Section 1: Identification

Product Name: Postene® Gel (16oz)
Product Code: PW0462000
Recommended Use: Rapid penetrating green gel, aids in halting gas formation, decomposition. Can also be used to surface treat difficult areas.
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 Liquids — Category 2
- Acute Toxicity (Oral) — Category 3
- Acute Toxicity (Dermal) — Category 3
- Acute Toxicity (Inhalation) — Category 3
- Skin Corrosion — Category 1B
- Serious Eye Damage — Category 1
- Skin Sensitization — Category 1
- Carcinogenicity — Category 1B
- Specific Target Organ Toxicity (Single Exposure) — Category 1
- Aquatic Chronic Toxicity — Category 3

Signal Word: **DANGER**
Hazard Statements:

- H225: Highly flammable liquid and vapor.
- H301: Toxic if swallowed.
- H311: Toxic in contact with skin.
- H331: Toxic if inhaled.
- H314: Causes severe skin burns and eye damage.
- H317: May cause an allergic skin reaction.
- H350: May cause cancer.
- H370: Causes damage to organs.
- H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements:

- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P210: Keep away from heat, sparks, open flames, and hot surfaces. 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.
- P260: Do not breathe vapors, mist, or spray.
- P264: Wash thoroughly after handling.
- P270: Do not eat, drink, or smoke when using this product.
- P271: Use only outdoors or in a well-ventilated area.
- P272: Contaminated work clothing must not be allowed out of the workplace.
- P273: Avoid release to the environment.
- P280: Wear protective gloves, protective clothing, eye protection, and face protection.
- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.
- P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

- P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
- P304+P340+P311: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P305+P310: IF IN EYES: Immediately call a POISON CENTER or doctor.
- P308+P313: IF exposed or concerned: Get medical advice/attention.
- P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
- P363: Wash contaminated clothing before reuse.
- P370+P378: In case of fire: Use dry chemical, alcohol-resistant foam, carbon dioxide, or water fog.
- P403+P233: Store in a well-ventilated place. Keep container tightly closed.
- P403+P235: Store in a well-ventilated place. Keep cool.
- P405: Store locked up.
- P501: Dispose of contents and container in accordance with regulations.

Pictograms:

Section 3: Composition/Information on Ingredients

CHEMICAL NAME	CAS NUMBER	% WEIGHT	CLASSIFICATION	
Methanol	67-56-1	28-38%	Flam. Liq. 2; Acute Tox. 3 (O/D/I); STOT SE 1	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
Isopropyl Alcohol Tech 99%	67-63-0	5-15%	Flam. Liq. 2; Eye Irrit. 2; STOT SE 3	
Formaldehyde	50-00-0	12-22%	Acute Tox. 3; Skin Corr. 1B; Skin Sens. 1; Carc. 1B; Muta. 2	
Ortho-Dichlorobenzene 98% (1,2-Dichlorobenzene)	95-50-1	<5%	Acute Tox. 4; Eye Irrit. 2; STOT SE 3; Aquatic Chronic 2	
Other non-hazardous components	—	32-42%	not classified under GHS	

Section 4: First-Aid Measures

- **Inhalation:** Move person to fresh air. Keep at rest. Get medical attention immediately if symptoms occur.
- **Skin/Eye Contact:** Remove contaminated clothing. Wash skin with plenty of water for at least 15 minutes. Rinse eyes with water for at least 15 minutes. Remove contact lenses if easy to do. Get immediate medical attention.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Get medical attention immediately.
- **Symptoms/Effects:** Toxic if swallowed, inhaled, or absorbed through skin. Causes severe burns and serious eye damage. May cause allergic skin reaction. May cause dizziness, headache, breathing difficulty, and delayed systemic effects. May cause cancer.
- **Physician Notes:** Treat immediately for corrosive injury and toxic exposure. Monitor breathing, vision, and metabolic status.

Section 5: Fire-fighting Measures

- **Suitable Extinguishing Media:** Dry chemical, alcohol-resistant foam, carbon dioxide, or water fog.
- **Unsuitable Extinguishing Media:** Do not use a direct water stream.
- **Special Hazards Arising from the Chemical:** Highly flammable liquid and vapor. Vapors may ignite from a distance. Fire may produce carbon oxides, formaldehyde vapors, hydrogen chloride, and other toxic fumes.
- **Advice for Firefighters:** Wear self-contained breathing apparatus and full protective gear. Cool exposed containers with water spray.

Section 6: Accidental Release Measures

- **Personal Precautions:** Keep unnecessary personnel away. Eliminate ignition sources. Avoid breathing vapors. Wear proper protective equipment.
- **Emergency Procedures:** Ventilate the area. Isolate the spill. Avoid contact with skin and eyes.

- **Methods and Materials for Containment:** Contain with sand, earth, or other inert absorbent. Keep out of drains and waterways.
- **Cleanup Procedures:** Collect into suitable containers for disposal. Clean residue with water if safe to do so. Dispose of material according to regulations.

Section 7: Handling and Storage

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

Section 8: Exposure Controls/Personal Protection

- **Engineering Controls:** Use local exhaust or general ventilation to keep vapor levels below exposure limits. Use explosion-proof ventilation where needed. Emergency eyewash and safety shower should be available.
- **Personal Protective Equipment (PPE):**
  - **Gloves:** Chemical-resistant gloves.
  - **Eye/Face Protection:** Chemical safety goggles and face shield.
  - **Respiratory Protection:** Use NIOSH-approved respiratory protection if ventilation is inadequate or exposure limits may be exceeded.
  - **Skin/Body:** Chemical-resistant clothing or apron as needed to prevent skin contact.
- **Exposure Limits Table:**

Component	OSHA PEL	ACGIH TLV	NIOSH REL
Methanol (67-56-1)	200 ppm TWA	200 ppm TWA; 250 ppm STEL	200 ppm TWA; 260 mg/m3 TWA
Formaldehyde (50-00-0)	0.75 ppm TWA; 2 ppm STEL	0.1 ppm Ceiling	0.016 ppm TWA; 0.1 ppm Ceiling
Isopropyl Alcohol (67-63-0)	400 ppm TWA	200 ppm TWA; 400 ppm STEL	400 ppm TWA; 500 ppm STEL
Ortho-Dichlorobenzene (95-50-1)	50 ppm TWA	25 ppm TWA	50 ppm TWA; 300 mg/m3 TWA

Section 9: Physical and Chemical Properties

- **Appearance:** Gel; Clear viscous lime-green jelly-like solution.
- **Odor:** Pungent alcohol/formaldehyde odor.
- **Odor Threshold:** Detectable at low vapor concentration.
- **pH:** 3.80.
- **Melting Point/Freezing Point:** Below 32°F; depressed by methanol and isopropyl alcohol.
- **Initial Boiling Point/Boiling Range:** 295°F.
- **Flash Point:** 38°F.
- **Evaporation Rate:** <1.
- **Flammability:** Flammable liquid.
- **Upper/Lower Flammability or Explosive Limits:** LEL: 6%; UEL: 76%.
- **Vapor Pressure:** 45 mm Hg @ 71°F.
- **Vapor Density:** 1.10; heavier than air.
- **Relative Density/Specific Gravity:** 0.972 g/mL @ 72°F.
- **Solubility(ies):** Poor water solubility; viscous phase may separate or disperse slowly.
- **Partition Coefficient: n-octanol/water:** Low to moderate; alcohol/water phase is partly water-soluble, with dichlorobenzene increasing organic partitioning.
- **Auto-ignition Temperature:** ~750–867°F, driven by alcohol components.
- **Decomposition Temperature:** May decompose under high heat or fire.
- **Viscosity:** High; jelly-like solution.

Section 10: Stability and Reactivity

- **Reactivity:** Flammable liquid. Reacts with strong oxidizers. Formaldehyde may react with strong acids, strong bases, amines, and phenols.

- **Chemical Stability:** Stable under normal conditions when stored properly. Product remains a viscous lime-green jelly-like liquid under normal storage conditions.
- **Hazardous Reactions:** Hazardous polymerization is not expected. Vapors may form flammable mixtures with air.
- **Conditions to be Avoided:** Heat, sparks, open flame, hot surfaces, ignition sources, and prolonged exposure to incompatible materials.
- **Incompatible Materials:** Strong oxidizers, strong acids, strong bases, amines, phenols, and reactive metals.
- **Hazardous Decomposition:** Carbon oxides, formaldehyde vapors, hydrogen chloride, and other toxic or irritating fumes.

Section 11: Toxicological Information

- **Likely Routes of Exposure:** Inhalation, skin contact, eye contact, ingestion.
- **Chronic Effects (delayed, immediate, or long-term effects):** Repeated or prolonged exposure may damage the central nervous system, eyes, liver, kidneys, and skin. Contains formaldehyde, which is a known human carcinogen.
- **Acute Toxicity (LD50 & LC50):**
  - **Methanol:** Oral LD50 (rat) ~5,628 mg/kg; Dermal LD50 (rabbit) ~15,800 mg/kg; Inhalation LC50 (rat, 4 hr) ~64,000 ppm.
  - **Isopropyl alcohol:** Oral LD50 (rat) ~5,045 mg/kg; Dermal LD50 (rabbit) ~12,800 mg/kg; Inhalation LC50 (rat, 4 hr) ~16,000 ppm.
  - **Formaldehyde:** Oral LD50 (rat) ~100 mg/kg; Dermal LD50 (rabbit) ~270 mg/kg.
  - **Ortho-dichlorobenzene:** Oral LD50 (rat) ~500 mg/kg; Dermal LD50 (rabbit) >2,000 mg/kg.
- **Symptoms/Effect:** Severe skin burns, serious eye damage, respiratory irritation, coughing, headache, dizziness, nausea, vomiting, blurred vision, skin sensitization, and toxic systemic effects after significant exposure.
- **Regulatory Listings:**
  - **NTP:** Formaldehyde — Known to be a human carcinogen.
  - **IARC:** Formaldehyde — Group 1.
  - **OSHA:** Formaldehyde — regulated carcinogen / sensitizer.

Section 12: Ecological Information

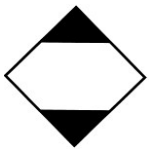
- **Ecotoxicity:** Harmful to aquatic life with long lasting effects.
- **Persistence/Degradability:** Methanol, isopropyl alcohol, and formaldehyde break down relatively quickly. Ortho-dichlorobenzene is slower to degrade.
- **Bioaccumulation Potential:** Low for methanol, isopropyl alcohol, and formaldehyde; higher for ortho-dichlorobenzene. Reported values include methanol log Kow about -0.8 with BCF about 1; isopropyl alcohol log Kow about 0.05 with BCF about 3; formaldehyde log Kow about 0.35 with BCF about 0.2–3; ortho-dichlorobenzene log Kow about 3.4 with BCF roughly 270–560.
- **Mobility in Soil:** Methanol, isopropyl alcohol, and formaldehyde are expected to move readily in soil. Ortho-dichlorobenzene is less mobile and partitions more into organic matter.
- **Other Adverse Effects:** Avoid release to drains, soil, and waterways

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#: UN2924
UN Proper Shipping Name: Flammable liquid, corrosive, n.o.s. (Methanol, Formaldehyde)
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); Corrosive (Class 8)

IATA (Air Transport):
UN#: UN2924
UN Proper Shipping Name: Flammable liquid, corrosive, n.o.s. (Methanol, Formaldehyde)
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); Corrosive (Class 8)

Section 15: Regulatory Information

TSCA List: Chemical substances are subject to TSCA inventory requirements for commercial use.
EPCRA – Emergency Planning & Community Right-to-Know: Subject to applicable EPCRA Sections 311/312 reporting requirements for hazardous chemicals requiring an SDS.
CERCLA Reportable Quantity: Methanol — 5,000 lb; Formaldehyde — 100 lb; 1,2-Dichlorobenzene — 100 lb.
SARA 302: Formaldehyde is subject to SARA 302.
SARA 304 Extremely Hazardous Substances Reportable Quantity: Formaldehyde is subject to SARA 304 release notification requirements.
SARA 311/312: Fire hazard; acute toxicity hazard; skin corrosion/serious eye damage; sensitization; carcinogenicity; specific target organ toxicity.
SARA 313: Methanol, Formaldehyde, and 1,2-Dichlorobenzene are subject to SARA 313 reporting.
California Prop 65: This product contains Formaldehyde, known to the State of California to cause cancer, and Methanol, known to the State of California to cause developmental toxicity.
US State Regulations: New Jersey Right to Know; Pennsylvania Worker and Community Right-to-Know; Massachusetts Right-to-Know.
Other Regulations: Handle in accordance with applicable federal, state, and local regulations.

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:	4
Flammability:	3
Physical Hazards:	0
Personal Protection:	B

National Fire Protection Association (USA)

Health:	4
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.*