

SEP 11 1995

Quick Identifier (In Plant Common Name): Cytology Fixative

Manufacturers:
Surgipath Medical Industries, Inc.
5205 Route 12
Richmond, Illinois 60071

Emergency Telephone Numbers:
1-800-424-9300 Chemtrec USA
1-212-483-7616 Chemtrec Canada
1-800-225-8867
1-815-678-2000

Person Responsible For Preparation: Ken Urban

Date Prepared: April, 1995

Ship To: Bill To:

SECTION 1 - IDENTITY

Common Name:(Used on Label) Sed-Fix Concentrate,Sed-Fix Working,Sprayfix,Cytology Fixative,Cytojar Cas No.
(Trade Name & Synonyms) Mixture

Chemical Name : Mixture
Chemical Family : Mixture
Formula : Mixture

SECTION 2 - HAZARDOUS INGREDIENTS

Principal Hazardous Component(s) (Chemical & Common Names)

	Cas#	%	Permissible Exposure Limits(OSHA).....		Threshold Limit Value(ACGIH).....	
			TWA	OTHER	TWA	OTHER
Ethanol, 95%	64175	N/A	1000 ppm	N/A	1000 ppm	N/A
Polyethylene Glycol	25322683	N/A	N/A	N/A	N/A	N/A
Toluidine Blue O*(Cytojar,Sed-Fix,Working)	92319	N/A	N/A	N/A	N/A	N/A
Methanol (denaturant)	67561	< 5	200 ppm	250 STEL	200 ppm	250 STEL
Isopropyl Alcohol (denaturant)	67630	<10	400 ppm	500 STEL	400 ppm	500 STEL

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Point..... 169 - 180 F
 Specific Gravity..... (H2O = 1) Unknown
 Vapor Pressure..... (mm Hg) Ca 44 @ 68 F
 Percent Volatile by Volume (%)..... 100
 Vapor Density..... (Air = 1) ca 1.5
 Evaporation Rate..... (Butyl acetate = 1) ca 1.4
 Solubility in Water..... Complete
 Reactivity in Water..... Non-reactive
 Appearance and Odor :..... Clear, colorless liquid, alcohol odor.

Flash Point..... 59 F
 Flammable Limits in Air % by Volume Lower... 3.3 Upper... 19.0
 Extinguisher Media..... Alcohol foam, CO2 Dry Chemicals
 Auto-Ignition Temperature..... 685 F

Special Fire Fighting Procedures:

Cool Exposed containers with water.
Use self contained NIOSH approved breathing apparatus.

Unusual Fire and Explosion Hazards:

None. Handle as a flammable liquid.

SECTION 4 - PHYSICAL HAZARDS

Stability Stable Conditions to Avoid Heat, sparks, open flames

Incompatibility (Materials to Avoid) Strong Oxidizing Agents

Hazardous Decomposition Product: CO from incomplete combustion

Hazardous Polymerization Will Not Occur

Conditions to Avoid: See above, this section

SECTION 5 - HEALTH HAZARDS

Emergency and First Aid Procedures:

- 1. Inhalation - If breathing is affected remove victim to fresh air and provide O2 if necessary. Get medical attention.
2. Eyes - Flush with water for 15 minutes. Get medical attention.
3. SKIN - Wash thoroughly with soap and water. Rinse.
4. Ingestion - Induce vomiting. Give two glasses of water. Get medical attention.

Signs and Symptoms of Exposure:

- 1. Acute Overexposure - May cause irritation to eyes, nose, throat, and headache.
2. Chronic Overexposure - Loss of appetite, inability to concentrate

Medical Conditions Generally Aggravated by Exposure: Unknown

Chemical Listed as a Carcinogen or Potential Carcinogen: Isopropanol

National Toxicological Program No

I.A.R.C. Monographs Yes Group 3

None

OSHA No

I.A.R.C. considers Group 3 substances as not classifiable as to carcinogenicity to humans.

SECTION 6 - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type):

Use NIOSH approved breathing apparatus to prevent over exposure if vapor levels exceed TLV.

Ventilation: Recommended

Local Exhaust
Recommended

Mechanical (General)
In confined areas.

Special
Not normally required

Other
Unknown

Protective Gloves: Plastic or rubber

Eye Protection : Goggles

Other Protective Clothing or Equipment:

Eye bath, safety shower

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

This product contains the following toxic chemicals subject to SARA Title III reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

CAS#	CHEMICAL NAME	% BY WEIGHT
67-56-1	Methyl Alcohol	<5
67-63-0	Isopropyl Alcohol	<10

Precautions to be Taken in Handling and Storage:

Store at room temperature (70 F) away from heat, sparks, open flames.

Other Precautions:

None. Handle as flammable liquid

Steps to be Taken in Case Material is Released or Spilled:

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

Waste Disposal Methods:

Remove to approved hazardous waste facility in accordance with local, state and federal regulations.

The information provided in this Material Safety Data Sheet has been obtained from sources believed to be reliable. Surgipath Medical Industries, Inc. provides no responsibility for the accuracy or completeness of the data contained herein. This information is offered for your information, consideration and investigation. You should satisfy yourself that you have all current data relevant to your particular use. Surgipath Medical Industries, Inc. knows of no medical condition, other than those noted on this material safety data sheet, which are generally recognized as being aggravated by exposure to this product.