

Date Prepared: 03/03/2011

Reviewed On: 02/11/2011

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

- **Product Identifier**
- **Product Name:** Desoxycholate Reagent
- **Catalog Number:** 211967
- **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.

• **Dangerous Components:**

64-17-5	ethanol	20.0%
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3 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
 Xn; Harmful
 R40: Limited evidence of a carcinogenic effect.
- **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:**
 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.
- **Code letter and hazard designation of product:**
 Xn Harmful
- **Hazard-determining components of labelling:**
 ethanol
 sodium desoxycholate
- **Risk phrases:**
 40 Limited evidence of a carcinogenic effect.
- **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.

(Contd. on page 2)

Date Prepared: 03/03/2011

Reviewed On: 02/11/2011

Product Name: Desoxycholate Reagent

(Contd. of page 1)

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

- **Classification system**
- **NFPA ratings (scale 0-4)**


 Health = 1
 Fire = 0
 Reactivity = 0

- **HMIS 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.
- **After swallowing** Immediately call a doctor.
- **Information for doctor** Show this product label or this MSDS.

5 Firefighting measures

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

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:** No special measures required.
- **Reference to other sections** No dangerous substances are released.

7 Handling and storage

- **Handling**
- **Precautions 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/personal protection

- **Additional information about design of technical systems:** No further data; see Section 7.

(Contd. on page 3)

Date Prepared: 03/03/2011

Reviewed On: 02/11/2011

Product Name: Desoxycholate Reagent

(Contd. of page 2)

 · **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**

 · **Appearance:**

Form:	Liquid
Color:	Light brown
Odor:	Characteristic

 · **Change in condition**
Melting point/Melting range: Not determined

Boiling point/Boiling range: Not determined

 · **Flash point:** Not applicable

 · **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
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 · **Solvent content:**

Organic solvents:	20.0 %
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10 Stability and reactivity

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

(Contd. on page 4)

Date Prepared: 03/03/2011

Reviewed On: 02/11/2011

Product Name: Desoxycholate Reagent

 · **Hazardous decomposition products:** No dangerous decomposition products known.

(Contd. of page 3)

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:** 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:
 This product or product container contains dry natural rubber latex.

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:** Not known to be hazardous to water.

13 Disposal considerations

 · **Waste treatment methods**

 · **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:** -

 · **TDG (Transport dangerous goods):**

 · **TDG class:** -

 · **Maritime transport IMDG:**

 · **IMDG Class:** -

(Contd. on page 5)

CA

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

Date Prepared: 03/03/2011

Reviewed On: 02/11/2011

Product Name: Desoxycholate Reagent

(Contd. of page 4)

- **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)**

64-17-5 ethanol

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

7732-18-5 water

302-95-4 sodium desoxycholate

64-17-5 ethanol

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

None of the ingredients is listed.

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

64-17-5 ethanol

A4

• **Canadian Substance Listing**• **Canadian Domestic Substance List (DSL)**

7732-18-5 water

302-95-4 sodium desoxycholate

64-17-5 ethanol

• **Canadian Ingredient Disclosure List (limit 0.1%)**

64-17-5 ethanol

• **Canadian Ingredient Disclosure List (limit 1%)**

None of the ingredients is listed.

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:**

Environmental, Health & Safety

Created by Michael J. Spinazzola

• **Contact:** Technical Service Representative