Material Safety Data Sheet

EMBALMING FLUID, CONC.

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Carolina Biological Supply Company
2700 York Rd | Burlington, NC 27215 • to order: 800.334.5551 • for support: 800.227.1150

CAROLINA
www.carolina.com

Section 1 - Product Description

Product Name: Embalming Fluid (Discontinued)
Product Code(s): 85-9393 (Discontinued), 85-9395 (Discontinued)
Size: 1 L, 4 L
Chemical Name: N/A
CAS Number: See Section 3
Formula: See Section 3
Synonyms: None
Distributor: Carolina Biological Supply Company, 2700 York Road, Burlington, NC 27215
Chemical Information: 800-227-1150 (8am-5pm (ET) M-F) **Chemtrec** 800-424-9300 (Transportation Spill Response 24 hours)

Section 2 - Hazard Identification

Emergency Overview: Causes burns.
Potential Health Effects:
Eyes: May cause irritation.
Skin: May cause irritation to skin.
Ingestion: May severely irritate or damage digestive tract.
Inhalation: May cause irritation to respiratory tract.

Section 3 - Composition / Information on Ingredients

Principal Hazardous Components: Phenol: (CAS#108-95-2); Methanol: (CAS#67-56-1); Ethylene Glycol (CAS# 107-21-1); Formaldehyde (CAS#50-0-0); Isopropanol(CAS#67-63-0)
TLV units: Phenol: ACGIH-TLV 5 ppm (skin) (TWA)
Methanol: ACGIH-TLV 200 ppm (TWA); 250 ppm (STEL)
Ethylene Glycol: ACGIH-TLV 100 mg/m3 (Ceiling)
Formaldehyde: ACGIH-TLV 0.3 ppm (Ceiling)
Isopropanol: ACGIH-TLV 200 ppm (TWA); 400 ppm (STEL)
PEL units: Phenol: OSHA-PEL: 5 ppm (skin) (TWA)
Methanol: OSHA-PEL 200 ppm (TWA)
Formaldehyde: OSHA-PEL 0.75 ppm (TWA); 2 ppm (STEL)
Isopropanol: OSHA-PEL 400 ppm (TWA)

Section 4 - First Aid Measures

Emergency and First Aid Procedures:

Eyes - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin - After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of ... (Water, unless specified as a water reactive material).

Ingestion - If swallowed, rinse mouth with water (only if the person is conscious). If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Inhalation - In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Section 5 - Firefighting Procedures

Flash Point (Method Used): N/A

NFPA Rating:

Health: 3

Fire: 3

Reactivity: 0

Extinguisher Media: Use media suitable to extinguish surrounding fire.

Flammable Limits in Air % by Volume: N/A

Autoignition Temperature: N/A

Special Firefighting Procedures: Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Fire or excessive heat may produce hazardous decomposition products.

Section 6 - Spill or Leak Procedures

Steps to Take in Case Material Is Released or Spilled: Ventilate area of spill. Eliminate all sources of ignition. Remove all non-essential personnel from area. Clean-up personnel should wear proper protective equipment and clothing. Absorb material with suitable absorbent and containerize for disposal.

Section 7 - Special Precautions

Precautions to Take in Handling or Storing: Keep container tightly closed in a cool, well-ventilated place. Keep container dry.

Section 8 - Protection Information

Respiratory Protection (Specify Type): None needed under normal conditions of use with adequate ventilation. A NIOSH/MSHA chemical cartridge respirator should be worn if PEL or TLV is exceeded.

Ventilation:

Local Exhaust: Preferred

Mechanical(General): Acceptable

Special: No

Other: No

Protective Gloves: Natural rubber, Neoprene, PVC or equivalent.

Eye Protection: Splash proof chemical safety goggles should be worn.

Other Protective Clothing or Equipment: Lab coat, apron, eye wash, safety shower.

Section 9 - Physical Data

Molecular Weight: N/A

Boiling Point: N/A

Vapor Density(Air=1): N/A

Melting Point: N/A

Vapor Pressure: N/A

Specific Gravity (H2O=1): N/A

Percent Volatile by Volume: Approx. 99.5%
Evaporation Rate (BuAc=1): N/A
Solubility in Water: Soluble
Appearance and Odor: Clear, colorless liquid with pungent odor.

Section 10 - Reactivity Data

Stability: Stable
Conditions to Avoid: N/A
Incompatibility (Materials to Avoid): Water-reactive Material,
Hazardous Decomposition Products: Aldehydes, COx,
Hazardous Polymerization: Will not occur

Section 11 - Toxicity Data

Toxicity Data: (Phenol) orl-rat LD50 317 mg/kg
(Methanol) orl-rat LD50 5628 mg/kg
(Ethylene Glycol) orl-rat LD50 4000 mg/kg
(Formaldehyde) orl-rat LD50 800 mg/kg
(Isopropanol) orl-rat LD50 5045 mg/kg
Effects of Overexposure:
Acute: See Section 2
Chronic: Certain components or species of this product are considered potential carcinogens. Mutation data cited.
Conditions Aggravated by Overexposure: Impaired Kidney Function, Liver disorders, Eye disorders, Skin disorders,
Target Organs: Ingestion, skin and eye contact. Ingestion. Inhalation.
Primary Route(s) of Entry: Inhalation, ingestion, eye or skin contact.

Section 12 - Ecological Data

EPA Waste Numbers: Formaldehyde (U122), Phenol (U188) and Methanol (U154)

Section 13 - Disposal Information

Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.

Section 14 - Transport Information

DOT Proper Shipping Name: UN1992, Description: Flammable liquids, toxic, n.o.s.(isopropanol, phenol, ethylene glycol), 3, II

Section 15 - Regulatory Information

EPA TSCA Status: On TSCA Inventory
Hazard Category for SARA Section 311/312 Reporting: Chronic Acute

Name List:	**Chemical Category:**
Phenol - Yes	Phenol - No
Methanol - Yes	Methanol - No
Ethylene Glycol - Yes	Ethylene Glycol - No
Formaldehyde - Yes	Formaldehyde - No
Isopropanol - Yes	Isopropanol - No

CERCLA Section 103 RQ(lb.): Phenol - 1000

Methanol - 5000
Ethylene Glycol - No
Formaldehyde - 100
Isopropanol - No
RCRA Section 261.33: Phenol - Yes
Methanol - Yes
Ethylene Glycol - No
Formaldehyde - Yes
Isopropanol - No

Section 16 - Additional Information

The information provided in this Material Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Material Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

Glossary

ACGIH	American Conference of Governmental Industrial Hygienists
CAS Number	Chemical Services Abstract Number
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DOT	U.S. Department of Transportation
IARC	International Agency of Research on Cancer
N/A	Not Available
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
ppm	Parts per million
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act