sensitiza Product: Components: Ammonium iron(III) citrate Zinc sulphate Carcinogenicity Product: Components: Ammonium iron(III) citrate Zinc sulphate	No data available. No data available. No data available. No data available.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:** No carcinogens present or none present in regulated quantities

# ACGIH: US.ACGIH Threshold Limit Values:

No carcinogens present or none present in regulated quantities



# US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogens present or none present in regulated quantities

# US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

No carcinogens present or none present in regulated quantities

# **Germ Cell Mutagenicity**

In vitro Product: Components: Ammonium iron(III) citrate Zinc sulphate	No data available. No data available. No data available.
In vivo Product:	No data available.
Components: Ammonium iron(III) citrate Zinc sulphate Reproductive toxicity	No data available. No data available.
Product: Components:	No data available.
Ammonium iron(III) citrate Zinc sulphate	No data available. No data available.
Specific Target Organ Toxici Product: Components:	<b>ty - Single Exposure</b> No data available.
Ammonium iron(III) citrate Zinc sulphate	No data available. No data available.
Specific Target Organ Toxici Product: Components:	<b>ty - Repeated Exposure</b> No data available.
Ammonium iron(III) citrate Zinc sulphate	No data available. No data available.
Aspiration Hazard Product:	No data available.
Components: Ammonium iron(III) citrate Zinc sulphate	No data available. No data available.
Information on health hazards	i

# Other hazards

No data available.



# 12. Ecological information

# Ecotoxicity: Acute hazards to the aquatic environment:

Fish Product: Components:	No data available.
Ammonium iron(III) citrate	No data available.
Zinc sulphate	LC 50 (Rainbow trout,donaldson trout (Oncorhynchus mykiss), 96 h): 0.103 mg/l Mortality
Aquatic Invertebrates Product: Components:	No data available.
Ammonium iron(III) citrate	No data available.
Zinc sulphate	No data available.
Toxicity to Aquatic Plants Product: Components:	No data available.
Ammonium iron(III) citrate Zinc sulphate	No data available. No data available.
Toxicity to microorganisms Product: Components:	No data available.
Ammonium iron(III) citrate Zinc sulphate	No data available. No data available.
Chronic hazards to the aqua	tic environment:
Fish Product:	No data available.
Components:	
Ammonium iron(III) citrate	No data available.
Zinc sulphate	No data available.
Aquatic Invertebrates Product: Components:	No data available.
Ammonium iron(III) citrate	No data available.
Zinc sulphate	No data available.
Toxicity to Aquatic Plants Product:	No data available.



### **Components:**

Ammonium iron(III) citrate	No data available.
Zinc sulphate	No data available.

Toxicity to microorganisms	
Product:	No data available.
Components:	
Ammonium iron(III) citrate	No data available.
Zinc sulphate	No data available.

# Persistence and Degradability

# Biodegradation

Product:	No data available.
Components:	
Ammonium iron(III) citrate	No data available.
Zinc sulphate	No data available.

# **BOD/COD** Ratio

Product: Components:	No data available.
Ammonium iron(III) citrate	No data available.
Zinc sulphate	No data available.

# **Bioaccumulative potential**

Bioconcentration Factor (BCF)		
Product:	No data available.	
Components:		
Ammonium iron(III) citrate	No data available.	
Zinc sulphate	No data available.	

# Partition Coefficient n-octanol / water (log Kow)Product:No data available.Components:No data available.Ammonium iron(III) citrateNo data available.Zinc sulphateNo data available.

# Mobility in soil:

Product	No data available.
Components:	
Ammonium iron(III) citrate	No data available.
Zinc sulphate	No data available.

### Results of PBT and vPvB assessment:

Product	No data available.
Components:	
Ammonium iron(III) citrate	No data available.
Zinc sulphate	No data available.



#### Other adverse effects: Other hazards Product: No data available. 13. Disposal considerations General information: Dispose of waste and residues in accordance with local authority requirements. **Disposal methods:** No specific disposal method required. Contaminated Dispose of contents/container to an appropriate treatment and disposal Packaging: facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. 14. Transport information **DOT**UN number or ID number: Not regulated. UN Proper Shipping Name: Not regulated. Transport Hazard Class(es) Class: Not regulated. Not regulated. Label(s): Packing Group: Not regulated. Marine Pollutant: Not regulated. Not regulated. Limited quantity Excepted quantity Not regulated. Special precautions for user: Not regulated. IMDG UN number or ID 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.



# ΙΑΤΑ

UN number or ID number: Proper Shipping Name: Transport Hazard Class(es):	Not regulated. Not regulated.
Class: Subsidiary risk:	Not regulated. Not regulated.
Packing Group: Environmental Hazards	Not regulated.
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. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

# US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended None present or none present in regulated quantities.

# CERCLA Hazardous Substance List (40 CFR 302.4):

### Chemical Identity

Ammonium iron(III) citrate Zinc sulphate

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

Hazard categories Not classified

# US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

None present or none present in regulated quantities.

- US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting 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.



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

# Chemical Identity

Ammonium iron(III) citrate Zinc sulphate

# **US State Regulations**

# **US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

### 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.

# International regulations

Montreal protocol Not applicable

### Stockholm convention

Not applicable

# Rotterdam convention

Not applicable

### Kyoto protocol Not applicable

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

Issue Date:	05/24/2022
Version #:	2.1
Further Information:	No data available.



# **Disclaimer:**

# Disclaimer:

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