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SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

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

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory Chemicals

Uses advised against: None known.

1.3 Details of the supplier of the safety data sheet

Manufacturer

BD, Integrated Diagnostic Solutions
11, rue Aristide Bergès
Le Pont de Claix 38800
France

Telephone: 33 476 68 36 36

Contact Person: BD Diagnostic Systems Europe - Regulatory Compliance Department

E-mail: msds_europe@bd.com

1.4 Emergency telephone number: CHEMTREC 1 800 424 9300

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has not been classified as hazardous according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Not classified

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2.2 Label Elements Not applicable

2.3 Other hazards No data available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

No hazardous ingredients.

General information:

Regulation No. 1272/2008.

SECTION 4: First aid measures

General: Get medical attention if symptoms occur.

4.1 Description of first aid measures

Inhalation: Provide fresh air, warmth and rest, preferably in comfortable upright sitting position.

Eye contact: Flush thoroughly with water. If irritation occurs, get medical assistance.

Skin Contact: Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.

Ingestion: Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed: No data available.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: No data available.

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Treatment: No data available.

SECTION 5: Firefighting measures

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

5.1 Extinguishing media Suitable extinguishing media: Water spray, fog, CO₂, dry chemical, or alcohol resistant foam.

Unsuitable extinguishing media: None known.

5.2 Special hazards arising from the substance or mixture: None known.

5.3 Advice 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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: No special precautionary health measures should be needed under anticipated conditions of use.

6.2 Environmental Precautions: Avoid release to the environment.

6.3 Methods and material for containment and cleaning up: No specific clean-up procedure noted.

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6.4 Reference to other sections: No data available.

SECTION 7: Handling and storage:

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

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

7.3 Specific end use(s): Reserved for industrial and professional use.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

Biological Limit Values

None.

8.2 Exposure controls

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).

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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.

Environmental Controls: No data available.

SECTION 9: Physical and chemical properties**9.1 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. |
| pH: | No data available. |
| Melting Point: | No data available. |
| Boiling Point: | No data available. |
| Flash Point: | Not applicable |
| Evaporation Rate: | No data available. |
| Flammability (solid, gas): | No data available. |
| Flammability Limit - Upper (%): | No data available. |
| Flammability Limit - Lower (%): | No data available. |
| Vapor pressure: | No data available. |
| Relative vapor density: | No data available. |
| Relative density: | No data available. |
| Solubility(ies) | |
| Solubility in Water: | Completely Soluble |
| Solubility (other): | No data available. |
| Partition coefficient (n-octanol/water): | No data available. |

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| | |
|-----------------------------------|--------------------|
| Autoignition Temperature: | No data available. |
| Decomposition Temperature: | No data available. |
| SADT: | No data available. |
| Viscosity: | Not determined. |
| Explosive properties: | No data available. |
| Oxidizing properties: | No data available. |

9.2 Other information

| | |
|--------------------------------------|--------------------|
| Molecular weight: | No data available. |
| VOC Content: | No data available. |
| Bulk density: | No data available. |
| Dust Explosion Limit, Upper: | No data available. |
| Dust Explosion Limit, Lower: | No data available. |
| Dust Explosion Description | No data available. |
| Number Kst: | |
| Minimum ignition energy: | No data available. |
| Minimum ignition temperature: | No data available. |
| Metal Corrosion: | No data available. |

SECTION 10: Stability and reactivity

| | |
|---|---|
| 10.1 Reactivity: | Material is stable under normal conditions. |
| 10.2 Chemical Stability: | Material is stable under normal conditions. |
| 10.3 Possibility of hazardous reactions: | Not known. |
| 10.4 Conditions to avoid: | Avoid exposure to high temperatures or direct sunlight. |
| 10.5 Incompatible Materials: | Strong oxidizers. |
| 10.6 Hazardous Decomposition Products: | Not known. |

SECTION 11: Toxicological information

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Information on likely routes of exposure

Inhalation: No data available.

Ingestion: No data available.

Skin Contact: No data available.

Eye contact: No data available.

11.1 Information on toxicological effects**Acute toxicity****Oral**

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

Dermal

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

Inhalation

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

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.

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Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Carcinogenicity

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.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

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Product: No data available.

Aquatic Invertebrates

Product: No data available.

Chronic Toxicity

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

BOD/COD Ratio

Product No data available.

12.3 Bioaccumulative potential

Product: No data available.

12.4 Mobility in soil:

Product: No data available.

12.5 Results of PBT and vPvB assessment:

Product: No data available.

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12.6 Other adverse effects: No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

Disposal methods: No specific disposal method required.

SECTION 14: Transport information

ADR

14.1 UN Number: Not regulated.
14.2 UN Proper Shipping Name: Not regulated.
14.3 Transport Hazard Class(es)
Class: Not regulated.
Label(s): Not regulated.
Hazard No. (ADR): Not regulated.
Tunnel restriction code: Not regulated.
14.4 Packing Group: Not regulated.
14.5 Environmental Hazards:
Marine Pollutant: Not regulated.
14.6 Special precautions for user: Not regulated.

ADN

14.1 UN Number: Not regulated.
14.2 UN Proper Shipping Name: Not regulated.
14.3 Transport Hazard Class(es)
Class: Not regulated.
Label(s): Not regulated.
Hazard No. (ADR): Not regulated.
Tunnel restriction code: Not regulated.
14.4 Packing Group: Not regulated.
14.5 Environmental Hazards:
Marine Pollutant: Not regulated.

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14.6 Special precautions for user: Not regulated.

RID

14.1 UN Number: Not regulated.

14.2 UN Proper Shipping Name: Not regulated.

14.3 Transport Hazard Class(es)

Class: Not regulated.

Label(s): Not regulated.

14.4 Packing Group: Not regulated.

14.5 Environmental Hazards: Not regulated.

Marine Pollutant: Not regulated.

14.6 Special precautions for user: Not regulated.

IMDG

14.1 UN Number: Not regulated.

14.2 UN Proper Shipping Name: Not regulated.

14.3 Transport Hazard Class(es)

Class: Not regulated.

Label(s): Not regulated.

EmS No.: Not regulated.

14.4 Packing Group: Not regulated.

14.5 Environmental Hazards: Not regulated.

Marine Pollutant: Not regulated.

14.6 Special precautions for user: Not regulated.

IATA

14.1 UN Number: Not regulated.

14.2 Proper Shipping Name: Not regulated.

14.3 Transport Hazard Class(es):

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| | |
|------------------------------------|----------------|
| Class: | Not regulated. |
| Label(s): | Not regulated. |
| 14.4 Packing Group: | Not regulated. |
| 14.5 Environmental Hazards: | Not regulated. |
| Marine Pollutant: | Not regulated. |
| 14.6 Special precautions for user: | Not regulated. |

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

EU Regulations

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

Regulation (EC) No. 649/2012 Import and export of dangerous chemicals: none

EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC): none

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended: none

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use: none

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.: none

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Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.: none

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants: none

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:

| Chemical name | CAS-No. | Concentration |
|--|-----------|---------------|
| sodium carbonate | 497-19-8 | 0.1 - 1.0% |
| sodium hydrogensulphite ... %; sodium bisulphite . . . % | 7631-90-5 | 0 - <0.1% |

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Revision Information: No data available.

References

PBT PBT: persistent, bioaccumulative and toxic substance.
vPvB vPvB: very persistent and very bioaccumulative substance.

Key literature references and sources for data: No data available.

Wording of the H-statements in section 2 and 3: none

Training information: No data available.

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