

Date Prepared: 04/21/2011

Reviewed On: 03/03/2011

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

- **Product Identifier**
- **Product Name:** Hektoen Enteric Agar
- **Catalog Number:** 285340
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
BD Diagnostic Systems
7 Loveton Circle
Sparks, MD 21152
Telephone.: (410) 771 - 0100 or (800) 638 – 8663
- **Information Department:** Technical Service
- **Emergency telephone number:**
In case of a chemical emergency, spill, fire, exposure, or accident contact BD Diagnostic Systems (410) 771-0100 or (800)-638-8663, or ChemTrec at (800) 424-9300.


2 Composition/information on ingredients

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

Dangerous Components:

57-50-1	sucrose	15.9%
	bile salts No. 3	11.9%
7647-14-5	sodium chloride	6.6%
1185-57-5	ferric ammonium citrate	2.0%

3 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
 Xi; Irritant
R36/37/38: 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.

Label elements

- **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals
The product has been classified and marked in accordance with regulations on hazardous materials.
- **Code letter and hazard designation of product:**



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· Hazard-determining components of labelling:

sodium thiosulfate
bile salts No. 3
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.

· NFPA ratings (scale 0-4)

Health = 1
Fire = 0
Reactivity = 0

· HMIS ratings (scale 0-4)

HEALTH 1 Health = 1
FIRE 0 Fire = 0
REACTIVITY 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.
- **After swallowing** If symptoms persist consult doctor.

5 Firefighting measures

- **Suitable extinguishing agents**
CO₂, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**
During heating or in case of fire toxic gases may be produced.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Wipe up with damp sponge or mop.
- **Methods and material for containment and cleaning up:** No special measures required.

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- **Reference to other sections**
 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**
- **Precautions 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/personal protection

- **Additional information about design of technical systems:**
 No further data; see Section 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.
- **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

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· **Body protection:** Protective work clothing (lab coat).**9 Physical and chemical properties**· **General Information**· **Appearance:**

Form: Solid.
Powder

Color: Light beige
Purple

· **Odor:** Characteristic

· **pH-value at 25°C (77 °F):** 7.5 +/- 0.2

· **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· **Solvent content:****Solids content:** 100.0 %**10 Stability and reactivity**· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **Incompatible materials:** Incompatible materials: strong acids and oxidizers.· **Hazardous decomposition products:**

Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)
Sulfur oxides (SO_x)
Ammonia (NH₄)

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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:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
Exposure may cause allergic reaction in individuals sensitive to proteolytic enzymes.

12 Ecological information

- **Aquatic toxicity:** No further relevant information available.
- **Ecotoxicological effects:**
- **Other information:**
The ecological effects have not been thoroughly investigated, but currently none have been identified.
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water.

13 Disposal considerations

- **Waste treatment methods**
- **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:** -

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- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

15 Regulatory information

· **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

7647-14-5 sodium chloride

7772-98-7 sodium thiosulfate

8013-01-2 yeast extract

138-52-3 salicin

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.

· **Carcinogenic categories**

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

57-50-1 sucrose

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· 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**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:*Environmental, Health & Safety**Created by Michael J. Spinazzola***· Contact:** *Technical Service Representative*