

Date Prepared: 02/14/2009

Reviewed On: 01/30/2009

1 Identification of substance:

- **Product name:** Endo Agar
- **Catalog number:** 221167
- **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 (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:**

7757-83-7	sodium sulfite	6.02%
569-61-9	basic fuchsin	1.18%

3 Hazards identification

- **Hazard description:**



T Toxic

- **Information pertaining to particular dangers for man and environment**
 R 45 May cause cancer.
- **NFPA ratings (scale 0-4)**


 Health = 3
 Fire = 0
 Reactivity = 0

- **HMIS ratings (scale 0-4)**


 HEALTH 3 Health = 3
 FIRE 0 Fire = 0
 REACTIVITY 0 Reactivity = 0

4 First aid measures

- **General information** No special measures required.
- **After inhalation** Seek medical treatment in case of complaints.
- **After skin contact** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact**
 Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing** Immediately call a 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:** Ensure adequate ventilation.· **Additional information:** No dangerous substances are released.**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:** < 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:**

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**

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

Form:	Solid.
Color:	Purple
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:	7.4 +/- 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.
- **Materials to be avoided:** Incompatible materials: strong acids and oxidizers.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:**
 - Nitrogen oxides (NO_x)
 - Reacts with water forming hydrochloric acid (HCl)
 - Carbon dioxide (CO₂)
 - Sulfur oxides (SO_x)

11 Toxicological information

 · **Acute toxicity:**

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

569-61-9 basic fuchsin

Oral	LD50	500 mg/kg (mou)
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 · **Primary irritant effect:**

 · **on the skin:** No irritating effect.

 · **on the eye:** No irritating effect.

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

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· Other information (about experimental toxicology):

This product has a calculated LD50 of 42,3730 mg/Kg (oral-mouse) based on basic fuschin content.

· 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:
Carcinogenic

12 Ecological information:**· Ecotoxicological effects:****· Other information:**

The ecological effects have not been thoroughly investigated, but currently none have been identified.

· General notes: Water danger class 3 (Self-assessment): extremely hazardous for water.**13 Disposal considerations****· Product:****· 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.**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.

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

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• **TSCA (Toxic Substances Control Act)**

All ingredients are listed.

• **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.

• **Carcinogenicity categories**• **IARC (International Agency for Research on Cancer)**

569-61-9 basic fuchsin

2B

• **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 sulfite

• **Risk phrases:**

45 May cause cancer.

• **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.

• **National regulations**• **Water hazard class:** Water danger class 3 (Self-assessment): extremely hazardous for water.**16 Other information:**

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• **Department issuing MSDS:**

Safety and Environment Department

MSDS created by Michael J. Spinazzola

• **Contact:** Technical Service Representative