

Date Prepared: 02/14/2009

Reviewed On: 12/21/2007

## 1 Identification of substance:

- **Product name:** Potato Flakes Agar w/Chloramphenicol & Gentam
- **Catalog number:** 292362
- **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:**

56-75-7	chloramphenicol	1.0%
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## 3 Hazards identification

### · **Hazard description:**



T Toxic

### · **Information pertaining to particular dangers for man and environment**

- R 45 May cause cancer.
- R 23/25 Also toxic by inhalation and if swallowed.

### · **NFPA ratings (scale 0-4)**



Health = 4  
Fire = 0  
Reactivity = 0

### · **HMIS ratings (scale 0-4)**



Health = 3  
Fire = 0  
Reactivity = 0

## 4 First aid measures

- **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.
- **After swallowing** Call a doctor immediately.

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**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:** No special measures required.

**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:** No special requirements.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** None.

**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**  
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.
- **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

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

### · Change in condition

<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	Not determined

<b>Flash point:</b>	Not applicable
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<b>Auto igniting:</b>	Product is not self igniting.
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<b>Danger of explosion:</b>	Product does not present an explosion hazard.
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<b>Density:</b>	Not determined
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### · Solubility in / Miscibility with

<b>Water:</b>	Soluble
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### · Solvent content:

<b>Organic solvents:</b>	0.0 %
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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 material: strong oxidizers.

· **Dangerous reactions** No dangerous reactions known

· **Dangerous products of decomposition:**

Nitrogen oxides (NO<sub>x</sub>)

Chlorine (Cl)

· **Additional information:** This product contains a known or suspected carcinogen.

## 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.

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# Material Safety Data Sheet

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**· Additional toxicological information:**

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

Toxic

Carcinogenic

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

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

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

**· General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Do not allow undiluted product to reach ground water or sanitary sewer.

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

9002-18-0 agar

50-99-7 dextrose

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.

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

56-75-7 chloramphenicol

2A

· **NTP (National Toxicology Program)**

56-75-7 chloramphenicol

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:**

chloramphenicol

· **Risk phrases:**

45 May cause cancer.

23/25 Also toxic by inhalation and if swallowed.

· **Safety phrases:**

53 Avoid exposure - obtain special instructions before use.

28 After contact with skin, wash immediately with plenty of water

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

60 This material and its container must be disposed of as hazardous waste.

**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:**

Safety and Environment Department

MSDS created by Michael J. Spinazzola

· **Contact:** Technical Service Representative