IDENTITY (As Used on Label and Dilute Embalming Fluid (in					<del></del>			
Section I	-Former dissues)					<u> </u>		
Manufacturer's Name		Emergency Telen	hone Number					
Ward's Natural Science Establishment			Emergency Telephone Number Chemtrec 800-424-9300					
Address (Number, Street, City, State, and ZIP Code)		Telephone Number for Information						
5100 West Henrietta Road		800-962-2660						
Rochester, NY 14692-9012		Date Prepared						
		November 6, 2003						
		Signature of Preparer (Optional)						
Section II - Hazardous Ingre	edients/Identity Infor	mation				-		
Hazardous Components (Specific Chemical Identity; Common Name(s))		CAS#	OSHA PEL	ACGIH TLV	Other Limits	% Optional		
Formalin		50-00-0	0.75ppm	0.75ppm	<del></del>	<4.00%		
Phenol		108-95-2	5ppm*	5ppm*		2.80%		
Ethylene glycol		107-21-1	50ppm	50ppm		5.50%		
Water		7732-18-5	N/A	N/A		>87.70%		
*Indicates exposure level for s	kin							
Dilute embalming fluid is pres	ent in specimen tissues	S	-					
as a result of initial fixation.								
Traces of fixative may also be	present as residual							
eachate in packing fluid.								
					<u> </u>			
ection III - Physical/Chemic						<u> </u>		
Boiling Point	>100C (210F)	Specific Gravity (H <sub>2</sub> O = 1)						
apor Pressure (mm Hg.)	>1.0	Melting Point N/A						
apor Density (AIR = 1)	N/A	Evaporation Rate n-butyl acetate=1			<1			
olubility in Water ompletely soluble			;			<del></del>		

Section IV - Fire		n Hazard			
Flash Point (Method Used) >210F		Flammable Limits		LEL	UEL
		1		N/A	N/A
Extinguishing Mo Material is non-fla		<u> </u>			
Special Fire Figh					
Use media best sui					
Unusual Fire and			<del></del>		<u> </u>
None. Material is a		). 			
Section V - React	<del></del>				
Stability	Unstable	No	Condition	Conditions to Avoid	
Stable Yes Strong oxidizing agents					
ncompatability (1	Materials to Avoid)				
Avoid contact with	hydrochloric	acid. HCl	contact prod	uces BIS-chloromethyl etl	her, a carcinogen.
Iazardous Decon					<del></del>
formaldehyde gas,	carbon dioxid	le, carbon r	nonoxide.		
	May	No	Conditions to Avoid		
olymerization	Occur			is to Avolu	
	Will Not	Yes	Strong oxidizing agents		
	Occur				
ection VI - Healt		a			
Route(s) of Entry:		Inhalation? Yes		Skin?	Ingestion?
				Yes	Not likely
lealth Hazards (A				<u> </u>	<u>.</u>
<sup>7</sup> apors may cause i	rritation of ey	es and resp	iratory tract	in confined situations wit	h poor ventilation. Repeated
rolonged skin con	tact may cause	dryness a	nd irritation	in some individuals.	
Carcinogenicity:		NTP?	-	IARC Monographs?	OSHA Regulated
Potential carcinogen		No		A2 potential carcinogen	_
otential carcinoge		l^ '`		1212 potential caremogen	Yes

Carcinogenicity: Potential carcinogen	NTP? No	IARC Monographs? A2 potential carcinogen (formaldehyde)	OSHA Regulated? Yes
<u> </u>			

## Signs and Symptoms of Exposure

Embalming fluid is a tissue fixative. Avoid skin and eye contact by using protective gear. Avoid breathing vapors which can irritate mucous membranes. Prolonged skin contact may cause dryness, tanning of the skin, allergic reactions and/or dermatitis.

## Medical Conditions Generally Aggravated by Exposure

Can cause skin, nose, eye, and upper respiratory tract irritation. Can cause allergic reactions in hypersensitive individuals.

## **Emergency and First Aid Procedures**

Inhalation: Remove to fresh air. Give oxygen if breathing is difficult. Give artificial respiration if breathing has stopped. Get medical attention. Eyes: Flush immediately with running water for 15 minutes, lifting upper and lower eyelids. Get medical attention if irritation persists. Skin: Flush thoroughly with soap and water if contact occurs. Ingestion: Give large amounts of water or milk if conscious. Induce vomiting. Get medical attention immediately.

## Section VII - Precautions for Safe Handling and Use

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

Small amounts may be flushed to sewer if regulations permit. Otherwise use absorbent media. Provide extra ventilation in spill area.

#### Waste Disposal Method

Discharge and disposal may be subject to federal, state, and local regulations.

# Precautions to be Taken in Handling and Storage

Use recommended protective gear. Use with adequate ventilation.

Other Precautions: For lab use only. Not for drug, food, or cosmetic use. Keep out of reach of children. Avoid prolonged breathing of vapors. Keep away from heat, sparks, or open flames. Keep containers tightly closed when not in use. Remove and wash contaminated clothing.

## Section VIII - Control Measures

## Respiratory Protection (Specify Type)

None needed in normal laboratory situations with general ventilation.

Ventilation	Local Exhaust Recommended	Special Not required
	Mechanical Recommended	Other Adequate to maintain below exposure limit.
<b>Protective Gloves</b>	Recommended	Eye Protection Recommended

## Other Protective Clothing or Equipment

Lab coat, apron, with eyewash station in proximity.

#### Work/Hygenic Practices

Wear protective gear. Wash hands thoroughly with soap and water after use.

## FOR ADDITIONAL INFORMATION:

Contact Ward's Safety Manager during business hours at (800) 962-2660.

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