

1 Identification of substance:

- **Product name:** Hektoen Enteric Agar
- **Catalog number:** 285320
- **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, spill, fire, exposure, or accident contact BD Diagnostic Systems at (410)771-0100 or (800)638-8663, or ChemTrec at (800)424-9300.

2 Composition/Data on components:

- **Chemical characterization**
- **Description:** Mixture consisting of the following components.

Dangerous components:

| | | |
|-----------|-------------------------|-------|
| 7772-98-7 | sodium thiosulfate | 6.5% |
| 1185-57-5 | ferric ammonium citrate | 2.0% |
| | bile salts No. 3 | 11.9% |

3 Hazards identification

- **Hazard description:**



Xi Irritant

- **Information pertaining to particular dangers for man and environment**
R 36/37/38 Irritating to eyes, respiratory system and skin.
- **Classification system**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **NFPA ratings (scale 0-4)**

Health = 1
Fire = 0
Reactivity = 0**4 First aid measures**

- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for 15 minutes under running water. Then consult a doctor.

(Contd. on page 2)

USA

Printing date 01/12/2006

Reviewed on 12/03/2003

Product name: Hektoen Enteric Agar

(Contd. of page 1)

· **After swallowing** If symptoms persist consult doctor.

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.
- **Special hazards caused by the material, its products of combustion or resulting gases:**
During heating or in case of fire toxic gases may be produced.
- **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:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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**
- **Requirements to be met by storerooms and receptacles:** < 30 C
- **Information about storage in one common storage facility:**
Do not store together with oxidizing and acidic materials.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed containers.

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:**

57-50-1 sucrose

| | |
|--------|---|
| PEL () | 15*; 5** mg/m ³ *Total dust **Respirable fraction |
| REL () | 10*; 5** mg/m ³ *Total dust **Respirable fraction |
| TLV () | 10 mg/m ³ |

· **Additional information:** The lists that were valid during the creation were used as basis.

- **Personal Protective Equipment**
- **General protective and hygienic measures**
The usual precautionary measures for handling chemicals should be followed.

(Contd. on page 3)

Product name: Hektoen Enteric Agar

(Contd. of page 2)

· 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).*

9 Physical and chemical properties:

· General Information

| | |
|---------------|-------------------------------|
| Form: | <i>Solid. Powder</i> |
| Color: | <i>Light beige Purple</i> |
| Odor: | <i>Characteristic</i> |

| | |
|---------------------------------------|-----------------------|
| · Change in condition | <i>Undetermined</i> |
| · Melting point/Melting range: | <i>Not determined</i> |
| · Boiling point/Boiling range: | <i>Not determined</i> |

· 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 at 25°C (77°F): *7.5 +/- 0.2*

· Solvent content:

· Solids content: *100.0 %*

10 Stability and reactivity

· Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

· Materials to be avoided: *Incompatible materials: strong acids and oxidizers.*

· Dangerous reactions *No dangerous reactions known*

· Dangerous products of decomposition:

Carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

Sulfur oxides (SO_x)

(Contd. on page 4)

Product name: Hektoen Enteric AgarAmmonia (NH₄)

(Contd. of page 3)

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Subacute to chronic toxicity:** Target organs: respiratory tract, eyes, kidneys, and skin.
- **Additional toxicological information:**

Irritant

The product shows the following dangers according to internally approved calculation methods for preparations:

12 Ecological information:

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

13 Disposal considerations

- **Product:**
- **Recommendation**
Smaller quantities can be disposed of with solid waste.
Dispose of material in accordance with federal (40 CFR 261.3), 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

(Contd. on page 5)

USA

Product name: Hektoen Enteric Agar

(Contd. of page 4)

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

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)**

9002-18-0 agar

63-42-3 lactose

57-50-1 sucrose

7772-98-7 sodium thiosulfate

8013-01-2 yeast extract

138-52-3 alpha-hydroxy-o-tolyl-β-D-glucopyranoside

1185-57-5 ferric ammonium citrate

3244-88-0 acid fuchsin

- **California Proposition 65 - Chemicals known to cause cancer**

None of the ingredients is listed.

- **California Proposition 65 - Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **California Proposition 65 - Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **California Proposition 65 - Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenicity categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**

57-50-1 sucrose

A4

- **Product related hazard information:**

Observe the general safety regulations when handling chemicals

The product has been classified and marked in accordance with regulations on hazardous materials.

- **Hazard symbols:**

Xi Irritant

- **Hazard-determining components of labeling:**

sodium thiosulfate

bile salts No. 3

(Contd. on page 6)



Material Safety Data Sheet
acc. to ISO/DIS 11014

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(Contd. of page 5)

*ferric ammonium citrate***· Risk phrases:***36/37/38 Irritating to eyes, respiratory system and skin.***· Safety phrases:***24/25 Avoid contact with skin and eyes.**22 Do not breathe dust.***16 Other information:**

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· Department issuing MSDS: *Safety and Environment Department***· Contact:** *Technical Service Representative*

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