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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) |
|---|---|---|
| 210950 | Bottle Sabouraud Dextrose Agar 500G | |

**Other means of identification**
**SDS number:** 088100176454

**Recommended use and restriction on use**
**Recommended use:** Laboratory Chemicals
Laboratory Chemicals
**Restrictions on use:** None known. 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 (%)* |
|---|---|---|---|
| Sulfuric acid copper(2+) salt (1:1) | | 7758-98-7 | 0.0008% |

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

## 4. First-aid measures

**General information:** Get medical attention if symptoms occur.

**Ingestion:** 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 contaminated clothing. Launder contaminated clothing before reuse.

**Eye contact:** 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, CO2, 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**

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| | |
|---|---|
| **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. |
| **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 |
|---|---|---|---|
| Sulfuric acid copper(2+) salt (1:1) - Dust. | AN ESL | 1 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (12 2010) |
| | ST ESL | 10 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (12 2010) |
| Sulfuric acid copper(2+) salt (1:1) - Dust and mist. - as Cu | 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 (03 2014) |
| Sulfuric acid copper(2+) salt (1:1) - Fume. - as Cu | TWA | 0.2 mg/m3 | US. ACGIH Threshold Limit Values (03 2014) |
| Sulfuric acid copper(2+) salt (1:1) - Dust and mist. - as Cu | REL | 1 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2005) |
| Sulfuric acid copper(2+) salt (1:1) - Fume. - as Cu | REL | 0.1 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2016) |

| | |
|---|---|
| **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**

| | |
|---|---|
| **General information:** | 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. |
| **Eye/face protection:** | Wear safety glasses with side shields (or goggles). |
| **Skin Protection** | |
| **Hand Protection:** | Chemical resistant gloves Suitable gloves can be recommended by the glove supplier. Wash hands after contact. |
| **Other:** | 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

**Appearance**

| | |
|---|---|
| **Physical state:** | solid |
| **Form:** | Solid or Flake |
| **Color:** | Red |
| **Odor:** | No data available. |
| **Odor threshold:** | No data available. |
| **pH:** | No data available. |
| **Melting point/freezing point:** | No data available. |
| **Initial boiling point and boiling range:** | No data available. |
| **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. |
| **Explosive limit - lower (%):** | No data available. |
| **Vapor pressure:** | No data available. |
| **Vapor density:** | No data available. |
| **Relative density:** | No data available. |
| **Solubility(ies)** | |
| **Solubility in water:** | Completely Soluble |
| **Solubility (other):** | Water.: No data available. |
| **Partition coefficient (n-octanol/water):** | 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.

**Specified substance(s):**

| | |
|---|---|
| Sulfuric acid copper(2+) salt (1:1) | NOAEL (Rat(Female, Male), Oral, 92 d): 1,000 ppm(m) Oral Experimental result, Key study<br>LOAEL (Rat(Female, Male), Oral, 92 d): 2,000 ppm(m) Oral Experimental result, Key study<br>LOAEL (Rat(Female, Male), Inhalation): 0.2 mg/m3 Inhalation Experimental result, Key study<br>LOAEL (Mouse(Female, Male), Oral, 92 d): 2,000 ppm(m) Oral Experimental result, Key study<br>NOAEL (Mouse(Female, Male), Oral, 92 d): 1,000 ppm(m) Oral Experimental result, Key study |

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

**Specified substance(s):**

| | |
|---|---|
| Sulfuric acid copper(2+) salt (1:1) | in vivo (Rabbit): Not irritant Experimental result, Key study |

**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

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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:** 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**

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

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

**Bioaccumulative potential**
**Bioconcentration Factor (BCF)**
**Product:** No data available.

**Specified substance(s):**
Sulfuric acid copper(2+) salt (1:1): Eisenia andrei, Bioconcentration Factor (BCF): 0.3 - 1 Terrestrial Experimental result, Weight of Evidence study

**Partition Coefficient n-octanol / water (log Kow)**
**Product:** Log Kow: No data available.

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

**Known or predicted distribution to environmental compartments**
Sulfuric acid copper(2+) salt (1:1): 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

| | |
|---|---|
| **DOT**UN 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):**

| Chemical Identity | Reportable quantity |
|---|---|
| Sulfuric acid copper(2+) salt (1:1) | 10 lbs. |

**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.

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**SARA 304 Emergency Release Notification**

| Chemical Identity | Reportable quantity |
|---|---|
| Sulfuric acid copper(2+) salt (1:1) | 10 lbs. |

**SARA 311/312 Hazardous Chemical**

| Chemical Identity | Threshold Planning Quantity |
|---|---|
| Sulfuric acid copper(2+) salt (1:1) | 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)**

| Chemical Identity | Reportable quantity |
|---|---|
| Sulfuric acid copper(2+) salt (1:1) | Reportable quantity: 10 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**

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:** | 07/05/2018 |
| **Version #:** | 1.1 |
| **Revision Information:** | No data available.<br>No data available. |
| **Further Information:** | No data available. |

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