

Section 1: Identification

Product Name: Forma-Cream (1lb)

Product Code: PW0429400

Recommended Use: Can be used on decedents with arterial interruption due to trauma or autopsy issues. Eliminates the need to hypodermically inject face or hands, and the need for cavity packs. It will not discolor the skin, and it doesn't dry the skin out. Applies and removes easily, and you determine how firm the tissue will be based on how much you apply to the area.

Restrictions on Use: Professional embalmer use only; not for general consumer use.

Manufacturer: TNPC, LLC – Dallas, TX 75236

Distributed by: Pierce Companies – 4722 Bronze Way – Dallas, TX 75236 – (214) 333-4230

Emergency Phone Number: CHEMTREC – (800) 424-9300

Section 2: Hazard(s) Identification

GHS Classification:

- Skin Sensitization, Category 1
- Eye Irritation, Category 2
- Carcinogenicity, Category 1B

Signal Word: **DANGER**

Hazard Statements:

- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H350: May cause cancer.

Precautionary Statements:

- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P261: Avoid breathing mist or vapor.
- P272: Contaminated work clothing should not be allowed out of the workplace.
- P280: Wear protective gloves, protective clothing, eye protection, and face protection.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313: If eye irritation persists: Get medical advice/attention.
- P363: Wash contaminated clothing before reuse.
- P405: Store locked up.
- P501: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Pictograms:



Section 3: Composition/Information on Ingredients

CHEMICAL NAME	CAS NUMBER	% WEIGHT	CLASSIFICATION	Trade Secret Information: Exact % of concentration is withheld to protect Trade Secret Information. Ranges are given in accordance with 29 CFR 1910.1200(i), Appendix E
Formaldehyde	50-00-0	<2%	Acute Tox 3; Skin Corr 1B; Eye Dam 1; Skin Sens 1; Resp Sens 1; Muta 2; Carc 1B	
Methanol	67-56-1	<2%	Flam. Liq. 2; Acute Tox. 3; STOT SE 1	
Other non-hazardous components	—	>90%	not classified under GHS	

Section 4: First-Aid Measures

- **Inhalation:** Remove person to fresh air. Keep comfortable for breathing. Get medical attention if symptoms develop or if exposure to vapors or mists is suspected.
- **Skin/Eye Contact:** Wash skin with soap and water. Remove contaminated clothing. If irritation or rash occurs, get medical advice/attention. Rinse eyes cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical attention if irritation persists.
- **Ingestion:** Rinse mouth. Do not induce vomiting unless directed by medical personnel. Get medical attention if unwell.
- **Symptoms/Effects:** May cause skin irritation or allergic skin reaction. Eye contact may cause irritation. Prolonged or repeated exposure may cause dermatitis. Contains formaldehyde, which may present a cancer hazard with prolonged exposure.
- **Physician Notes:** Treat symptomatically. For skin sensitization reactions, provide supportive care. For significant exposure, evaluate for irritation, allergic response, and formaldehyde-related effects.

Section 5: Fire-fighting Measures

- **Suitable Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
- **Unsuitable Extinguishing Media:** No specific restrictions known.
- **Specific Hazards Arising from the Chemical:** Product is a cream-based mixture and is not expected to present a significant fire hazard under normal conditions. Combustion or thermal decomposition may produce irritating or toxic fumes, including carbon oxides and formaldehyde-related decomposition products.
- **Special Protective Equipment and Precautions for Firefighters:** Wear self-contained breathing apparatus and full protective gear. Cool exposed containers with water spray. Avoid breathing smoke, vapors, or decomposition fumes.

Section 6: Accidental Release Measures

- **Personal Precautions:** Avoid contact with eyes, skin, and clothing. Avoid breathing vapors, mists, or decomposition fumes. Wear appropriate protective equipment during cleanup.
- **Emergency Procedures:** Ventilate area. Keep unnecessary and unprotected personnel away. Isolate spill area as needed.
- **Methods and Materials for Containment:** Contain spill with inert absorbent material such as sand, clay, or commercial absorbent. Prevent release to drains and waterways.
- **Cleanup Procedures:** Scoop or absorb spilled material into suitable containers for disposal. Clean residue with soap and water after bulk material is removed. Dispose of waste in accordance with federal, state, and local regulations.

Section 7: Handling and Storage

- **Safe Handling:** Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Wash thoroughly after handling.
- **Hygiene Measures:** Do not eat, drink, or smoke when using this product. Wash hands after handling. Remove contaminated clothing and wash before reuse.
- **Safe Storage:** Store in a cool, dry, well-ventilated place in tightly closed containers. Keep away from incompatible materials. Protect from heat and direct sunlight.
- **Incompatibilities:** Strong oxidizers, strong acids, and strong bases.

Section 8: Exposure Controls/Personal Protection

- **Engineering Controls:** Use general ventilation under normal conditions. Use local exhaust if vapors or mists are generated or if ventilation is insufficient to maintain exposure below applicable occupational limits. Provide eyewash and washing facilities where contact may occur.
- **Personal Protective Equipment (PPE):**
 - **Gloves:** Wear chemical-resistant gloves.
 - **Eye/Face Protection:** Wear safety glasses or chemical splash goggles.
 - **Respiratory Protection:** Not normally required under normal conditions with adequate ventilation. If vapor or mist exposure is possible or ventilation is inadequate, use appropriate respiratory protection in accordance with OSHA requirements.
 - **Skin/Body:** Wear protective clothing as needed to prevent repeated or prolonged skin contact.

• **Exposure Limits Table:**

Component	OSHA PEL	ACGIH TLV	NIOSH REL
Formaldehyde (50-00-0)	0.75 ppm TWA; 2 ppm STEL	0.1 ppm TWA; 0.3 ppm STEL	0.016 ppm TWA; 0.1 ppm ceiling
Methanol (67-56-1)	200 ppm (260 mg/m ³) TWA	200 ppm (262 mg/m ³) TWA; 250 ppm (328 mg/m ³) STEL	200 ppm (260 mg/m ³) TWA; 250 ppm (325 mg/m ³) STEL [skin]

Section 9: Physical and Chemical Properties

- **Appearance:** Solid; White cream/lotion-like emulsion.
- **Odor:** Mild citrus fragrance with wax/oil note.
- **Odor Threshold:** Detectable at low concentration from citrus fragrance and formaldehyde.
- **pH:** ~8–9 when dispersed in water.
- **Melting Point/Freezing Point:** Softens with heat; no sharp melting point.
- **Initial Boiling Point/Boiling Range:** ~212°F for water phase; wax/oil phase extends higher.
- **Flash Point:** >200°F.
- **Evaporation Rate:** <1.
- **Flammability:** Combustible cream; not readily ignited at room temperature.
- **Upper/Lower Flammability or Explosive Limits:** No explosive limits expected for cream/emulsion form.
- **Vapor Pressure:** Low; dominated by water phase.
- **Vapor Density:** >1 if vapors form during heating.
- **Relative Density/Specific Gravity:** ~0.95–1.05 g/mL.
- **Solubility(ies):** Insoluble to dispersible in water; forms an emulsion.
- **Partition Coefficient: n-octanol/water:** Hydrophobic components partition to oil/wax phase.
- **Auto-ignition Temperature:** Estimated >500°F.
- **Decomposition Temperature:** May decompose under high heat or fire.
- **Viscosity:** High; cream consistency.

Section 10: Stability and Reactivity

- **Reactivity:** Not expected to be reactive under normal conditions of use and storage.
- **Chemical Stability:** Stable under normal conditions. Product is expected to remain a wax-oil-water cream under recommended storage conditions. Separation may occur with excessive heat or freezing.
- **Hazardous Reactions:** Hazardous polymerization will not occur. No dangerous reactions are expected under normal conditions.
- **Conditions to be Avoided:** Excessive heat, freezing, open flame, and contamination with incompatible materials.
- **Incompatible Materials:** Strong oxidizers. Strong acids or bases. Materials reactive with aldehydes.
- **Hazardous Decomposition:** Thermal decomposition may produce carbon oxides, irritating organic fumes, and trace formaldehyde-related decomposition products.

Section 11: Toxicological Information

- **Likely Routes of Exposure:** Skin contact, eye contact, inhalation of mist or vapor, and ingestion.
- **Chronic Effects:** Repeated exposure may cause sensitization, irritation, and carcinogenic risk from formaldehyde.
- **Acute Toxicity (LD50 & LC50):**
 - **Formaldehyde:** Oral LD50 (rat) approximately 600 to 800 mg/kg. Toxic and irritating.
 - **Methanol:** Oral LD50 (rat) approximately 5,628 mg/kg; Inhalation LC50 (rat, 4 hr) approximately 64,000 ppm. May cause organ effects.
 - **D-Limonene:** Low concentration in the finished product; significant acute toxicity is not expected for the mixture.
 - **Borax Decahydrate:** Low acute toxicity at the concentration present in the finished mixture.
- **Symptoms/Effect:** Eye irritation, skin irritation, rash, breathing irritation, and sensitization.
- **Regulatory Listings:**
 - **NTP:** Formaldehyde is listed as known to be a human carcinogen.
 - **IARC:** Formaldehyde is classified as carcinogenic to humans.
 - **OSHA:** Formaldehyde is regulated as a carcinogen.

Section 12: Ecological Information

- **Ecotoxicity:** Not expected to be highly hazardous to the aquatic environment under normal use conditions. Avoid release to drains and waterways.
- **Persistence/Degradability:** Wax and oil components degrade slowly. Formaldehyde and methanol biodegrade more readily.

- **Bioaccumulation Potential:** Significant bioaccumulation is not expected for the finished mixture. Oil-soluble components may remain in the oil phase.
- **Mobility in Soil:** Oily components have low mobility. Water-soluble components may move with water.
- **Other Adverse Effects:** Large releases may contaminate soil or water surfaces.

Section 13: Disposal Considerations

- Dispose of in accordance with federal, state, and local regulations.
- Empty containers must not be reused or recycled. Dispose of bottles and residual product in accordance with regulations.
- **Recommended Methods:** Incineration or chemical waste landfill.

Section 14: Transport Information

DOT (Ground Transport): Not regulated
IMDG (Ocean Transport): Not regulated
IATA (Air Transport): Not regulated

Section 15: Regulatory Information

TSCA List: Chemical substances are subject to TSCA inventory requirements for commercial use.

EPCRA – Emergency Planning & Community Right-to-Know: Formaldehyde and methanol are regulated under EPCRA/CERCLA reporting programs.

CERCLA Reportable Quantity: Formaldehyde has a CERCLA RQ of 100 lb. Methanol has a CERCLA RQ of 5,000 lb. Product-level release reporting depends on the amount released.

SARA 302: Formaldehyde is a Section 302 Extremely Hazardous Substance with a TPQ of 500 lb.

SARA 304 Extremely Hazardous Substances Reportable Quantity: Formaldehyde has an EHS RQ of 100 lb; product-level reporting depends on the amount released.

SARA 311/312: Acute toxicity; skin/eye irritation; skin sensitization; carcinogenicity; specific target organ toxicity.

SARA 313: Formaldehyde and methanol are subject to EPCRA Section 313 reporting when facility thresholds are met.

California Prop 65: Formaldehyde is listed for cancer. Methanol is listed for developmental toxicity.

US State Regulations: Formaldehyde and methanol appear on state right-to-know lists, including Massachusetts, New Jersey, Pennsylvania, and Rhode Island.

Other Regulations: Regulated under OSHA Hazard Communication, TSCA, EPCRA, CERCLA, California Proposition 65, and applicable state chemical reporting requirements.

Section 16: Other Information

Regulatory Compliance Verification:

This Safety Data Sheet has been prepared in accordance with and verified for compliance with:

- OSHA Hazard Communication Standard (29 CFR 1910.1200, HazCom 2023)
- Globally Harmonized System (GHS) Revision 11
- U.S. TSCA, EPCRA, CERCLA
- California Proposition 65
- Canadian WHMIS 2022 (GHS-aligned)
- EU REACH Regulation

All hazard classifications, labeling elements, and regulatory disclosures are based solely on the specific formula composition and chemical properties provided for this product.

Hazardous Material Information System III (USA)

Health: 2
Flammability: 1
Physical Hazards: 0
Personal Protection: B

National Fire Protection Association (USA)

Health: 2
Flammability: 1
Instability: 0
Special: -

HMIS ratings are based on a 0-4 scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS ratings are not required on Safety Data Sheets under 29 CFT 1910.1200, the preparer may choose to provide them. HMIS ratings are to be used with a fully implemented HMIS program. HMIS is a registered mark of the National Paint & Coatings Association (NPCA).

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***Notice:** The information in this SDS is believed to be accurate and reliable at the time of preparation, but no guarantee is made that it is complete or that the hazards listed are the only hazards present. Users are responsible for determining the suitability of the product for their intended use, complying with all applicable laws and safety requirements, and considering the effects of use with other materials. Pierce makes no express or implied warranty regarding the product, its merchantability, fitness for a particular purpose, or the accuracy of this information, except that the product will conform to Pierce's specifications. Possession of this SDS does not indicate that the holder purchased or used the product.*