

### 1 Identification of substance:

- **Product name:** *XLD Agar*
- **Catalog number:** *278830*
- **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:**

7772-98-7	sodium thiosulfate	11.7%
	bile salts No. 3	3.4%
1185-57-5	ferric ammonium citrate	1.7%
57-50-1	sucrose	13.2%

### 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.*

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- **After swallowing** Immediately call a 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:** 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.  
Store away from metals.
- **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:**

**57-50-1 sucrose**

PEL	15*; 5** mg/m <sup>3</sup> *Total dust **Respirable fraction
REL	10*; 5** mg/m <sup>3</sup> *Total dust **Respirable fraction
TLV	10 mg/m <sup>3</sup>

- **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.

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- **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
- **Body protection:** Protective work clothing (lab coat).

### 9 Physical and chemical properties:

· **General Information**

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

- **Change in condition** Undetermined
- **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:** Soluble

· **pH-value:** 7.4 +/- 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 material: strong oxidizers.  
Incompatible materials: acidic material and metals
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:**  
Ammonia (NH<sub>4</sub>)  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)

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**Product name: XLD Agar**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:** No sensitizing effects known.
- **Additional toxicological information:**  
Irritant  
The product shows the following dangers according to internally approved calculation methods for preparations:

**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.

**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

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- **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
63-42-3	lactose
57-50-1	sucrose
7772-98-7	sodium thiosulfate
56-87-1	Lysine
58-86-6	xylose, pure
8013-01-2	yeast extract
151-21-3	sodium dodecyl sulfate
1185-57-5	ferric ammonium citrate
143-74-8	phenol red

- **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)**

57-50-1	sucrose	A4
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- **Product related hazard information:**

Observe the general safety regulations when handling chemicals  
The product has been classified and marked in accordance with regulations on hazardous materials.

- **Hazard symbols:**

Xi Irritant

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

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

sodium thiosulfate  
bile salts No. 3  
ferric ammonium citrate

**· Risk phrases:**

36/37/38 Irritating to eyes, respiratory system and skin.

**· Safety phrases:**

24/25 Avoid contact with skin and eyes.  
37 Wear suitable gloves.  
22 Do not breathe dust.  
7 Keep container tightly closed.

**16 Other information:**

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

USA