

Printing date 08/03/2004

Reviewed on 11/11/2003

1 Identification of substance:

- · Product name: Nutrient Broth
- Catalog number: 231000
- Manufacturer/Supplier: BD Diagnostic Systems
 7 Loveton Circle Sparks, MD 21152 Tel: (410) 771-0100 or (800) 638-8663
 Information department: Technical Services
- Emergency information:
- In case of a chemical emergency, s



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5 Fire fighting measures

· Suitable extinguishing agents

CO2, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.

· Protective equipment: No special measures required.

6 Accidental release measures

- · Person-related safety precautions: Not required.
- Measures for environmental protection: Wipe up with damp sponge or mop.
- Measures for cleaning/collecting: No special measures required.
- · Additional information: No dangerous substances are released.

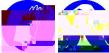
7 Handling and storage

- · Handling
- · Information for safe handling: No special measures required.
- Information about protection against explosions and fires: No special measures required.
- · Storage
- \cdot Requirements to be met by storerooms and receptacles: < 30 C
- Information about storage in one common storage facility: Store away from oxidizing agents.
- Further information about storage conditions: None.

8 Exposure controls and personal protection

• Additional information about design of technical systems: No further data; see item 7.

- Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists that were valid during the creation were used as basis.
- · Personal Protective Equipment
- General protective and hygienic measures The usual processing for headling chemicals show
- The usual precautionary measures for handling chemicals should be followed.
- Breathing equipment:
- In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respirator.
- Protection of hands:



Chemical resistant gloves (i.e. nitrile, or equivalent).

- · Eye protection: Safety glasses
- · Body protection: Protective work clothing (lab coat).

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General Information	
Form:	Solid.
	Powder
Color:	Beige
Odor:	Characteristic
Change in condition	Undetermined
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined
Flash point:	Not applicable
• Auto igniting:	Product is not self igniting.
Danger of explosion:	Product does not present an explosion hazard.
Density:	Not determined
· Solubility in / Miscibility with	
Water:	Soluble
· pH-value:	6.8 +/- 0.2

10 Stability and reactivity

· Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- · Dangerous reactions No dangerous reactions known
- · Dangerous products of decomposition: No dangerous decomposition products known.

11 Toxicological information

- · Acute toxicity:
- · Primary irritant effect:
- on the skin: No irritating effect.
- on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
- When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information:

- · Ecotoxical effects:
- · Other information:
- *The ecological effects have not been thoroughly investigated, but currently none have been identified. General notes: Generally not hazardous for water.*

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13 Disposal considerations

- · Product:
- · Recommendation

Smaller quantities can be disposed of with solid waste.

Dispose of material in accordance with federal (40 CFR 261), state and local requirements. This product is not considered a RCRA hazardous waste.

- · Uncleaned packagings:
- Recommendation: Disposal must be made according to state and federal regulations.
- Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

- · DOT regulations:
- · Hazard class:
- · Land transport ADR/RID (cross-border)
- · ADR/RID class:
- Maritime transport IMDG:
- · IMDG Class:
- Marine pollutant: No
- Air transport ICAO-TI and IATA-DGR: • ICAO/IATA Class: -

· Transport/Additional information:

If a dashed line appears in the Hazard Class section for the type of transportation, this indicates the product is not regulated for transportation. However, if a Hazard Class Number is listed the product is regulated.

15 Regulations

· SARA Section 355 (extremely hazardous substances)

None of the ingredients is listed.

· SARA Section 313 (specific toxic chemical listings)

None of the ingredients is listed.

- · TSCA (Toxic Substances Control Act)
- None of the ingredients is listed.
- · California Proposition 65 Chemicals known to cause cancer

None of the ingredients is listed.

- · California Proposition 65 Chemicals known to cause reproductive toxicity
- None of the ingredients is listed.
- · Carcinogenicity categories
- · IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

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· NTP (National Toxicology Program)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

• *Product related hazard information:* Observe the general safety regulations when handling chemicals The product is not subject to identification regulations pertaining to regulations on hazardous materials.

· National regulations

· Water hazard class: Generally not hazardous for water.

16 Other information:

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• Department issuing MSDS: Safety and Environment Department • Contact: Technical Service Representative