

MATERIAL SAFETY DATA SHEET

FRIGID

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PRODUCT NAME: CONTACT

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Identifier: Contact
General Use: Embalming Spray

Frigid Fluid Company, 11631 West Grand Avenue, Northlake, Illinois, 60164
Emergency Phone: 1-800-424-9300
Business-hours Phone: 1-708-836-1215

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Percentage by Wgt.	Exposure Limits (ppm)			
			OSHA		ACGIH	
			TWA	STEL	TLV	STEL
Methyl Alcohol	67-56-1	55-65	200(s)	250	200(s)	250
Glutaraldehyde	111-30-8	10-20	0.2	----	---	0.05(c)
Formaldehyde	50-00-0	<10	0.75	2	---	0.3(c)
Propylene glycol	57-55-6	<10	NE	NE	NE	NE
Alkyl dimethylbenzyl ammonium chloride	800-54-5	<5	NE	NE	NE	NE
Diethylene glycol	111-46-6	<5	NE	NE	NE	NE

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Poisonous if swallowed. Eye, skin and respiratory tract irritant. Potential cancer hazard. May be a skin or respiratory tract sensitizer. May be absorbed by the skin. Flammable.

POTENTIAL HEALTH EFFECTS:

INHALATION: Highly irritating to upper respiratory tract. May cause inflammation of linings of nose, throat and lungs. High exposures may cause bronchopneumonia and edema. May cause an allergic reaction.

EYE CONTACT: May cause severe burns with irreversible damage. High vapor concentrations cause severe irritation and tearing.

SKIN CONTACT: Prolonged exposure may cause drying and cracking.

INGESTION: Poisonous if swallowed. Causes severe irritation and inflammation to the mouth, throat and stomach followed by severe stomach pains, vomiting, diarrhea, possible loss of consciousness. Blindness or death may occur.

CHRONIC: The NTP and OSHA list formaldehyde as a carcinogen due to studies on laboratory animals. IARC lists formaldehyde as a human carcinogen. Methanol shows limited mutagenic activity. Formaldehyde is also mutagenic in vitro with several bacteria.

4. FIRST AID MEASURES

INHALATION: Remove to fresh air. If breathing has stopped, give artificial

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NA = Not available

N/A = Not applicable

(s) = skin absorption contributes significantly to the overall exposure

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respiration and call a physician.

EYE CONTACT: Flush with water 15 minutes. Call a physician immediately.

SKIN CONTACT: Wash with soap and water after removing contaminated clothing. Call a physician if irritation persists.

INGESTION: Call a physician immediately. Do not induce vomiting unless so instructed by a physician.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

Flash Point: 81°F (27° C) Method: Pensky-Martens

Flammable Limits: 6% to 73%

Autoignition Temperature: Not available.

EXTINGUISHING MEDIA: Dry chemical, foam, CO₂. Use water spray to cool fire exposed surfaces.

FIRE FIGHTING INSTRUCTIONS: Wear self-contained breathing apparatus and complete protective clothing.

6. ACCIDENTAL RELEASE MEASURES

SPILLS: Eliminate ignition sources. Use an appropriate absorbent and place absorbed material in closed container. Dispose of in accordance with all federal, state and local regulations.

7. HANDLING AND STORAGE

HANDLING: Use in a well-ventilated area away from heat, sparks or flames. Keep containers closed.

STORAGE: Store in cool, well-ventilated areas.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS: General exhaust or local exhaust ventilation is required to keep vapors below the PELs.

RESPIRATORY PROTECTION: Use NIOSH-approved organic vapor cartridge or canister respirator if PELs are exceeded.

SKIN PROTECTION: Chemical resistant gloves and apron are recommended.

EYE PROTECTION: Use Chemical splash goggles. A face shield should also be used if splashes to the face are expected. If the PELs are exceeded, vapor tight goggles must be used.

9. PHYSICAL AND CHEMICAL PROPERTIES

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BOILING RANGE: 148°F ((27° C)
VAPOR PRESSURE: NE
SOLUBILITY IN WATER: Complete
ODOR: Mild odor

MELTING POINT: Not Applicable
VAPOR DENSITY: >1
SPECIFIC GRAVITY: 0.91
APPEARANCE: Clear liquid

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable. Avoid ignition sources.

INCOMPATIBILITY: Strong oxidizers, acids, bases and amines.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of nitrogen, CO, CO₂

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Formaldehyde: LD₅₀ 800mg/kg (100mg/kg from some sources) (oral, rat), 270mg/kg (skin, rabbit); LC₅₀ 590mg/kg (rat); IDLH: 100 ppm, 20 ppm (30 minutes).

12. ECOLOGICAL INFORMATION

Prevent run-off from reaching natural waterways, including septic systems.

13. DISPOSAL CONSIDERATIONS

See Section 6.

14. TRANSPORT INFORMATION

DOT: Formaldehyde solutions, Flammable, 3, UN1198 PGIII or consumer commodity, ORM-D by US ground transportation.

15. REGULATORY INFORMATION

EPCRA (SARA Title III), Sec. 313 listed materials: Formaldehyde, CAS No. 50-00-0, <10%;

WARNING! This product contains a chemical known to the State of California to cause cancer.

16. OTHER INFORMATION

NFPA rating: Health 2, Fire 3, Reactivity 0 (4 = extreme, 0 = insignificant).

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