# FRIGID FLUID CO.

# SDS / SAFETY DATA SHEET

Page 1 of 2

Product: Formalin Cream

Revision Date: 2/20/2016

#### CHEMICAL PRODUCT & COMPANY INFORMATION 1.

Product Group:

Unregulated Embalming Supply containing Formaldehyde

Product Identifier:

**Formalin Cream** 

General Use:

Externally applied embalming cream

Frigid Fluid Co.

11631 W. Grand Ave.

Northlake, Illinois 60164

Business Hours Phone:

(708)-836-1215

Chemical Emergency only, INFOTRAC 24 Hours / 7 Day Response Phone: (800) 535 - 5053 & (352) 323 - 3500

#### 2. HAZARDS IDENTIFICATION







Signal Word: WARNING

EMERGENCY OVERVIEW: Harmful or fatal if swallowed. Eye, skin, and respiratory tract irritant. May be a skin or respiratory tract sensitizer. Wear gloves and other protective apparel to prevent contact with product. Harmful ingredients within the product are rapidly absorbed by the skin. Potential Cancer risk.

# POTENTIAL HEALTH EFFECTS:

INHALATION: Fumes and vapor are highly irritating to upper respiratory tract. May cause inflammation of linings of nose, throat and lungs. High exposures may cause potential protein fixation of tissues, bronchopneumonia and edema. May cause an allergic reaction. Only low vapor levels are expected from this product at typical room / "shirt-sleeve" temperatures.

EYE CONTACT: May cause severe burns with irreversible corneal damage. High vapor concentrations can cause severe irritation and tearing, with potential protein fixation of tissues. (Only low vapor levels are expected from this product at typical room / "shirt-sleeve" temperatures.)

SKIN CONTACT: Hazardous ingredients of this product are quickly absorbed by the tissues. Causes drying, cracking, scaling, and hardening. Probable protein fixation of tissues. May cause an allergic dermatitis.

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

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

### **COMPOSITION / INFORMATION ON INGREDIENTS** 3.

			Exposure Limits (ppm or mg/kg)			
			OSHA		ACGIH	
Ingredient	CAS No.	% by Wt.	TWA	STEL	TWA	STEL
Waxes and Oils	various	30 - 60	GRAS.	GRAS	GRAS	GRAS
Formaldehyde	50-00-0	14 - 20	0.75	2.0	0.3	N/Av
Methanol	67-56-1	1 - 6	200 (s)	250	200 (s)	250
GRAS = Generally Recogn	nized As Safe N/	'Av = Not Available, (s) = 3	Skin contact may sig	unificantly add to the c	overall exposure.	ADAM.

### FIRST AID MEASURES

Personal risk to First Aid providers: Patient may have hazardous contamination on tissues, garments and footwear. Use extreme caution while removing contaminated apparel and treating patient. Fumes originating from patient and apparel also present a risk to emergency care providers and care areas. Place contaminated apparel inside appropriate airtight containers until after equipment and garment cleaning procedures have been completed.

INHALATION: Remove to fresh air. If breathing has stopped, give artificial respiration and call for medical assistance.

EYE CONTACT: Product's hazardous ingredients are quickly absorbed by tissues. Immediately flush contact area with water for 15 minutes. Get medical attention immediately.

SKIN CONTACT: Product's hazardous ingredients are quickly absorbed by tissues. Wear chemical proof gloves to remove contaminated clothing. Wash contact areas promptly using water with soap or detergent. Seek medical attention if irritation persists or if contact area is significant.

INGESTION: Induce vomiting of conscious patient immediately by giving 2 glasses of water and pressing finger down throat. Get medical attention immediately.

### FIRE FIGHTING INFORMATION AND MEASURES 5.

FLASH POINT:

>150°F

METHOD: Closed Cup

FLAMMABLE LIMITS:

6% - 73%

**AUTOIGNITION TEMPERATURE: Not Available** 

HAZARDOUS COMBUSTION PRODUCTS: CO, CO2, formaldehyde vapors.

EXTINGUISHING MEDIA RECOMMENDED: Dry chemical, Alcohol foam, CO2. Use water spray to cool all fire exposed surfaces. Pools of burning product may float on water. Allow surrounding conditions define media type used.

FIRE FIGHTING INSTRUCTIONS (ERG 132): Prevent contact to product directly and combustion products. Product spill will cause slip and fall hazards. Wear self-contained breathing apparatus and full protective equipment for all indoor and significant outdoor fires. Product spill will be slippery which causes slip and fall hazards.

#### ACCIDENTAL RELEASE MEASURES 6.

SMALL or LARGE SPILL: Prevent product contact with skin. Wipe up or scoop up the spill and deposit inside plastic bags and place in covered trash container. Clean spill area surfaces well using water with soap or detergent to fully remove all traces of product and the associated hazardous chemicals. This will also eliminate slip and fall hazards from the expected slippery surfaces.

# FRIGID FLUID CO.

SDS / SAFETY DATA SHEET

Page 2 of 2

Product: Formalin Cream Revision Date: 2/20/2016

# 7. HANDLING AND STORAGE

HANDLING: No special requirements when closed within containers. Wear chemical proof gloves prior to opening.

STORAGE: Keep in cool areas between 40°F and 100°F. Warmer or cooler temperatures may damage product quality.

### B. EXPOSURE CONTROL / PERSONAL PROTECTION

**ENGINEERING CONTROLS**: Good room ventilation is strongly recommended.

**RESPIRATORY PROTECTION**: Wear respirator with formaldehyde fume treatment filters. Generally not required for typical amounts of this product used at typical room temperatures with good ventilation.

**SKIN PROTECTION**: Wear chemical proof gloves whenever container is open, while working with product on cadaver, or if cleaning product spills. Prevent exposing unprotected tissues to high formaldehyde vapor concentrations.

**EYE PROTECTION**: OSHA requires full-face respirators or sealed chemical splash goggles to protect eyes from the formaldehyde vapors when working with formaldehyde or products containing formaldehyde.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Range:** 

205°F - 250°F

**Melting Range:** 

105°F - 130°F

Vapor Pressure:

Not Available

Vapor Density:

Not Available

Solubility in Water:

Moderate

Specific Gravity:

Not Available

Odor:

10.

Product is an emulsion containing waxes and oils. Reduced pungent odor

% Volatile by Volume:

40 - 55%

Appearance:

Red / pink opaque cream

pH:

Not Available

# STABILITY AND REACTIVITY

CHEMICAL STABILITY (Conditions to avoid): None.

**INCOMPATIBILITY:** Strong oxidizing agents.

HAZARDOUS DECOMPOSITION: CO, CO2, unknown organic compounds, formaldehyde fumes.

HAZARDOUS POLYMERIZATION: Will not occur.

# 11. TOXICOLOGICAL INFORMATION

IDLH\* level (Formaldehyde): 100 ppm (mg/kg)

IDLH\* level (Methanol): 25,000 mg/kg; oral LD<sub>50</sub> 5,628 mg/kg (rat); LDLO 340 mg/kg (human),

1 hour LC<sub>50</sub> 145,000 mg/kg (rat),

dermal LD<sub>50</sub> 15,840 mg/kg. (Rabbit).

\*IDLH = Immediately Dangerous to Life and Health

# 12. ECOLOGICAL INFORMATION

No data for this product, but product contains formaldehyde dispersed in a water & oil emulsion in thick cream form.

### 13. DISPOSAL CONSIDERATIONS

See Section 6.

# 14. TRANSPORTATION INFORMATION

DOT (ground):

Product is not regulated. Concentrations of hazardous chemicals are below the current limits for regulation.

ICAO / IATA (air):

Product is not regulated. Concentrations of hazardous chemicals are below the current limits for regulation.

IMO / IMDG (ocean):

Product is not regulated. Concentrations of hazardous chemicals are below the current limits for regulation.

# 15. REGULATORY INFORMATION

EPCRA, Sec. 313 listed materials:

Formaldehyde

CAS #50-00-0, 14% - 20%;

Methanol

CAS #67-56-1, 1% - 6%

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

## 16. OTHER INFORMATION

NFPA HAZARD RATING: Health 2(s),

Fire 2,

Reactivity 0

KEY: (4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Minimal)

(s) = Skin contact may significantly add to the overall exposure effect hazards.

NOTICE: The information herein is presented in good faith and believed to be accurate and complete as of the effective date shown above. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure that its activities with this product comply with all federal, state, and local laws.