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# SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

## 1. Identification

### Product identifier

Product No.:	Product name:	Common name(s), synonym(s)
231430	BD Difco™ EC Medium	No data available

### Other means of identification

**SDS number:** 088100178832

### 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

#### Health Hazards

Skin sensitizer

Category 1

### Label Elements

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**Hazard Symbol:**



**Signal Word:** Warning

**Hazard Statement:** H317: May cause an allergic skin reaction.

**Precautionary Statements**

**Prevention:** P261: Avoid breathing dust/fume/gas/mist/vapors/spray.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** P302+P352: IF ON SKIN: Wash with plenty of water.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P321: Specific treatment (see on this label).  
P362+P364: Take off contaminated clothing and wash it before reuse.

**Disposal:** P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**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 (%)*
Bile, extract	No data available.	8008-63-7	4.1%

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

The exact concentration has been withheld as a trade secret.

## 4. First-aid measures

### Description of necessary first-aid measures

- General information:** Get medical attention if symptoms occur.
- Inhalation:** Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Get medical attention if symptoms persist.
- Skin Contact:** Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if symptoms occur. Wash contaminated clothing before reuse.
- Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention promptly if symptoms occur after washing.
- Ingestion:** If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Get medical attention immediately.
- Personal Protection for First-aid Responders:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

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

- Symptoms:** Symptoms may be delayed.



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**Hazards:** May cause an allergic skin reaction.

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

**Treatment:** Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.

**5. Fire-fighting measures**

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

**Suitable (and unsuitable) extinguishing media**

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

**Unsuitable extinguishing media:** Avoid water in straight hose stream; will scatter and spread fire.

**Specific hazards arising from the chemical:** Fire or excessive heat may produce hazardous decomposition products.

**Special protective equipment and precautions for firefighters**

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

**Special protective equipment for firefighters:** 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**



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<b>Personal precautions, protective equipment and emergency procedures:</b>	Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. Contact local authorities in case of spillage to drain/aquatic environment.
<b>Methods and material for containment and cleaning up:</b>	Stop leak if possible without any risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Collect for salvage or disposal. Prevent runoff from entering drains, sewers, or streams. Report spills as required to appropriate authorities. See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.
<b>Environmental Precautions:</b>	Avoid release to the environment.

**7. Handling and storage**

**Handling**

<b>Technical measures (e.g. Local and general ventilation):</b>	Adequate ventilation should be provided whenever the material is heated or mists are generated.
<b>Safe handling advice:</b>	Wash promptly with soap and water if skin becomes contaminated. When using do not eat, drink or smoke. Read and follow manufacturer's recommendations. Use personal protective equipment as required.
<b>Contact avoidance measures:</b>	No data available.

**Storage**

<b>Safe storage conditions:</b>	Store in tightly closed original container in a dry, cool and well-ventilated place.
<b>Safe packaging materials:</b>	No data available.

**8. Exposure controls/personal protection**

**Control Parameters**

**Occupational Exposure Limits**

None of the components have assigned exposure limits.



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**Appropriate Engineering Controls** Adequate ventilation should be provided whenever the material is heated or mists are generated.

**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:** Use suitable protective gloves if risk of skin contact.
  - Other:** Wear appropriate clothing to prevent repeated or prolonged skin contact.
- Respiratory Protection:** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
- Hygiene measures:** Do not eat, drink or smoke when using the product. Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Avoid contact with skin.

**9. Physical and chemical properties**

**Information on basic physical and chemical properties**

**Appearance**

- Physical state:** solid
- Form:** solid
- Color:** According to product specification.
- Odor:** Characteristic
- Odor Threshold:** No data available.
- Melting Point:** No data available.



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<b>Boiling Point:</b>	No data available.
<b>Flammability:</b>	Not applicable
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Explosive limit - upper:</b>	Not applicable
<b>Explosive limit - lower:</b>	Not applicable
<b>Flash Point:</b>	Not applicable
<b>Self Ignition Temperature:</b>	Not determined.
<b>Decomposition Temperature:</b>	Not applicable
<b>pH:</b>	No data available.
<b>Viscosity</b>	
<b>Dynamic viscosity:</b>	Not determined.
<b>Kinematic viscosity:</b>	Not determined.
<b>Flow Time:</b>	Not applicable
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Completely Soluble
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Density:</b>	No data available.
<b>Bulk density:</b>	Not applicable
<b>Vapor density (air=1):</b>	Not applicable
<b>Particle characteristics</b>	
<b>Particle Size:</b>	Not applicable
<b>Particle Size Distribution:</b>	Not applicable
<b>Specific surface area:</b>	Not applicable
<b>Surface charge/Zeta potential:</b>	Not applicable
<b>Assessment:</b>	Not applicable
<b>Shape:</b>	Not applicable
<b>Crystallinity:</b>	Not applicable
<b>Surface treatment:</b>	Not applicable

**Other information**

<b>Metal Corrosion:</b>	Non-corrosive per US Department of Transportation testing protocol.
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## 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	No data available.
<b>Possibility of hazardous reactions:</b>	None under normal conditions.
<b>Conditions to avoid:</b>	Avoid exposure to high temperatures or direct sunlight.
<b>Incompatible Materials:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	By heating and fire, harmful vapors/gases may be formed.

## 11. Toxicological information

<b>General information:</b>	May cause allergic skin reaction based on human experience.
<b>Information on likely routes of exposure</b>	
<b>Inhalation:</b>	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
<b>Skin Contact:</b>	Prolonged or repeated contact may cause skin sensitization in susceptible individuals.
<b>Eye contact:</b>	Avoid contact with eyes.
<b>Ingestion:</b>	Ingestion may cause irritation and malaise.

### Information on toxicological effects

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

<b>Oral</b>	
<b>Product:</b>	No data available.
<b>Components:</b>	
Bile, extract	No data available.





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**Dermal**

**Product:** No data available.

**Components:**  
Bile, extract No data available.

**Inhalation**

**Product:** No data available.

**Components:**  
Bile, extract

**Repeated dose toxicity**

**Product:** No data available.

**Components:**  
Bile, extract No data available.

**Skin Corrosion/Irritation**

**Product:** No data available.

**Components:**  
Bile, extract No data available.

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Components:**  
Bile, extract No data available.

**Respiratory or Skin Sensitization**

**Product:** No data available.

**Components:**  
Bile, extract No data available.

**Carcinogenicity**

**Product:** No data available.

**Components:**  
Bile, extract 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



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**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:** No data available.

**Components:**  
Bile, extract No data available.

**In vivo**

**Product:** No data available.

**Components:**  
Bile, extract No data available.

**Reproductive toxicity**

**Product:** No data available.

**Components:**  
Bile, extract No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Components:**  
Bile, extract No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Components:**  
Bile, extract No data available.

**Aspiration Hazard**

**Product:** No data available.

**Components:**  
Bile, extract No data available.

**Information on health hazards**

**Other hazards**

**Product:** No data available.

**12. Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**



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**Fish**

**Product:** No data available.

**Components:**  
Bile, extract No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Components:**  
Bile, extract No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Components:**  
Bile, extract No data available.

**Toxicity to microorganisms**

**Product:** No data available.

**Components:**  
Bile, extract No data available.

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Components:**  
Bile, extract No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Components:**  
Bile, extract No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Components:**  
Bile, extract No data available.

**Toxicity to microorganisms**

**Product:** No data available.

**Components:**  
Bile, extract No data available.

**Persistence and Degradability**

**Biodegradation**



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**Product:** No data available.  
**Components:**  
Bile, extract No data available.

**BOD/COD Ratio**  
**Product:** No data available.  
**Components:**  
Bile, extract No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**  
**Product:** No data available.  
**Components:**  
Bile, extract No data available.

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

**Mobility in soil:**

**Product** No data available.  
**Components:**  
Bile, extract No data available.

**Results of PBT and vPvB assessment:**

**Product** No data available.  
**Components:**  
Bile, extract No data available.

**Other adverse effects:**

**Other hazards**  
**Product:** No data available.  
**Components:**  
Bile, extract No data available.

**13. Disposal considerations**



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- General information:** Dispose of waste and residues in accordance with local authority requirements.
- Disposal methods:** Discharge, treatment, or disposal may be subject to national, state, or local laws.
- Since emptied containers retain product residue, follow label warnings even after container is emptied.
- 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.

#### 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.



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**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. 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):**  
None present or none present in regulated quantities.

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

**Hazard categories**  
Respiratory or Skin Sensitization

**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.



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**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required**

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)**

None present or none present in regulated quantities.

**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

<b>16. Other information, including date of preparation or last revision</b>
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**Issue Date:** 05/31/2021

**Version #:** 2.1

**Further Information:** No data available.

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