Section 1: Identification

Product Name: Safe+ Powder (1lb Jar; 1lb Shaker; 27lb; 15lb)
Product Code: PW0460800; PW046801; PW0460802; PW0460803
Recommended Use: External embalming powder. Effective against mold, mildew and vermin. Great post embalming supplement in cases with burns, gangrene, ulcers and disinterred bodies.
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 Solids, Category 2
- Acute Toxicity (Oral), Category 4
- Acute Toxicity (Inhalation), Category 4
- Skin Irritation, Category 2
- Skin Sensitization, Category 1
- Serious Eye Damage, Category 1
- Germ Cell Mutagenicity, Category 2
- Carcinogenicity, Category 1B
- Specific Target Organ Toxicity - Single Exposure, Category 3
- Aquatic Chronic, Category 1

Signal Word: **DANGER**
Hazard Statements:

- H228: Flammable solid.
- H302: Harmful if swallowed.
- H332: Harmful if inhaled.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H318: Causes serious eye damage.
- H335: May cause respiratory irritation.
- H341: Suspected of causing genetic defects.
- H350: May cause cancer.
- H410: Very toxic 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, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
- 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 discharges.
- P261: Avoid breathing dust.
- P264: Wash thoroughly after handling.
- P270: Do not eat, drink, or smoke when using this product.
- P272: Contaminated work clothing should 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+P312: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
- P330: Rinse mouth.
- P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

- P312: Call a POISON CENTER or doctor if you feel unwell.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
- P362+P364: Take off contaminated clothing and wash it before reuse.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310: Immediately call a POISON CENTER or doctor.
- P370+P378: In case of fire: Use dry chemical, foam, carbon dioxide, or water fog to extinguish.
- P391: Collect spillage.
- P403+P233: Store in a well-ventilated place. Keep container tightly closed.
- 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	
Paraformaldehyde 91%	30525-89-4	59-69%	Acute Tox 4 (O/Inh); Skin Irrit 2; Skin Sens 1; Eye Dam 1; STOT SE 3; Muta 2; Carc 1B	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
Para-Dichlorobenzene (1,4-dichlorobenzene)	106-46-7	23-33%	Acute Tox 4; Aquatic Chronic 1	
Bentonite 200 Mesh Powder	1302-78-9	5-10%	not classified under GHS	

Section 4: First-Aid Measures

- **Inhalation:** Move to fresh air. Keep at rest. Get medical attention if symptoms occur.
- **Skin/Eye Contact:** For skin, wash with soap and water. For eyes, rinse 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 immediate medical attention.
- **Symptoms/Effects:** Harmful if swallowed or inhaled. May cause skin irritation, allergic skin reaction, serious eye damage, and respiratory irritation.
- **Physician Notes:** Treat symptomatically. Monitor for respiratory irritation, sensitization, and systemic effects from paraformaldehyde exposure.

Section 5: Fire-fighting Measures

- **Suitable Extinguishing Media:** Dry chemical, foam, carbon dioxide, or water fog.
- **Unsuitable Extinguishing Media:** Do not use a direct water stream.
- **Special Hazards Arising from the Chemical:** Flammable solid. Dust may form ignitable mixtures with air. Burning may produce irritating or toxic fumes.
- **Advice for Firefighters:** Wear self-contained breathing apparatus and protective clothing. Fight fire from a safe distance. Avoid generating dust during cleanup.

Section 6: Accidental Release Measures

- **Personal Precautions:** Remove all ignition sources. Avoid breathing dust. Avoid contact with skin and eyes. Wear appropriate protective equipment.
- **Emergency Procedures:** Ventilate area. Keep unnecessary and unprotected personnel away.
- **Methods and Materials for Containment:** Avoid generating dust. Sweep, shovel, or collect spilled material into suitable containers. Prevent entry into drains and waterways.
- **Cleanup Procedures:** Collect material for disposal. Clean residual material with methods that minimize dust generation.

Section 7: Handling and Storage

- **Safe Handling:** Keep away from heat, sparks, open flames, and other ignition sources. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Use with adequate ventilation.
- **Hygiene Measures:** Do not eat, drink, or smoke when using this product. Wash hands after handling. Remove contaminated clothing before reuse.
- **Safe Storage:** Store in a cool, dry, well-ventilated place in tightly closed containers. Keep away from ignition sources and incompatible materials.
- **Incompatibilities:** Strong oxidizers.

Section 8: Exposure Controls/Personal Protection

- **Engineering Controls:** Use local exhaust or general ventilation to minimize dust exposure. Provide eyewash and safety shower in the work area.
- **Personal Protective Equipment (PPE):**
  - **Gloves:** Chemical-resistant gloves.
  - **Eye/Face Protection:** Chemical splash goggles and face shield.
  - **Respiratory Protection:** NIOSH-approved respirator if dust is generated or exposure limits may be exceeded.
  - **Skin/Body:** Protective clothing as needed to avoid repeated or prolonged contact.
- **Exposure Limits Table:**

Component	OSHA PEL	ACGIH TLV	NIOSH REL
Paraformaldehyde (as formaldehyde) (30525-89-4)	0.75 ppm TWA; 2 ppm STEL	0.1 ppm TWA; 0.3 ppm STEL	0.016 ppm TWA; 0.1 ppm Ceiling
Para-Dichlorobenzene (106-46-7)	75 ppm TWA	10 ppm TWA	75 ppm TWA

Section 9: Physical and Chemical Properties

- **Appearance:** Solid; Coarse white powder.
- **Odor:** Sharp, pungent odor.
- **Odor Threshold:** Detectable at low airborne concentration.
- **pH:** 7.30.
- **Melting Point/Freezing Point:** Begins softening near 118°F due to para-dichlorobenzene content.
- **Initial Boiling Point/Boiling Range:** 118°F.
- **Flash Point:** 144°F.
- **Evaporation Rate:** Low to moderate; sublimation/vapor release may occur.
- **Flammability:** Flammable solid.
- **Upper/Lower Flammability or Explosive Limits:** LEL: 1.3%; UEL: expected upper explosive range for organic vapor/dust mixtures.
- **Vapor Pressure:** Moderate for solid mixture due to para-dichlorobenzene sublimation.
- **Vapor Density:** 4.50; heavier than air.
- **Relative Density/Specific Gravity:** 0.979 g/mL @ 72°F.
- **Solubility(ies):** Reacts slowly with water; limited water solubility.
- **Partition Coefficient: n-octanol/water:** Hydrophobic; para-dichlorobenzene partitions to organic phase.
- **Auto-ignition Temperature:** Estimated >500°F.
- **Decomposition Temperature:** May decompose with heat, releasing formaldehyde and irritating chlorinated vapors.
- **Viscosity:** Solid powder; does not flow as a liquid.

Section 10: Stability and Reactivity

- **Reactivity:** Dust and solid material may ignite if exposed to heat or ignition sources.
- **Chemical Stability:** Stable under normal conditions. Protect from moisture and strong heat.
- **Hazardous Reactions:** Hazardous polymerization will not occur.
- **Conditions to be Avoided:** Heat, sparks, open flames, moisture, and excess dust generation.
- **Incompatible Materials:** Strong oxidizers.
- **Hazardous Decomposition:** Carbon monoxide, carbon dioxide, hydrogen chloride, and formaldehyde vapors may form during fire or thermal decomposition.

Section 11: Toxicological Information

- **Likely Routes of Exposure:** Inhalation, skin contact, eye contact, and ingestion.

- **Chronic Effects:** Repeated exposure may cause sensitization, respiratory irritation, mutagenic risk, and carcinogenic risk.
- **Acute Toxicity (LD50 & LC50):**
  - **Paraformaldehyde 91%:** Oral LD50 (rat) approximately 592 to 800 mg/kg; inhalation toxicity is harmful. Causes skin irritation, allergic skin reaction, serious eye damage, and respiratory irritation.
  - **Para-Dichlorobenzene:** Oral LD50 (rat) approximately Harmful if swallowed.
  - **Bentonite:** Low acute toxicity.
- **Symptoms/Effect:** Harmful if swallowed or inhaled. May cause skin irritation, allergic skin reaction, serious eye damage, coughing, throat irritation, and breathing discomfort.
- **Regulatory Listings:**
  - **NTP:** Formaldehyde is listed as known to be a human carcinogen.
  - **IARC:** Formaldehyde is carcinogenic to humans.
  - **OSHA:** Formaldehyde is regulated under the formaldehyde standard.

Section 12: Ecological Information

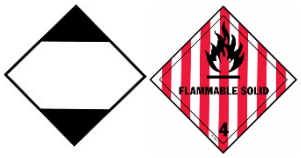
- **Ecotoxicity:** Very toxic to aquatic life with long lasting effects.
- **Persistence/Degradability:** Paraformaldehyde degrades to formaldehyde, which biodegrades relatively readily. Para-dichlorobenzene is more persistent.
- **Bioaccumulation Potential:**
  - **Para-Dichlorobenzene:** log Kow approximately 3.4 to 3.5; BCF indicates bioaccumulation potential.
  - **Formaldehyde / paraformaldehyde contribution:** log Kow approximately 0.35; BCF low. Significant bioaccumulation concern is mainly driven by para-dichlorobenzene.
- **Mobility in Soil:** Limited to moderate mobility depending on environmental conditions; volatile and organic-phase behavior is expected for para-dichlorobenzene.
- **Other Adverse Effects:** Avoid release to drains, soil, and waterways.

Section 13: Disposal Considerations

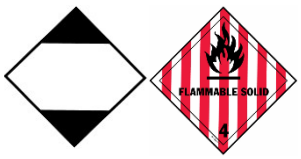
- Dispose of in accordance with federal, state, and local regulations.
- Empty containers must not be reused or recycled. Dispose of bottles and residual product in accordance with regulations.
- **Recommended Methods:** Incineration or chemical waste landfill.

Section 14: Transport Information

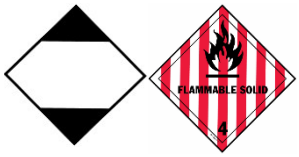
DOT (Ground Transport): Not regulated (1lb products only)
UN#: UN2213
UN Proper Shipping Name: Paraformaldehyde
Transport Hazard Classes: 4.1
Packing Group Number: III
Environmental Hazards: Marine Pollutant: No
Notes: Limited Quantity: YES (Permitted for small packaging)
Labels: Limited Quantity; Flammable Solid (4.1)



IMDG (Ocean Transport):
UN#: UN2213
UN Proper Shipping Name: Paraformaldehyde
Transport Hazard Classes: 4.1
Packing Group Number: III
Environmental Hazards: Marine Pollutant: No
Notes: Limited Quantity: YES (Permitted for small packaging)
Labels: Limited Quantity; Flammable Solid (4.1)



IATA (Air Transport):
UN#: UN2213
UN Proper Shipping Name: Paraformaldehyde
Transport Hazard Classes: 4.1
Packing Group Number: III
Environmental Hazards: Marine Pollutant: No
Notes: Limited Quantity: YES (Permitted for small packaging)
Labels: Limited Quantity; Flammable Solid (4.1)



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 is subject to EPCRA Section 313 reporting.
CERCLA Reportable Quantity: Formaldehyde has a reportable quantity of 100 lb. Para-dichlorobenzene is also listed on EPA's consolidated list framework for federal reporting review.
SARA 302: Formaldehyde and para-dichlorobenzene are not listed as Extremely Hazardous Substances in the current EPA consolidated list.
SARA 304 Extremely Hazardous Substances Reportable Quantity: Not applicable.
SARA 311/312: Fire hazard; acute health hazard; chronic health hazard.
SARA 313: Formaldehyde is subject to SARA Section 313 reporting.
California Prop 65: Contains formaldehyde and p-dichlorobenzene, chemicals listed under Proposition 65.
US State Regulations: Formaldehyde and para-dichlorobenzene are commonly listed under state right-to-know programs.
Other Regulations: Follow applicable federal, state, and local requirements for flammable solid storage, handling, transport, and disposal.

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:	3
Flammability:	2
Physical Hazards:	1
Personal Protection:	J

National Fire Protection Association (USA)	
Health:	3
Flammability:	2
Instability:	1
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.*