



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

Printing date 08/03/2004

Reviewed on 10/20/2003

**1 Identification of substance:**

- **Product name:** Bismuth Sulfite Agar
- **Catalog number:** 273300
- **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:**

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- **After swallowing** If symptoms persist consult doctor.
- **Information for doctor** Show this product label or this MSDS.

## 5 Fire fighting measures

- **Suitable extinguishing agents**  
CO<sub>2</sub>, 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:** 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.  
Do not store together with alkaline material.
- **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.

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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**

<b>Form:</b>	Solid. Powder
<b>Color:</b>	Light green
<b>Odor:</b>	Characteristic

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

· **Flash point:** Not applicable

· **Auto igniting:** Product is not self igniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapor pressure:** Not applicable

· **Density:** Not determined

· **Solubility in / Miscibility with Water:** Soluble

· **pH-value:** 7.7 +/- 0.2

· **Solvent content:**

· **Solids content:** 100.0 %

### 10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **Materials to be avoided:** Incompatible materials: acids, bases, and oxidizers.

· **Dangerous reactions** No dangerous reactions known

· **Dangerous products of decomposition:**

Carbon dioxide (CO<sub>2</sub>)

Ammonia (NH<sub>4</sub>)

Phosphorus oxides (PO<sub>x</sub>)

Sulfur oxides (SO<sub>x</sub>)

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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:** Sensitization possible through skin contact.
- **Subacute to chronic toxicity:** Target organs: respiratory tract, eyes, kidneys, and skin.
- **Additional toxicological information:**

Irritant

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

This product contains 1 Tj0.54 Tc j073.44 678.48 1S5 ( 1 Tj0.54 T) Tj0.63 Tc ( ) Tj0.u112 Tc (is) Tj1.3776 Tc 42n.

.32irator-Mnhrespirator-Mnhr4 Tc (o) Tjis 1 Tj091.36 0e47.88 m526.32i Tc (n) T ( 1 Tj014.04 Ttj091.3





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**· Safety phrases:**

- 24 Avoid contact with skin.
- 25 Avoid contact with eyes.
- 36 Wear suitable protective clothing.
- 7 Keep container tightly closed.

**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.*