

1192

MATERIAL SAFETY DATA SHEET

85-4393
85-9395

SECTION I

Product Name: Embalming Fluid Concentrate
Size: 1L, 4L
Chemical name: does not apply
Formula: Formaldehyde.....38.67ml
Ethylene glycol.....38.28ml
Phenol.....3.91ml
Isopropanol.....18.75ml
Deodorant.....0.004ml
Manufacturer: Carolina Biological Supply Company
Address: 2700 York Road
Burlington, NC 27215
For Information on Health Hazards Call: (919) 584-0381
For Other Information Call: (919) 584-0381
Date: revised 12/5/85

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Components (%):
formaldehyde 38%, phenol 3.9%, isopropanol 18.75%
TLV (Units): formaldehyde 5ppm, LD50 Oral rat 800mg/Kg; phenol
skin-5ppm, LD50 Oral rat 414mg/Kg; isopropanol TLV 400ppm, LD50 Oral
rat 584g/Kg

SECTION III PHYSICAL DATA

Boiling Point (F.): no information available
Vapor Pressure (mm Hg.): no information available
Vapor Density (Air=1): no information available
Specific Gravity (H2O=1): no information available
Percent Volatile By Volume (%): 96%
Evaporation Rate (=1): no information available
Solubility in Water: 100%
Appearance and Odor: colorless liquid with pungent irritating odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): no information available
Extinguisher Media: Water, carbon dioxide, dry chemical or alcohol foam
Flammable Limits in Air % by Vol.: no information available
Autoignition Temperature: no information available
Special Fire Fighting Procedures: wear self-contained breathing
apparatus.
Unusual Fire and Explosion Hazards: Vapors may travel long distances to
ignition source and flash back. Dangerous fire hazard when exposed to
heat, flame, or oxidizers. Moderately dangerous; because of
irritating vapor which could be present in toxic concentrations.

SECTION VI HEALTH HAZARD DATA

Threshold Limit Value: See Section II.
Effects of Over exposure: Skin and mucous membrane irritation. Can
cause violent vomiting and diarrhea if swallowed. Headache,
dizziness, nausea, weakness from ingestion.
Acute Overexposure:
Chronic Overexposure: Formaldehyde is a possible carcinogen.
Emergency and First Aid Procedures: In any case of overexposure consult
a physician immediately.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Eyes: Flush thoroughly with water for 15 minutes holding lids apart.

Skin: Flush thoroughly with water.

Ingestion: If patient is conscious, give large amounts of water and induce vomiting.

SECTION VI REACTIVITY DATA

Stability:

unstable:

stable: X

Conditions to Avoid: Heat, open flame

Incompatibility (Materials to Avoid): easily oxidized materials, alkalis.

Hazardous Decomposition Products: May give off toxic fumes.

Hazardous Polymerization:

may occur: non-hazardous polymerization may occur.

will not occur:

Conditions to Avoid: no information available

SECTION VII SPILL OR LEAK PROCEDURES

Steps to Be Taken In Case Material is Released or Spilled: Provide as much ventilation as possible. Cover the spill with a flammable solvent absorbent to contain the spill and reduce the fumes. When saturated, scoop the sorbent into plastic bags.

Waste Disposal Method: All disposal should be done in accordance with federal, state, and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): self-contained breathing apparatus or fume hood.

Ventilation:

Local Exhaust: X

Mechanical (general): X

Special:

Other:

Protective Gloves: Rubber

Eye Protection: Splash-proof goggles. Never wear contact lenses when working with chemical solutions.

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

SECTION IX SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing: Store away from oxidizers in a moderately warm area which is well ventilated. Keep away from areas where fire hazards may be acute.

Other Precautions: no information available

Approved by: *Alan Thomas*