

Printing date 03/23/2006

Reviewed on 03/23/2006

1 Identification of substance:

- **Product name:** MacConkey Agar
- **Catalog number:** 212123
- **Manufacturer/Supplier:**
BD Diagnostic Systems
7 Loveton Circle
Sparks, MD 21152
Telephone: (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:	
bile salts No. 3	9.93%

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

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Information for doctor Show this product label or this MSDS.**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:**
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:** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** 2 - 30 °C
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **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:**
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**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
- **Breathing equipment:**
In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respirator.

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· **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:	Solid.
Color:	Beige
Odor:	Characteristic

· Change in condition	Undetermined
· Melting point/Melting range:	Not determined
· Boiling point/Boiling range:	Not determined

· Flash point:	Not applicable
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· Auto igniting:	Product is not self igniting.
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· Danger of explosion:	Product does not present an explosion hazard.
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· Density:	Not determined
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· Solubility in / Miscibility with Water:	Soluble
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· pH-value:	7.1 +/- 0.2
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· Solvent content:	
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· Solids content:	100.0 %
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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:** Chlorine (Cl)

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.

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· Additional toxicological information:

Irritant

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

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.

13 Disposal considerations
· Product:
· Recommendation

Smaller quantities can be disposed of with solid waste.

This product is not considered a RCRA hazardous waste.

Dispose of material in accordance with federal (40 CFR 261.3), state and local requirements.

· 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: -

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

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**Material Safety Data Sheet**
acc. to ISO/DIS 11014

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63-42-3	<i>lactose</i>
497-19-8	<i>sodium carbonate</i>
548-62-9	<i>C.I. Basic Violet 3</i>

· 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)***None of the ingredients is listed.***· Product related hazard information:***The product has been classified and marked in accordance with regulations on hazardous materials.***· Hazard symbols:***Xi Irritant***· Hazard-determining components of labeling:***Bile Salts***· Risk phrases:***36/37/38 Irritating to eyes, respiratory system and skin.***· Safety phrases:***7 Keep container tightly closed.**22 Do not breathe dust.**24/25 Avoid contact with skin and eyes.**36/37 Wear suitable protective clothing and gloves.***16 Other information:**

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