

Date Prepared: 01/26/2007

Reviewed On: 01/08/2007

1 Identification of substance:

- **Product name:** Desoxycholate Reagent
- **Catalog number:** 211967
- **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 at (410)771-0100 or (800) 638-8663, or ChemTrec at (800) 424-9300.

2 Composition/Data on components:

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

64-17-5	ethanol	20.0%
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3 Hazards identification

· **Hazard description:**



Xn Harmful

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

R 40 Limited evidence of a carcinogenic effect.

R 37 Irritating to respiratory system.

· **Classification system**

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

· **HMIS ratings (scale 0-4)**

HEALTH	1	Health = 1
FIRE	0	Fire = 0
REACTIVITY	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** Immediately call a doctor.
- **Information for doctor** Show this product label or this MSDS.

CDN

(Contd. on page 2)

Date Prepared: 01/26/2007

Reviewed On: 01/08/2007

Product name: Desoxycholate Reagent

(Contd. of page 1)

5 Fire fighting measures

- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:** No special measures required.
- **Additional information:** No dangerous substances are released.

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:**

64-17-5 ethanol

 TLV 1900 mg/m³, 1000 ml/m³

- **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**

Form:	Liquid
Color:	Light brown

(Contd. on page 3)

Date Prepared: 01/26/2007

Reviewed On: 01/08/2007

Product name: Desoxycholate Reagent

(Contd. of page 2)

Odor:	Characteristic
· Change in condition Melting point/Melting range: Not determined Boiling point/Boiling range: 78°C	
· Flash point:	556°C
· Ignition temperature:	425.0°C
· Auto igniting:	Product is not self igniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits: Lower: 3.5 Vol % Upper: 15.0 Vol %	
· Vapor pressure at 20°C:	59.0 hPa
· Density:	Not determined
· Solubility in / Miscibility with Water:	Soluble
· Solvent content: Organic solvents:	20.0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** Violent reactions with strong alkalis and oxidizing agents
- **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**

 · **LD/LC50 values that are relevant for classification:**
64-17-5 ethanol

Oral	LD50	3450 mg/kg (MOU)
		7060 mg/kg (rat)

- **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:

This product or product container contains dry natural rubber latex.

CDN

(Contd. on page 4)

Date Prepared: 01/26/2007

Reviewed On: 01/08/2007

Product name: Desoxycholate Reagent

(Contd. of page 3)

12 Ecological information:

- **Ecotoxicological effects:**
- **Other information:**
The ecological effects have not been thoroughly investigated, but currently none have been identified.
- **General notes:** Not known to be hazardous to water.

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed of with solid waste.
Must adhere to official regulations.
- **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)**
64-17-5 ethanol
- **TSCA (Toxic Substances Control Act)**
302-95-4 sodium desoxycholate
64-17-5 ethanol
54-64-8 thimerosal
- **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.

(Contd. on page 5)

Date Prepared: 01/26/2007

Reviewed On: 01/08/2007

Product name: Desoxycholate Reagent

(Contd. of page 4)

· California Proposition 65 - Chemicals known to cause developmental toxicity:

64-17-5 ethanol

54-64-8 thimerosal

· 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)

64-17-5 ethanol

A4

· 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

· Hazard-determining components of labeling:

ethanol

sodium desoxycholate

· Risk phrases:

40 Limited evidence of a carcinogenic effect.

37 Irritating to respiratory system.

· Safety phrases:

2 Keep out of the reach of children.

7 Keep container tightly closed.

13 Keep away from food, drink and animal feedingstuffs.

36/37 Wear suitable protective clothing and gloves.

46 If swallowed, seek medical advice immediately and show this container or label.

56 Dispose of this material and its container at hazardous or special waste collection point

· National regulations
· Technical instructions (air):

Class	Share in %
III	20.0

16 Other information:

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· Department issuing MSDS: Safety and Environment Department

· Contact: Technical Service Representative