

Date Prepared: 10/15/2008

Reviewed On: 12/21/2007

1 Identification of substance:

- **Product name:** Mycobacterium butyricum, desicated
- **Catalog number:** 264010
- **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:**
- **CAS No. Description:**
 mycobacterium butyricum

3 Hazards identification

- **Hazard description:**



Xn Harmful

- **Information pertaining to particular dangers for man and environment**
 R 21/22 Harmful in contact with skin and if swallowed.
- **Classification system**
- **NFPA ratings (scale 0-4)**


 Health = 2
 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; 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.

CDN

(Contd. on page 2)

Date Prepared: 10/15/2008

Reviewed On: 12/21/2007

Product name: *Mycobacterium butyricum*, desicated

(Contd. of page 1)

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:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** 2 - 8 °C
- **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 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:** Not required.
- **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.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **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

CDN

(Contd. on page 3)

Date Prepared: 10/15/2008

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(Contd. of page 2)

9 Physical and chemical properties:**· General Information**

Form:	Solid. Powder
Color:	Light beige
Odor:	Characteristic

· Change in condition

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined

· Flash point:	Not applicable
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· Flammability (solid, gaseous)	Product is not flammable.
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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:	Partly soluble
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10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:** Carbon monoxide (CO) and carbon dioxide (CO₂)

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritating effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

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.

(Contd. on page 4)

CDN



Material Safety Data Sheet

acc. to ISO/DIS 11014

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(Contd. of page 3)

Must adhere to official regulations.

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to state and federal regulations.

14 Transport information

- **DOT regulations:**
- **Hazard class:** -
- **TDG (Transport dangerous goods):**
- **TDG class:** -
- **Maritime transport IMDG:**
- **Marine pollutant:** No

15 Regulations

- **SARA Section 355 (extremely hazardous substances)**
Substance is not listed.
- **SARA Section 313 (specific toxic chemical listings)**
Substance is not listed.
- **TSCA (Toxic Substances Control Act)**
Substance is not listed.
- **Carcinogenicity categories**
- **IARC (International Agency for Research on Cancer)**
Substance is not listed.
- **NTP (National Toxicology Program)**
Substance is not listed.
- **TLV (Threshold Limit Value established by ACGIH)**
Substance is not listed.
- **Canadian Substance Listing**
- **Canadian Domestic Substance List (DSL)**
Substance is not listed.
- **Canadian Ingredient Disclosure List (limit 0.1%)**
Substance is not listed.
- **Canadian Ingredient Disclosure List (limit 1%)**
Substance is not listed.

- **Product related hazard information:**

This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR), and the MSDS contains all of the information required by the CPR.

- **Hazard symbols:**
Xn Harmful

(Contd. on page 5)



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(Contd. of page 4)

· Risk phrases:

21/22 Harmful in contact with skin and if swallowed.

· Safety phrases:

7 Keep container tightly closed.

22 Do not breathe dust.

24/25 Avoid contact with skin and eyes.

36 Wear suitable protective clothing.

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

CDN