

Date Prepared: 03/01/2011

Reviewed On: 02/11/2011

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



- **Product Identifier**
- **Product Name:** Trichosel Broth, Modified
- **Catalog Number:** 211747, 11747
- **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

- **Chemical characterization:** Mixture
- **Description:** Mixture consisting of the following components.

· <b>Dangerous Components:</b>	
56-75-7	chloramphenicol 0.47%

## 3 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
 **T; Toxic**  
R61: May cause harm to the unborn child.
-  **Xn; Harmful**  
R68/20/21: Harmful: possible risk of irreversible effects through inhalation and in contact with 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.
- **Code letter and hazard designation of product:**  
Xn Harmful
- **Hazard-determining components of labelling:**  
chloramphenicol
- **Risk phrases:**  
68/20/21 Harmful: possible risk of irreversible effects through inhalation and in contact with skin.  
61 May cause harm to the unborn child
- **Safety phrases:**  
9 Keep container in a well-ventilated place.  
36/37 Wear suitable protective clothing and gloves.  
45 In case of accident or if you feel unwell, seek medical advice immediately.

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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 = 2

Fire = 0

Reactivity = 0

**4 First aid measures**

- **General information** No special measures required.
- **After inhalation**  
Supply fresh air or oxygen; and immediately call for a doctor.  
In case of unconsciousness place patient on side position for transportation.
- **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** Call a doctor immediately.
- **Information for doctor** Show this product label or this MSDS.

**5 Firefighting 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.
- **Special hazards arising from the substance or mixture**  
During heating or in case of fire toxic gases may be produced.
- **Protective equipment:** No special measures required.

**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:** No special measures required.
- **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:** Keep respiratory protective device available.

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- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **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**  
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
- **Body protection:** Protective work clothing (lab coat).

## 9 Physical and chemical properties

- **General Information**
- **Appearance:**
  - Form:** Solid.
  - Color:** According to product specification
  - Odor:** Characteristic
- **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:** Soluble

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

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· **Hazardous decomposition products:** No dangerous decomposition products known.**11 Toxicological information**· **Acute toxicity:**· **LD/LC50 values that are relevant for classification:****56-75-7 chloramphenicol**

Oral	LD50	2500 mg/kg (rat)
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· **Primary irritant effect:**· **on the skin:** No irritating effect.· **on the eye:** No irritating effect.· **Sensitization:** No sensitizing effects known.· **Subacute to chronic toxicity:**

Target organs: blood, leukemia, aplastic anemia

Target organs: blood, bone marrow, nerves and liver.

· **Additional toxicological information:**The product shows the following dangers according to internally approved calculation methods for preparations:  
Harmful

California Proposition 65 - Warning: This product contains a chemical known to the State of California to cause cancer.

**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 hazard class 1 (Self-assessment): slightly 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.**14 Transport information**· **DOT regulations:**· **Hazard class:** -

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· **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)**

9002-18-0 agar

8013-01-2 yeast extract

69-79-4 maltose

56-89-3 L-cystine

7758-11-4 potassium phosphate, dibasic

7778-77-0 potassium phosphate, monobasic

56-75-7 chloramphenicol

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

56-75-7 chloramphenicol

· **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.

· **Carcinogenic categories**· **NTP (National Toxicology Program)**

56-75-7 chloramphenicol

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· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

**16 Other information**

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· **Department issuing MSDS:**

Environmental, Health & Safety

Created by Michael J. Spinazzola

· **Contact:** Technical Service Representative

USA