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# SAFETY DATA SHEET

## 1. Identification

### Product identifier

Product No.:	Product name:	Common name(s), synonym(s)
237500	Bacto™ Brain Heart Infusion	No data available

### Other means of identification

SDS number: 088100178578

### Recommended use and restriction on use

**Recommended use:** Laboratory Chemicals

**Restrictions on use:** None known.

### Manufacturer/Importer/Supplier/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

**Hazard Symbol:** No symbol

**Signal Word:** No signal word.

**Hazard Statement:** Not applicable



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**Precautionary Statements** Not applicable

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

### 3. Composition/information on ingredients

#### Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Sulfurous acid, sodium salt (1:1)	No data available.	7631-90-5	0.0666%

\* 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.



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## 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.

**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.



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## 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.

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

### Storage

**Safe storage conditions:** Store in a cool, dry place. Keep container tightly closed.

**Safe packaging materials:** No data available.

**Storage Temperature:** No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Sulfurous acid, sodium salt (1:1)	TWA	5 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
	TWA	5 mg/m <sup>3</sup>	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended (06 2008)
Sulfurous acid, sodium salt (1:1) - Particulate.	AN ESL	5 µg/m <sup>3</sup>	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (07 2011)
	ST ESL	50 µg/m <sup>3</sup>	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (07 2011)



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Sulfurous acid, sodium salt (1:1)	TWA PEL	5 mg/m <sup>3</sup>	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (08 2010)
	TWA	5 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values, as amended (12 2010)
	REL	5 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)

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

**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

**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  
**Color:** According to product specification.  
**Odor:** Characteristic  
**Odor threshold:** No data available.  
**pH:** No data available.  
**Melting point/freezing point:** No data available.



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<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>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<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>	Not known.
<b>Conditions to avoid:</b>	Avoid exposure to high temperatures or direct sunlight.
<b>Incompatible Materials:</b>	Strong oxidizers.



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**Hazardous Decomposition Products:** Not known.

## 11. Toxicological information

### Information on likely routes of exposure

**Ingestion:** No data available.

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

### 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:** ATEmix: 60,499.73 mg/kg

##### Dermal

**Product:** No data available.

##### Inhalation

**Product:** No data available.

##### Repeated dose toxicity

**Product:** No data available.



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**Specified substance(s):**

Sulfurous acid, sodium salt (1:1)      NOAEL (Rat, Oral, 1 - 2 yr): 0.05 %(m) Oral Experimental result, Supporting study  
NOAEL (Rat(female), Oral, 8 Weeks): 70 mg/kg Oral Read-across from supporting substance (structural analogue or surrogate), Supporting study  
NOAEL (Rat(Female, Male), Oral, 10 - 730 d): 108 mg/kg Oral Read-across from supporting substance (structural analogue or surrogate), Supporting study  
NOAEL (Rat(Female, Male), Oral, 21 - 104 Weeks): 108 mg/kg Oral Read-across from supporting substance (structural analogue or surrogate), Key study  
NOAEL (Pig(Female, Male), Oral, 48 Weeks): 0.35 %(m) Oral Read-across from supporting substance (structural analogue or surrogate), Supporting study

**Skin Corrosion/Irritation**

**Product:** No data available.

**Specified substance(s):**

Sulfurous acid, sodium salt (1:1)      in vivo (Rabbit): Not irritant Read-across from supporting substance (structural analogue or surrogate), 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





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

**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.

**Specified substance(s):**  
Sulfurous acid, LC 50 (Leuciscus idus, 96 h): > 215 - < 464 mg/l Read-across  
sodium salt (1:1) from supporting substance (structural analogue or surrogate), Key



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study  
LC 50 (Oncorhynchus mykiss, 96 h): 177.8 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study  
LC 50 (Leuciscus idus, 96 h): 316 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study  
LC 50 (Leuciscus idus, 96 h): 316 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study  
NOAEL (Leuciscus idus, 96 h): 215 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study

#### **Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s):**

Sulfurous acid, sodium salt (1:1) EC 100 (Daphnia magna, 48 h): 125 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study  
EC 50 (Daphnia magna, 48 h): 89 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study  
ED 0 (Daphnia magna, 48 h): 62.5 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study

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

##### **Fish**

**Product:** No data available.

**Specified substance(s):**

Sulfurous acid, sodium salt (1:1) NOAEL (Danio rerio, 34 d):  $\geq$  316 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study

#### **Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s):**



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Sulfurous acid,  
sodium salt (1:1)

NOAEL (Daphnia magna, 21 d): > 10 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study  
LC 0 (Daphnia magna, 21 d): > 10 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study

**Toxicity to Aquatic Plants**

**Product:** No data available.

**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:** No data available.

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

**Known or predicted distribution to environmental compartments**

Sulfurous acid, sodium salt (1:1) No data available.

**Other adverse effects:** No data available.



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### 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

- 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):**

##### **Chemical Identity**

SODIUM PHOSPHATE, DIBASIC  
SODIUM BISULFITE

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

##### **Hazard categories**

Not classified



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**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. 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)**

**Chemical Identity**

Phosphoric acid, sodium salt (1:2)

Sulfurous acid, sodium salt (1:1)

**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**

**Chemical Identity**

Phosphoric acid, sodium salt (1:2)

**US. Massachusetts RTK - Substance List**

**Chemical Identity**

Phosphoric acid, sodium salt (1:2)

**US. Pennsylvania RTK - Hazardous Substances**

**Chemical Identity**

Phosphoric acid, sodium salt (1:2)

**US. Rhode Island RTK**

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



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<b>16. Other information, including date of preparation or last revision</b>
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**Issue Date:** 04/26/2021

**Version #:** 2.1

**Revision Information:** No data available.

**Further Information:** No data available.

**Disclaimer:**  
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