Section 1: Identification

Product Name: Sani-Spray® (16oz)
Product Code: PW0417000
Recommended Use: It can be used before the handling of the body or on the sheets. It can also be used on areas such as open cancers, lesions, bedsores, eczema, and wounds.
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:

- Flammable Liquid, Category 3
- Acute Toxicity (Inhalation), Category 4
- Skin Irritation, Category 2
- Eye Irritation, Category 2A
- Carcinogenicity, Category 2
- Specific Target Organ Toxicity - Single Exposure, Category 3
- Specific Target Organ Toxicity - Repeated Exposure, Category 2
- Aspiration Hazard, Category 1

Signal Word: **DANGER**
Hazard Statements:

- H226: Flammable liquid and vapor.
- H332: Harmful if inhaled.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H336: May cause drowsiness or dizziness.
- H351: Suspected of causing cancer.
- H373: May cause damage to organs through prolonged or repeated exposure.
- H304: May be fatal if swallowed and enters airways.

Precautionary Statements:

- P210: Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
- P233: Keep container tightly closed.
- P240: Ground and bond container and receiving equipment.
- P241: Use explosion-proof electrical, ventilating, and lighting equipment.
- P242: Use non-sparking tools.
- P243: Take action to prevent static discharge.
- P261: Avoid breathing vapors.
- P264: Wash thoroughly after handling.
- P271: Use only outdoors or in a well-ventilated area.
- P280: Wear protective gloves, protective clothing, eye protection, and face protection.
- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.
- P331: Do NOT induce vomiting.
- P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
- P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312: Call a POISON CENTER or doctor if you feel unwell.
- P337+P313: If eye irritation persists: Get medical advice/attention.
- P370+P378: In case of fire: Use dry chemical, carbon dioxide, or alcohol-resistant foam to extinguish.
- P403+P235: Store in a well-ventilated place. Keep cool.

- P405: Store locked up.
- P501: Dispose of contents/container in accordance with regulations.

Pictograms:

Section 3: Composition/Information on Ingredients

CHEMICAL NAME	CAS NUMBER	% WEIGHT	CLASSIFICATION	
Isopropyl Alcohol Tech 99%	67-63-0	52-62%	Flam. Liq. 2; Eye Irrit. 2A; STOT SE 3	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
Perchloroethylene	127-18-4	34-44%	Carc. 2; STOT RE 2; Asp. Tox. 1	
Formaldehyde	50-00-0	<1%	Acute Tox. 3; Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1; Muta. 1B; Carc. 1B	
Methanol	67-56-1	<1%	Flam. Liq. 2; Acute Tox. 3 (O,D,I); STOT SE 1	
Other non-hazardous components	—	0-5%	not classified under GHS	

Section 4: First-Aid Measures

- **Inhalation:** Move to fresh air. Keep at rest. Get medical attention if symptoms occur or exposure was significant.
- **Skin/Eye Contact:** Remove contaminated clothing. Wash skin with soap and water and rinse eyes with water for at least 15 minutes. Remove contact lenses if easy to do. Get medical attention if irritation persists or exposure was significant.
- **Ingestion:** Do not induce vomiting. Rinse mouth. Call a POISON CENTER or physician immediately.
- **Symptoms/Effects:** Harmful if inhaled. Causes skin and eye irritation. May cause dizziness, drowsiness, headache, nausea, and breathing irritation. Aspiration into the lungs may cause serious injury.
- **Physician Notes:** Treat symptomatically. Risk of aspiration if swallowed. Monitor for CNS and respiratory effects.

Section 5: Fire-fighting Measures

- **Suitable Extinguishing Media:** Dry chemical, carbon dioxide, or alcohol-resistant foam.
- **Unsuitable Extinguishing Media:** Do not use a direct water stream.
- **Specific Hazards Arising from the Chemical:** Flammable liquid and vapor. Vapors may travel to an ignition source. Containers may rupture in fire. Burning may produce toxic vapors.
- **Special Protective Equipment and Precautions for Firefighters:** Wear full protective gear and self-contained breathing apparatus. Cool exposed containers with water spray.

Section 6: Accidental Release Measures

- **Personal Precautions:** Remove all ignition sources. Avoid breathing vapors. Avoid contact with skin, eyes, and clothing. Wear proper protective equipment.
- **Emergency Procedures:** Isolate area. Ventilate area. Keep unprotected personnel away.
- **Methods and Materials for Containment:** Contain with sand, vermiculite, or other inert absorbent. Prevent entry into drains and waterways.
- **Cleanup Procedures:** Absorb spill with inert material and place in a proper container for disposal. Clean area after material is removed.

Section 7: Handling and Storage

- **Safe Handling:** Use in a well-ventilated area. Avoid breathing vapors. Avoid contact with skin, eyes, and clothing. Keep away from heat, sparks, and open flames.
- **Hygiene Measures:** Wash thoroughly after handling. Do not eat, drink, or smoke while using this product. Remove contaminated clothing and wash before reuse.
- **Safe Storage:** Store tightly closed in a cool, dry, well-ventilated area. Keep away from ignition sources and incompatible materials. Store locked up.
- **Incompatibilities:** Strong oxidizers, strong acids, strong bases, and reactive chemicals.

Section 8: Exposure Controls/Personal Protection

- **Engineering Controls:** Use local exhaust or general ventilation to keep vapor levels below exposure limits.
- **Personal Protective Equipment (PPE):**
  - **Gloves**: Chemical-resistant gloves.
  - **Eye/Face Protection:** Safety goggles or face shield.
  - **Respiratory Protection:** Use NIOSH-approved respiratory protection if ventilation is inadequate.
  - **Skin/Body:** Chemical-resistant protective clothing as needed to prevent skin contact.
- **Exposure Limits Table:**

Component	OSHA PEL	ACGIH TLV	NIOSH REL
Isopropyl Alcohol (67-63-0)	400 ppm TWA	200 ppm TWA; 400 ppm STEL	400 ppm TWA; 500 ppm STEL
Perchloroethylene (127-18-4)	100 ppm TWA; 200 ppm Ceiling; 300 ppm Peak	25 ppm TWA	100 ppm TWA; 200 ppm Ceiling
Formaldehyde (50-00-0)	0.75 ppm TWA; 2 ppm STEL	0.1 ppm Ceiling	0.016 ppm TWA; 0.1 ppm Ceiling
Methanol (67-56-1)	200 ppm TWA	200 ppm TWA; 250 ppm STEL	200 ppm TWA; 260 mg/m3 TWA

Section 9: Physical and Chemical Properties

- **Appearance:** Liquid; Clear purple solution.
- **Odor:** Spearmint/solvent odor.
- **Odor Threshold:** Detectable at low vapor concentration.
- **pH:** 4.00.
- **Melting Point/Freezing Point:** Below -80°F; no sharp freezing point.
- **Initial Boiling Point/Boiling Range:** ~180°F; boiling range extends higher.
- **Flash Point:** 66°F.
- **Evaporation Rate:** <1.
- **Flammability:** Flammable liquid.
- **Upper/Lower Flammability or Explosive Limits:** LEL: 2%; UEL: 36%.
- **Vapor Pressure:** 97 mm Hg @ 68°F.
- **Vapor Density:** >1.1; heavier than air.
- **Relative Density/Specific Gravity:** 0.963 g/mL.
- **Solubility(ies):** Poor to partial water solubility; may separate.
- **Partition Coefficient: n-octanol/water:** Moderately hydrophobic.
- **Auto-ignition Temperature:** ~750°F.
- **Decomposition Temperature:** May decompose under high heat or fire.
- **Viscosity:** Low; thin liquid.

Section 10: Stability and Reactivity

- **Reactivity:** Flammable liquid. May react with strong oxidizers and other incompatible materials.
- **Chemical Stability:** Stable under normal storage and use conditions.
- **Hazardous Reactions:** Hazardous polymerization will not occur.
- **Conditions to be Avoided:** Heat, sparks, open flames, hot surfaces, and poor ventilation.
- **Incompatible Materials:** Strong oxidizers, strong acids, strong bases, and reactive chemicals.
- **Hazardous Decomposition:** Carbon monoxide, carbon dioxide, hydrogen chloride, phosgene, and other irritating or toxic vapors.

Section 11: Toxicological Information

- **Likely Routes of Exposure:** Inhalation, skin contact, eye contact, and ingestion.
- **Chronic Effects:** Repeated or prolonged exposure may affect the central nervous system, liver, kidneys, and respiratory system. Contains perchloroethylene, which is associated with suspected carcinogenic effects.
- **Acute Toxicity (LD50 & LC50):**
  - **Isopropyl alcohol:** Oral LD50 5045 mg/kg (rat); Dermal LD50 12800 mg/kg (rabbit); Inhalation LC50 16000 ppm/8H (rat).
  - **Perchloroethylene:** Oral LD50 2629 mg/kg (rat); Inhalation LC50 4000 ppm/4H (rat).
  - **Formaldehyde:** Oral LD50 100 mg/kg (rat).

  - **Methanol:** Oral LD50 5628 mg/kg (rat); Dermal LD50 15800 mg/kg (rabbit); Inhalation LC50 64000 ppm/4H (rat).
- **Symptoms/Effect:** Eye irritation, skin irritation, coughing, dizziness, drowsiness, headache, nausea, breathing irritation, and aspiration hazard if swallowed.
- **Regulatory Listings:**
  - **NTP:** Perchloroethylene: Reasonably anticipated to be a human carcinogen
  - **IARC:** Perchloroethylene: Group 2A
  - **OSHA:** Formaldehyde: Listed carcinogen

Section 12: Ecological Information

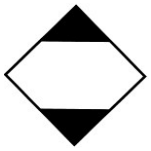
- **Ecotoxicity:** Harmful to aquatic life with long lasting effects. Avoid release to drains, soil, and waterways.
- **Persistence/Degradability:** Isopropyl alcohol and methanol are readily biodegradable. Perchloroethylene degrades more slowly in the environment.
- **Bioaccumulation Potential:** Perchloroethylene: log Kow approximately 3.40; BCF approximately 39 to 49. Isopropyl alcohol: log Kow approximately 0.05; BCF approximately 1. Methanol: log Kow approximately -0.77; BCF less than 10.
- **Mobility in Soil:** Expected to move through soil and water.
- **Other Adverse Effects:** Large releases may contaminate soil, groundwater, and surface water.

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
Notes: Limited Quantity: YES (Permitted for small packaging)
Labels: Limited Quantity



IMDG (Ocean Transport):
UN#: UN1219
UN Proper Shipping Name: Isopropanol
Transport Hazard Classes: 3
Packing Group Number: II
Environmental Hazards: Marine Pollutant: No
Notes: Limited Quantity: YES (Permitted for small packaging)
Labels: Limited Quantity; Flammable Liquid (Class 3)

IATA (Air Transport):
UN#: UN1219
UN Proper Shipping Name: Isopropanol
Transport Hazard Classes: 3
Packing Group Number: II
Environmental Hazards: Marine Pollutant: No
Notes: Limited Quantity: YES (Permitted for small packaging)
Labels: Limited Quantity; Flammable Liquid (Class 3)

Section 15: Regulatory Information

TSCA List: Chemical substances are subject to TSCA inventory requirements for commercial use.
EPCRA - Emergency Planning & Community Right-to-Know: This product is subject to EPCRA Sections 311/312 as a fire hazard and acute/chronic health hazard. Formaldehyde is listed under EPCRA Section 302 with a TPQ of 500 lb and an EPCRA Section 304 RQ of 100 lb.
CERCLA Reportable Quantity: Tetrachloroethylene has a CERCLA RQ of 100 lb; formaldehyde has a CERCLA RQ of 100 lb; methanol has a CERCLA RQ of 5,000 lb.
SARA 302: Formaldehyde is listed.
SARA 304 Extremely Hazardous Substances Reportable Quantity: Formaldehyde 100 lb.
SARA 311/312: Fire hazard; acute health hazard; chronic health hazard.
SARA 313: Formaldehyde, methanol, and tetrachloroethylene are Section 313 chemicals. Isopropyl alcohol is reportable only for the manufacturing by strong acid process listing.
California Prop 65: This product can expose users to tetrachloroethylene (perchloroethylene) and formaldehyde, which are listed for cancer, and methanol, which is listed for developmental toxicity.
US State Regulations: Tetrachloroethylene, formaldehyde, methanol, and isopropyl alcohol may appear on state right-to-know lists.
Other Regulations: Tetrachloroethylene is listed as RCRA U210 when discarded as a commercial chemical product; methanol is RCRA U154; formaldehyde is RCRA U122.

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:	3
Physical Hazards:	0
Personal Protection:	B

National Fire Protection Association (USA)	
Health:	2
Flammability:	3
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).

Prepared by:	**Pierce Companies Regulatory Department**
Date of Preparation/Revision:	**March 01, 2026**
Supersedes:	**July 01, 2024**

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.*