

Material Safety Data Sheet
acc. to ISO/DIS 11014

Date Prepared: 04/21/2011

Reviewed On: 02/11/2011

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

- **Product Identifier**
- **Product Name:** m Endo Broth MF, Dehydrated
- **Catalog Number:** 274920
- **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:

7647-14-5	sodium chloride	10.4%
7757-83-7	sodium sulfite	4.4%
569-61-9	basic fuchsin	2.2%

3 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



T; Toxic

R45: May cause cancer.



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:**

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

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Product Name: m Endo Broth MF, Dehydrated

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· **Code letter and hazard designation of product:**



T Toxic

· **Hazard-determining components of labelling:**

basic fuchsin
sodium chloride
sodium sulfite

· **Risk phrases:**

45 May cause cancer.
36/37/38 Irritating to eyes, respiratory system and skin.

· **Safety phrases:**

53 Avoid exposure - obtain special instructions before use.
20 When using do not eat or drink.
36 Wear suitable protective clothing.
45 In case of accident or if you feel unwell, seek medical advice immediately.
60 This material and its container must be disposed of as hazardous waste.

· **NFPA ratings (scale 0-4)**



Health = 3
Fire = 0
Reactivity = 0

· **HMIS ratings (scale 0-4)**



Health = 3
Fire = 0
Reactivity = 0

4 First aid measures

- **General information** No special measures required.
- **After inhalation** Supply fresh air and seek medical advice.
- **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** Immediately call a doctor.
- **Information for doctor** Show this product label or this MSDS.

5 Firefighting measures

- **Suitable extinguishing agents** CO₂, sand, extinguishing powder. Do not use water.

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Product Name: m Endo Broth MF, Dehydrated· **Protective equipment:** No special measures required.

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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:** Ensure adequate ventilation.
- **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** 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:** < 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:**
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.
Store protective clothing separately.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respirator.

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Product Name: m Endo Broth MF, Dehydrated

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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
· Appearance:

Form:	Solid. Powder
Color:	Pink
· Odor:	Characteristic

· pH-value: 7.2 +/- 0.1

· Change in condition
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: Partly 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:

Chlorine (Cl)

Hydrogen chloride (HCl)

 Carbon dioxide (CO₂)

 Sulfur oxides (SO_x)

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Nitrogen oxides (NOx)

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11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

569-61-9 basic fuchsin

Oral LD50 500 mg/kg (mou)

- **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.

- **on the eye:** Irritating effect.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

This product contains sulfites. People with known or suspected allergies to sulfite should use appropriate safety precautions when handling.

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

Irritant

Carcinogenic

12 Ecological information

- **Acquatic 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:** Water danger class 3 (Self-assessment): extremely hazardous for water.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation**

Must not 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.

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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 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)**

63-42-3	lactose
9000-71-9	casein
7647-14-5	sodium chloride
7758-11-4	potassium phosphate, dibasic
7757-83-7	sodium sulfite
8013-01-2	yeast extract
7778-77-0	potassium phosphate, monobasic
569-61-9	basic fuchsin
302-95-4	sodium desoxycholate
151-21-3	sodium dodecyl sulfate

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

569-61-9 basic fuchsin

- **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.

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· **Carcinogenic categories**

· **NTP (National Toxicology Program)**

569-61-9 basic fuchsin

R

· **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:**



T Toxic

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

basic fuchsin
sodium chloride
sodium sulfite

· **Risk phrases:**

45 May cause cancer.
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· **Safety phrases:**

53 Avoid exposure - obtain special instructions before use.
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· **National regulations**

· **Water hazard class:**

Water danger class 3 (Self-assessment): extremely hazardous for water.

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 liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we can not guarantee that these are the only hazards that exist.

· **Department issuing MSDS:**

Environmental, Health & Safety
Created by Michael J. Spinazzola

· **Contact:** Technical Service Representative