



Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 08/02/2004

Reviewed on 11/17/2003

1 Identification of substance:

- **Product name:** MacConkey Agar
- **Catalog number:** 212122
- **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:	
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, respira0.144 Tc (ry system (8) .92 4Bcl2 9.96 Tf0 -11.04 TD (R 36/37/3) Tj2.58 Tc (8) Ta 36/a0 Tj



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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.

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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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· Vapor pressure:	Not applicable
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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.

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- **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

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. *Ecological infor*





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· 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

497-19-8 sodium carbonate

548-62-9 crystal violet

· 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.

· 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:

To the best of our knowledge, the information contained herein is accurate. However, neither Becton, Dickinson and Company or any of its subsidiaries assumes any liability for other information.