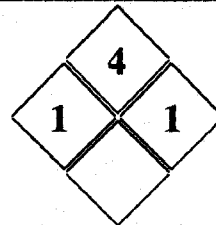


No longer in use 10/1/92

# 10376

# Material Safety Data Sheet



**COMMON NAME** Cytology Fixative by Surgipath

**SYNONYMS**  
Cyto Jar  
Spray Fix

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

## Section I

<b>Manufacture / Preparer</b> Surgipath Medical Industries, Inc. 5205 Route 12 Richmond, IL 60071	<b>Emergency Telephone Number</b> 800-424-9300
	<b>Telephone Number for Information</b> Unk
	<b>Date Prepared</b> April 1992
	<b>Signature of Preparer (optional)</b>

## Section II - Hazardous Ingredients / Identity Information

Hazardous Components (Specific Chemical Identity)	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(optional)
Ethanol CAS # 64-17-5	TWA 1000 ppm	TWA 1000 ppm		
Polyethylene Glycol CAS # 25-322-683				
Toluidine Blue O (Cyto Jar only) CAS # 92-31-9				
Methanol (denatured) CAS # 67-56-1	TWA 200 ppm	TWA 200 ppm	STEL 250 ppm	<5
Isopropyl Alcohol (denatured) CAS # 67-63-0	TWA 400 ppm	TWA 400 ppm	STEL 500 ppm	<10

## Section III - Physical / Chemical Characteristics

Boiling Point	169-180°F	Specific Gravity (H <sub>2</sub> O = 1)	Unk
Vapor Pressure (mm Hg)	~ 44 @ 68°F	Melting Point	Unk
Vapor Density (AIR = 1)	~ 1.5	Evaporation Rate (Butyl Acetate = 1)	~ 1.4
Solubility in Water	complete		
Appearance and Odor	clear, colorless liquid; alcohol odor		

## Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	59°F	<b>NFPA Rating: 4</b>		
Extinguishing Media	alcohol foam; carbon dioxide; dry chemicals	Flammable Limits	LEL	UEL
		auto-ignition: 685°F	3.3	19.0

**Special Fire Fighting Procedures**  
Wear a self-contained breathing apparatus and protective clothing. Cool exposed containers with water.

**Unusual Fire and Explosion Hazards**  
na

**Section V - Reactivity Data**

NFPA Rating: 1

Stability	Unstable		Conditions to Avoid heat, sparks, open flames
	Stable	X	

Incompatibility (Materials to Avoid) strong oxidizing agents

Hazardous Decomposition or By-products carbon monoxide

Hazardous Polymerization	May Occur		Conditions to Avoid heat, sparks, open flames
	Will Not Occur	X	

**Section VI - Health Hazard Data**

NFPA Rating: 1

Route(s) of Entry: Inhalation? yes Skin? yes Ingestion? yes

Target Organs: eyes; respiratory system

Health Hazards (Acute and Chronic)

May cause irritation to the eyes, nose, throat, or may cause headache. Chronic overexposure may cause loss of appetite or the inability to concentrate.

Carcinogenicity NTP? no IARC Monographs? yes OSHA Regulated? no

Signs and Symptoms of Exposure

local irritation, headache, loss of appetite, inability to concentrate

Medical Conditions Generally Aggravated by Exposure

Unk

Emergency and First Aid Procedures

Eyes: flush with water for 15 minutes; get medical attention  
Skin: wash with soap and water; get medical attention Inh: remove to fresh air; assist breathing as needed  
Ing: induce vomiting; drink two glasses of water; get medical attention

**Section VII - Precautions for Safe Handling and Use**

Steps to be taken in Case Material is Released or Spilled

Eliminate all ignition sources. Wear approved respirator. Dike and remove liquid in an approved salvage container.

Waste Disposal Method

Refer to Hazardous Waste Management or consult manufacturer.

Precautions to Be Taken in Handling and Storing

Store at room temperature away from heat, sparks and other sources of ignition.

Other Precautions

Handle as a flammable liquid.

**Section VIII - Control Measures**

Respiratory Protection (Specify Type)

use an air-supplied respirator if vapor levels exceed TLV

Ventilation	Local	recommended	Special	na
	Mechanical (General)	in confined areas	Other	na

Protective Gloves plastic or rubber gloves

Other Protective Clothing or Equipment eyewash station, safety shower

Work Hygienic na

Eye Protection safety goggles