



Becton, Dickinson  
and Company  
BD, Franklin Lakes, NJ  
07417 USA  
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Version: 2.1  
Last revised date: 07/22/2024

# SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

## 1. Identification

Product No.:	Product name:	Common name(s), synonym(s)
220099	Cultureswab Liquid Stuart Single Swab	No data available

### Recommended restrictions

**Recommended use:** Laboratory Chemicals

**Restrictions on use:** None known.

### Manufacturer/Importer/Distributor Information

#### Manufacturer

Company Name: BD, Integrated Diagnostic Solutions  
Address: 7 Loveton Circle  
Sparks, MD 21152  
USA

Telephone: 1 844 823 5433  
Fax: not available  
Contact Person: Business Unit Product Stewardship Team  
E-mail: IDS\_SDS@bd.com

**Emergency telephone number:** CHEMTREC 1 800 424 9300

## 2. Hazard(s) identification

### Hazard Classification

Not classified

### Label Elements

**Hazard Symbol:** No symbol

**Signal Word:** No signal word.

**Hazard Statement:** Not applicable



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**Precautionary  
Statements** Not applicable

**Other hazards which do not  
result in GHS classification:** None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Acetic acid, 2-mercapto-	No data available.	68-11-1	0.0989%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

#### Description of first aid measures

<b>General information:</b>	Get medical attention if symptoms occur.
<b>Inhalation:</b>	Provide fresh air, warmth and rest, preferably in comfortable upright sitting position.
<b>Skin Contact:</b>	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.
<b>Eye contact:</b>	Flush thoroughly with water. If irritation occurs, get medical assistance.
<b>Ingestion:</b>	Get medical attention if symptoms occur.
<b>Personal Protection for First-aid Responders:</b>	No data available.
<b>Most important symptoms and effects, both acute and delayed Symptoms:</b>	No specific symptoms noted.



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**Hazards:** No data available.

**Indication of immediate medical attention and special treatment needed**

**Treatment:** IF exposed or concerned: Get medical advice/attention.

## 5. Fire-fighting measures

**General Fire Hazards:** Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Use water spray to keep fire-exposed containers cool.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Water spray, foam, dry powder or carbon dioxide. Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** Avoid water in straight hose stream; will scatter and spread fire.

**Special hazards arising from the substance or mixture:** None known.

**Special protective equipment and precautions for fire-fighters**

**Special fire-fighting procedures:** No unusual fire or explosion hazards noted.

**Special protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** No special precautionary health measures should be needed under anticipated conditions of use.

**Accidental release measures:** No data available.

**Methods and material for containment and cleaning up:** No specific clean-up procedure noted.



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**Environmental Precautions:** Avoid release to the environment.

## 7. Handling and storage

### Handling

**Technical measures:** No data available.

**Local/Total ventilation:** No data available.

**Safe handling advice:** When using do not eat, drink or smoke. Read and follow manufacturer's recommendations. Use personal protective equipment as required.

**Contact avoidance measures:** No data available.

### Storage

**Safe storage conditions:** Store in a cool, dry place. Keep container tightly closed.

**Safe packaging materials:** No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values		Source
Acetic acid, 2-mercapto-	TWA	1 ppm	4 mg/m <sup>3</sup>	OSHA Z1A
	TWA	1 ppm	4 mg/m <sup>3</sup>	TN OEL
	ST ESL		1.25 µg/m <sup>3</sup>	TX ESL
	ST ESL		0.2 ppb	TX ESL
	AN ESL		4 µg/m <sup>3</sup>	TX ESL



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	AN ESL		1 ppb	TX ESL
	TWA PEL	1 ppm	3.8 mg/m3	US CA OEL
	REL	1 ppm	4 mg/m3	NIOSH
	TWA	1 ppm		ACGIH

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

#### **Biological Limit Values**

No biological exposure limits noted for the ingredient(s).

#### **Appropriate Engineering Controls**

No special requirements under ordinary conditions of use and with adequate ventilation.

#### **Individual protection measures, such as personal protective equipment**

##### **Eye/face protection:**

Wear safety glasses with side shields (or goggles).

#### **Skin Protection**

##### **Hand Protection:**

Material: Chemical resistant gloves

##### **Skin and Body Protection:**

Wear a lab coat or similar protective clothing.

##### **Respiratory Protection:**

Respiratory protection not required.



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**Hygiene measures:** Observe good industrial hygiene practices.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

#### Appearance

**Physical state:** liquid  
**Form:** liquid  
**Color:** According to product specification.

**Odor:** Characteristic

**Odor Threshold:** No data available.

**Freezing point:** No data available.

**Boiling Point:** No data available.

**Flammability:** No data available.

#### Upper/lower limit on flammability or explosive limits

**Explosive limit - upper:** No data available.

**Explosive limit - lower:** No data available.

**Flash Point:** Not applicable

**Self-ignition:** No data available.

**Decomposition Temperature:** No data available.

**pH:** No data available.

#### Viscosity

**Dynamic viscosity:** Not determined.

**Kinematic viscosity:** Not determined.

**Flow Time:** No data available.

#### Solubility(ies)

**Solubility in Water:** Completely Soluble

**Solubility (other):** No data available.

**Partition coefficient (n-octanol/water):** No data available.

**Vapor pressure:** No data available.

**Relative density:** No data available.

**Density:** No data available.



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**Bulk density:** No data available.

**Relative vapor density:** No data available.

**Other information**

**Metal Corrosion:** Non-corrosive per US Department of Transportation testing protocol.

## 10. Stability and reactivity

**Reactivity:** Material is stable under normal conditions.

**Chemical Stability:** Material is stable under normal conditions.

**Possibility of hazardous reactions:** Not known.

**Conditions to avoid:** Avoid exposure to high temperatures or direct sunlight.

**Incompatible Materials:** Strong oxidizers.

**Hazardous Decomposition Products:** Not known.

## 11. Toxicological information

**General information:** No information about adverse effects due to exposure.

**Information on likely routes of exposure**

**Inhalation:** Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

**Skin Contact:** Negligible irritation to skin at ambient temperatures.

**Eye contact:** Do not get in eyes.

**Ingestion:** In the event of inhalation (ingestion), seek medical attention immediately

**Acute toxicity (list all possible routes of exposure)**

**Oral**

**Product:** Not classified for acute toxicity based on available data.



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**Components:**

Acetic acid, 2-mercapto- No data available.

**Dermal**

**Product:** Not classified for acute toxicity based on available data.

**Components:**

Acetic acid, 2-mercapto- No data available.

**Inhalation**

**Product:** Not classified for acute toxicity based on available data.

**Components:**

Acetic acid, 2-mercapto- No data available.

**Repeated dose toxicity**

**Product:** No data available.

**Components:**

Acetic acid, 2-mercapto- NOAEL Mouse, Female, Male, Dermal, 13 Weeks, 22.5 mg/kg, Read-across from supporting substance (structural analogue or surrogate), Key study Dermal  
NOAEL Rat, Female, Male, Dermal, 13 Weeks,  $\geq 180$  mg/kg, Read-across from supporting substance (structural analogue or surrogate), Key study Dermal  
NOAEL Mouse, Female, Male, Dermal, 13 Weeks,  $\geq 360$  mg/kg, Read-across from supporting substance (structural analogue or surrogate), Key study Dermal  
LOAEL Rat, Female, Male, Dermal, 13 Weeks, 11.25 mg/kg, Read-across from supporting substance (structural analogue or surrogate), Key study Dermal  
LOAEL Rat, Male, Inhalation, 0.45 mg/m<sup>3</sup>, Experimental result, Not specified Inhalation

**Skin Corrosion/Irritation**

**Product:** No data available.

**Components:**

Acetic acid, 2-mercapto- No data available.

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Components:**

Acetic acid, 2-mercapto- No data available.

**Respiratory or Skin Sensitization**

**Product:** No data available.

**Components:**

Acetic acid, 2-mercapto- No data available.

**Carcinogenicity**

**Product:** No data available.





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**Components:**

Acetic acid, 2-mercapto- No data available.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogens present or none present in regulated quantities

**ACGIH: US.ACGIH Threshold Limit Values:**

No carcinogens present or none present in regulated quantities

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogens present or none present in regulated quantities

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended:**

No carcinogens present or none present in regulated quantities

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**Components:**

Acetic acid, 2-mercapto- No data available.

**In vivo**

**Product:** No data available.

**Components:**

Acetic acid, 2-mercapto- No data available.

**Reproductive toxicity**

**Product:** No data available.

**Components:**

Acetic acid, 2-mercapto- No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Components:**

Acetic acid, 2-mercapto- No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Components:**

Acetic acid, 2-mercapto- No data available.

**Aspiration Hazard**

**Product:** No data available.

**Components:**

Acetic acid, 2-mercapto- No data available.



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## Information on health hazards

### Other hazards

**Product:** No data available.

## 12. Ecological information

**General information:** This material has not been tested for environmental effects.

### Ecotoxicity:

#### Acute hazards to the aquatic environment:

##### Fish

**Product:** No data available.

**Components:**

Acetic acid, 2-mercapto- LC 50, Oncorhynchus mykiss, 96 h, > 100 mg/lflow-through, Experimental result, Key study  
LC 0, Oncorhynchus mykiss, 96 h, > 100 mg/lflow-through, Experimental result, Key study  
NOAEL, Oncorhynchus mykiss, 96 h, 100 mg/lflow-through, Experimental result, Key study  
LC 50, Pimephales promelas, 96 h, 30 mg/lStatic, Not specified, Not specified

##### Aquatic Invertebrates

**Product:** No data available.

**Components:**

Acetic acid, 2-mercapto- No data available.

##### Toxicity to Aquatic Plants

**Product:** No data available.

**Components:**

Acetic acid, 2-mercapto- No data available.

##### Toxicity to microorganisms

**Product:** No data available.

**Components:**

Acetic acid, 2-mercapto- No data available.

#### Chronic hazards to the aquatic environment:

##### Fish



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**Product:** No data available.  
**Components:**  
Acetic acid, 2-mercapto- No data available.

#### **Aquatic Invertebrates**

**Product:** No data available.  
**Components:**  
Acetic acid, 2-mercapto- No data available.

#### **Toxicity to microorganisms**

**Product:** No data available.  
**Components:**  
Acetic acid, 2-mercapto- No data available.

#### **Persistence and Degradability**

##### **Biodegradation**

**Product:** No data available.  
**Components:**  
Acetic acid, 2-mercapto- No data available.

##### **BOD/COD Ratio**

**Product:** No data available.  
**Components:**  
Acetic acid, 2-mercapto- No data available.

#### **Bioaccumulative potential**

##### **Bioconcentration Factor (BCF)**

**Product:** No data available.  
**Components:**  
Acetic acid, 2-mercapto- No data available.

##### **Partition Coefficient n-octanol / water (log Kow)**

**Product:** , No data available.  
**Components:**  
Acetic acid, 2-mercapto- No data available.

#### **Mobility in soil:**

**Product:** No data available.  
**Components:**  
Acetic acid, 2-mercapto- No data available.

#### **Results of PBT and vPvB assessment:**



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**Product:** No data available.  
**Components:**  
Acetic acid, 2-mercapto- No data available.

**Other adverse effects:**

**Other hazards**  
**Product:** The dangerous properties of the product cannot be evaluated from the available data. Avoid release to the environment.

### 13. Disposal considerations

**General information:** Dispose of waste and residues in accordance with local authority requirements. The solid and liquid waste should be handled according to their nature and degree of hazardousness.

**Disposal methods:** Dispose of waste and residues in accordance with local authority requirements.

**Contaminated Packaging:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

### 14. Transport information

**Environmental Hazards**

Environmentally Hazardous: No  
Marine Pollutant: No

**IATA**

Not Regulated.

**IMDG**



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Not Regulated.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

<b>15. Regulatory information</b>
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**US Federal Regulations**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.

**US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Proposed Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)**

None present or none present in regulated quantities.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

None present or none present in regulated quantities.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**



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Not classified

**US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances**

None present or none present in regulated quantities.

**US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting**

None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

**US State Regulations**

**US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

**International regulations**

**Montreal protocol**

Not applicable

**Stockholm convention**

Not applicable



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**Rotterdam convention**  
Not applicable

**Kyoto protocol**  
Not applicable

<b>16. Other information, including date of preparation or last revision</b>
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<b>Date of first report version:</b>	04/19/2014

**Abbreviations and acronyms:**

ACGIH:	US. ACGIH Threshold Limit Values, as amended
NIOSH/GUIDE:	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
TN OEL:	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended
TX ESL:	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended
US CA OEL:	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended
Z1A:	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
ACGIH / TWA:	Time Weighted Average (TWA):
NIOSH/GUIDE / REL:	Recommended exposure limit (REL):
TN OEL / TWA:	Time Weighted Average (TWA):
TX ESL / ST ESL:	Short-Term ESL:



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TX ESL / AN ESL: Annual ESL:  
US CA OEL / TWA PEL: Time Weighted Average (TWA) Permissible Exposure Limit (PEL):  
Z1A / TWA: Time Weighted Average (TWA):

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECL - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative





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**Source of information:** European Chemicals Agency (ECHA): Information on Chemicals.

**Further Information:** No data available.

**Disclaimer**

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