



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

Product Identifier
Product Name: **BD SurePath™ Preservative Fluid**
Catalog Number: 490507

Details of the supplier of the safety data sheet
Manufacturer/Supplier:

BD Diagnostics - TriPath
780 Plantation Drive
Burlington, NC 27215
Telephone: (336) 290 - 8300 or 866 - TriPath (option#1)
Information Department: Technical Service

Emergency telephone number: (336) 290-8300 or (866) TriPath (option # 1), 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	21.7%
67-56-1 methanol	1.2%
67-63-0 isopropanol	1.1%

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.

R10: Flammable.

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

Labeling according to EU guidelines:

The product has been classified and marked in accordance with regulations on hazardous materials.

Code letter and hazard designation of product:

Xn Harmful

Hazard-determining components of labeling:

ethanol

formaldehyde

Risk phrases:

10 Flammable

40 Limited evidence of a carcinogenic effect.

Safety phrases:

7 Keep container tightly closed.

16 Keep away from sources of ignition - No smoking

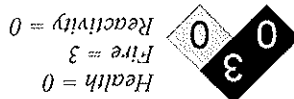
23 Do not breathe gas/fumes/vapour/spray.



Product Name: **BD SurePath™ Preservative Fluid**

36/37 Wear suitable protective clothing and gloves.
60 This material and its container must be disposed of as hazardous waste.

·NF PA ratings (scale 0-4)



·HMIS ratings (scale 0-4)

HEALTH	0
FIRE	3
REACTIVITY	0

Health = 0
Fire = 3
Reactivity = 0

·General information Immediately remove contaminated clothing.

·A fire inhalation

Supply fresh air and seek medical advice.

In case of unconsciousness place patient on side position for transportation.

·A fire skin contact Immediately wash with water and soap and rinse thoroughly.

·A fire eye contact Rinse opened eye for 15 minutes under running water. Then consult a doctor.

·A fire swallowing

Do not induce vomiting; immediately call for medical help.

Drink copious amounts of water and provide fresh air. Immediately call a doctor.

·Information for doctor Show this product label or this MSDS.

5 Firefighting measures

·Suitable extinguishing agents

CO₂, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.

·For safety reasons unsuitable extinguishing agents Water with full jet.

·Protective equipment:

Wear fully protective suit.
Wear self-contained respiratory protective device.

6 Accidental release measures

·Personal precautions, protective equipment and emergency procedures

Use respiratory protective device.

Wear protective clothing.

·Environmental precautions: Wipe up with damp sponge or mop.

·Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

·Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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USA



Material Safety Data Sheet
acc. to ISO/DIS 11014

Date Prepared: 03/01/2011

Reviewed On: 02/11/2011

Product Name: **BD SurePath™ Preservative Fluid**

Protection of hands:



Chemical resistant gloves (i.e. nitrile, or equivalent).

Eye protection: Safety glasses

Body protection: Protective work clothing (lab coat).

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General Information

Appearance:

Form:

Liquid

Color:

Clear

Odor:

Colorless
Alcohol-like

pH-value at 20°C (68 °F):

7.2

Change in condition

Melting point/Melting range: Not determined
Boiling point/Boiling range: 86°C (187 °F)

Flash point:

35°C (95 °F)

Ignition temperature:

425.0°C (797 °F)

Auto igniting:

Product is not self igniting.

Danger of explosion:

Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

Explosion limits:

Lower: 3.5 Vol %
Upper: 15.0 Vol %

Vapor pressure at 20°C (68 °F): 59.0 hPa (44 mm Hg)

Density:

Not determined

Solubility in / Miscibility with

Water: Soluble

Solvent content:

Organic solvents: 24.2 %

Water:

74.7 %

Solids content:

0.9 %

10 Stability and reactivity

The final decomposition / conditions to be avoided: No decomposition if used according to specifications.
In compatible materials: Incompatible material: strong oxidizers.

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USA



Product Name: BD SurePath™ Preservative Fluid

Hazardous decomposition products: No dangerous decomposition products known
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11 Toxicological information

Acute toxicity:

LD/LC50 values that are relevant for classification:

64-1-7-5 ethanol	Oral LD50	3450 mg/kg (MOU)	7060 mg/kg (rat)
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Primary irritant effect:

on the skin: No irritating effect

in the eye: No irritating effect

Sensitization: No sensitizing effects known

Subacute to chronic toxicity:

Target organs: thyroid, kidney, ureter or bladder tumors.

Target organ: liver

Additional toxicological information:

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

12 Ecological information

Aquatic toxicity: This material is not expected to be toxic to aquatic life.

Ecotoxic effects:

Other information:

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

Additional ecological information:

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

13 Disposal considerations

Waste treatment methods

Recommendation

Must not be disposed of with solid waste

Dispose of material in accordance with federal (40 CFR 261.3), state and local requirements.

RCA hazardous waste - RCA # D001 (ignitable).

Unlabeled packagings:

Recommendation: Disposal must be made according to state and federal regulations.

Recommendation: Water, if necessary with cleansing agents.

14 Transport information

DOT regulations:

Hazard class: -

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Remarks: 49CFR 173.150(e)(2) - States that aqueous solution of alcohol containing 24 percent or less alcohol by volume and no other hazardous material can be re-class as a combustible liquid and is not subject to the requirements.

Transportation: ICAO-TI and IATA-DGR: -
ADR/RID class: -
ADR/RID (cross-border): -

Maritime transport IMDG: IMDG Class: -
Maritime pollutant: No

Remarks: IMDG Special Provision 144 - An aqueous solution containing not more than 24% alcohol by volume is not subject to the provisions of this code.

Air transport ICAO-TI and IATA-DGR: ICAO/IATA Class: -
Remarks: IATA Special Provision A58 - Aqueous solutions containing 24% or less alcohol by volume is not subject to these regulations.

Transport/Additional information: 49 CFR §173.150 Exceptions For Class 3 (Flammable) and Combustible Liquids being used.

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

67-56-1 methanol

67-63-0 isopropanol

TSCA (Toxic Substances Control Act)

7732-18-5 water

64-17-5 ethanol

67-56-1 methanol

67-63-0 isopropanol

7647-14-5 sodium chloride

7758-11-4 potassium phosphate, dibasic

50-00-0 formaldehyde

California Proposition 65 - Chemicals known to cause cancer

Formaldehyde is toxic, allergenic, and is known to the state of California to cause cancer. Note: Formaldehyde poses a cancer threat through inhalation of the gas or vapor.

50-00-0 formaldehyde

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:

64-17-5 ethanol

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usa



Product Name: BD SurePath™ Preservative Fluid

· Carcinogenic categories

· NTP (National Toxicology Program)

50-00-0 formaldehyde

R

· TLV (Threshold Limit Value established by ACGIH)

64-17-5 ethanol

A4

67-63-0 isopropanol

A4

50-00-0 formaldehyde

A2

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.

· Deparment issuing MSDS:

Environmental, Health & Safety

Created by Michael J. Spinazzola

· Contact: Technical Service Representative