

MATERIAL SAFETY DATA SHEET

THE EMBALMERS' SUPPLY COMPANY
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EMERGENCY PHONE 24 HOURS
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I. IDENTIFICATION

CHEMICAL FAMILY: EXPERIMENTAL EMBALMING CHEMICAL

TRADE NAME: NU-LECO-FORMALDEHYDE FREE

II. HAZARDOUS INGREDIENTS

INGREDIENT NAME	CAS #	%	OSHA PEL	AGCIH TLV
			TWA;STEL(15)	TWA;STEL(15)
Phenol	108-95-2	8.0	5ppm(TWA) Skin	5ppm (TWA) Skin
Magnesium Sulfate	10034-99-8	2.0	N/A	N/A
Methanol	67-56-1	6.0	200ppm; 250ppm Skin	200ppm; 250ppm Skin

III. PHYSICAL DATA

BOILING POINT (At 760mm Hg) (°F)	202° F	SPECIFIC GRAVITY (H ₂ O=1)	1.102 – 1.104
VAPOR PRESSURE (mm Hg)	92.0	MELTING POINT °F	N/A
VAPOR DENSITY (Air=1)	>1	EVAPORATION RATE (Butyl Acetate=1)	<1
SOLUBILITY IN WATER	COMPLETE	PERCENT VOLATILE	42.8
APPEARANCE & ODOR	Dark Brown Liquid, characteristic odor		

IV. FIRE AND EXPLOSION DATA

FLAMMABLE LIMITS IN AIR

FLASH POINT °F (Tag Closed Cup): 172

Lower: 6.0% Upper: 36.5%

Extinguishing Media: Dry Chemical, Carbon Dioxide, "Alcohol" Foam, and Water Spray

V. HEALTH HAZARD DATA

CHRONIC EFFECTS:

MUTAGENICITY: In vitro, formaldehyde is mutagenic (mutagenic activity in E. coli, Pseudomonas fluoresces, and Saccharomyces cervisiae). In vivo, no information.

CARCINOGENICITY: Formaldehyde is carcinogenic to animals (nasal cancer, lifetime inhalation study, and rats). Listed as an experimental animal carcinogen (IARC, NTP) and probable human carcinogen (IARC).

REPRODUCTION: Formaldehyde showed no evidence of reproductive effects in animal studies (mice, rats, dogs).

OTHER: Formaldehyde - no evidence of effects on liver, kidneys, nervous system or blood in 180 day studies of rats, monkeys, or hamsters.

V. HEALTH HAZARD DATA: Effects of exposure & toxicity data:

Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes or on clothing. Avoid contact with skin. Wear goggles or face shield. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

EMERGENCY FIRST AID PROCEDURES:

INGESTION: Induce vomiting of conscious patient immediately by giving two glasses of water and pressing finger down throat. Contact physician immediately.

INHALATION: Remove patient from contaminated area. If breathing has stopped, give artificial respiration, then oxygen if needed. Contact physician immediately.

SKIN CONTACT: Remove contaminated clothing and wash contaminated area with large amounts of water. If irritation persists, call a physician.

EYE CONTACT: Flush eyes with water for at least 15 minutes. Contact a physician immediately.

HMIS RATINGS	
HEALTH:	3
FIRE:	0
REACTIVITY:	0
SPECIAL:	0

VI. SPILL AND DISPOSAL INFORMATION

SPILL OR LEAK: Remove all sources of ignition. Ventilate area. Absorb liquid with vermiculite or dry earth. Wash with water.

WASTE DISPOSAL: Dispose of residue in compliance with Federal, State and local regulations.

VII. REACTIVITY DATA

PRODUCT IS STABLE HAZARDOUS POLYMERIZATION WILL NOT OCCUR

MATERIALS AND CONDITIONS TO AVOID:

Strong oxidizers. Heat and open flames

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition may produce carbon monoxide

VII. PROTECTION INFORMATION

Respirator, protection: Ventilation should be adequate to keep exposure levels below the indicated limits. If exposure limits are exceeded, a full face NIOSH approved respirator should be used.

Ventilation: Local exhaust should be adequate to control exposure.

Eye Protection: Chemical splash goggles recommended

Protective gloves: Neoprene, Butyl or Polyvinyl gloves should be worn.

IX. SPECIAL PRECAUTIONS

Keep containers closed. Store in a cool well ventilated area away from open flames. Do not breathe vapor. Avoid prolonged or repeated contact with skin. Wash thoroughly with soap and water after handling.

X. This mixture contains a toxic chemical or chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

Methanol	CAS number	67-56-1	Reportable Quantity	5000 pounds
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