

Section 1: Identification

Product Name: Hardening Compound (15lb; 25lb; 94lb)
Product Code: PW0403600; PW0403700; PW0403800
Recommended Use: Wood pulp visceral filler that hardens and dries.
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:

- Carcinogenicity, Category 1A

Signal Word: **DANGER**

Hazard Statements:

- 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 dust.
- P280: Wear protective gloves, protective clothing, and eye protection.
- P308+P313: IF exposed or concerned: Get medical advice/attention.
- 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
Sawdust 20 Mesh Maple	—	28-38%	Carc 1A	
Other non-hazardous components	—	62-72%	not classified under GHS	

Section 4: First-Aid Measures

- **Inhalation:** Move to fresh air. Get medical attention if symptoms develop or persist.
- **Skin/Eye Contact:** For skin, wash with soap and water. For eyes, rinse with water for several minutes. Get medical attention if irritation persists.
- **Ingestion:** Rinse mouth. Get medical attention if symptoms occur.
- **Symptoms/Effects:** Dust may cause eye, skin, or respiratory irritation.
- **Physician Notes:** Treat symptomatically.

Section 5: Fire-fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, foam, or carbon dioxide.
- **Unsuitable Extinguishing Media:** None known.
- **Special Hazards Arising from the Chemical:** Dust may create a nuisance condition. Combustible wood dust may form ignitable dust-air mixtures if finely dispersed.
- **Advice for Firefighters:** Wear self-contained breathing apparatus and protective clothing. Avoid generating dust during cleanup.

Section 6: Accidental Release Measures

- **Personal Precautions:** Avoid breathing dust. Avoid contact with eyes. Wear appropriate protective equipment.
- **Emergency Procedures:** Ventilate area as needed. Keep unnecessary personnel away from heavy dust conditions.
- **Methods and Materials for Containment:** Sweep, shovel, or vacuum spilled material into suitable containers. Avoid generating airborne dust.
- **Cleanup Procedures:** Collect material for reuse or disposal. Clean residual dust with methods that minimize dust generation.

Section 7: Handling and Storage

- **Safe Handling:** Avoid breathing dust. Avoid contact with eyes. 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 dusty clothing before reuse.
- **Safe Storage:** Store in a dry place in tightly closed containers. Protect from moisture and conditions that may generate excess dust.
- **Incompatibilities:** Strong acids and strong oxidizing agents.

Section 8: Exposure Controls/Personal Protection

- **Engineering Controls:** Use adequate general ventilation. Use local exhaust if dust is generated during handling. Provide eyewash facilities where dust exposure is possible.
- **Personal Protective Equipment (PPE):**
 - **Gloves:** Wear protective gloves if prolonged or repeated contact is expected.
 - **Eye/Face Protection:** Wear safety glasses with side shields or goggles if dust exposure is possible.
 - **Respiratory Protection:** Not normally required under normal conditions of use. If dust is generated or ventilation is inadequate, use an approved dust respirator.
 - **Skin/Body:** Wear protective clothing as needed to prevent repeated or prolonged contact.
- **Exposure Limits Table:**

Component	OSHA PEL	ACGIH TLV	NIOSH REL
Calcium sulfate / Plaster of Paris (26499-65-0)	15 mg/m3 total dust; 5 mg/m3 respirable fraction	10 mg/m3 inhalable particles	10 mg/m3 total dust; 5 mg/m3 respirable dust

Section 9: Physical and Chemical Properties

- **Appearance (physical state, color, etc.):** Solid; White to yellowish chunky powder
- **Odor:** Mild wood-like odor
- **Odor Threshold:** Low
- **pH:** 7.0
- **Melting Point/Freezing Point:** Stable as a dry solid under normal storage conditions
- **Initial Boiling Point/Boiling Range:** No boiling point observed for dry solid mixture
- **Flash Point:** No flash point expected under normal test conditions
- **Evaporation Rate:** Negligible
- **Flammability (solid, gas):** Combustible dust may form if finely divided
- **Upper/Lower Flammability or Explosive Limits:** Dust concentration dependent; not routinely determined for this mixture
- **Vapor Pressure:** Negligible
- **Vapor Density:** Minimal vapor generation expected
- **Relative Density/Specific Gravity:** 0.70 g/cm³
- **Solubility(ies):** Partially dispersible in water; plaster portion hydrates in contact with water
- **Partition Coefficient (n-octanol/water):** Not determined for mixture
- **Auto-ignition Temperature:** Elevated; ignition requires strong heat source
- **Decomposition Temperature:** Decomposes gradually with strong heating
- **Viscosity:** Free-flowing solid powder

Section 10: Stability and Reactivity

- **Reactivity:** No dangerous reaction expected under normal use.
- **Chemical Stability:** Stable under normal conditions. Keep dry.
- **Hazardous Reactions:** Hazardous polymerization will not occur.

Safety Data Sheet: Hardening Compound (PW0430600;700;800)

- **Conditions to be Avoided:** Moisture, excess dust generation, heat, sparks, and open flame.
- **Incompatible Materials:** Strong acids and strong oxidizing agents.
- **Hazardous Decomposition:** Carbon monoxide, carbon dioxide, and calcium oxide 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 dust exposure may cause eye, skin, or respiratory irritation. Prolonged or repeated exposure to wood dust may present a carcinogenic risk.
- **Acute Toxicity (LD50 & LC50):**
 - **Plaster of Paris / Calcium sulfate hemihydrate:** Low acute toxicity. Dust may irritate eyes and the respiratory tract.
 - **Maple sawdust / wood dust:** Low acute toxicity. Dust may irritate eyes, skin, and the respiratory tract.
- **Symptoms/Effect:** Eye irritation, skin irritation, coughing, throat irritation, and dust discomfort.
- **Regulatory Listings:**
 - **NTP:** Wood dust is listed as known to be a human carcinogen.
 - **IARC:** Wood dust is classified as carcinogenic to humans.
 - **OSHA:** Wood dust 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:** Wood components will biodegrade over time. Calcium sulfate will persist as an inorganic mineral solid.
- **Bioaccumulation Potential:** Significant bioaccumulation is not expected. Calcium sulfate is an inorganic substance, so octanol-water partition coefficient and bioconcentration factor are not meaningful. Wood solids are also not expected to significantly bioaccumulate.
- **Mobility in Soil:** Solid particles may remain in soil or move with runoff if dispersed.
- **Other Adverse Effects:** Dust release may cause nuisance particulate contamination.

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: Components are listed on, or otherwise comply with, TSCA inventory requirements.

EPCRA – Emergency Planning & Community Right-to-Know: No Extremely Hazardous Substance identified at reportable levels.

CERCLA Reportable Quantity: No CERCLA reportable quantity established for this product.

SARA 302: No components subject to SARA 302 emergency planning requirements.

SARA 304 Extremely Hazardous Substances Reportable Quantity: No components subject to SARA 304 reporting requirements.

SARA 311/312: Dust may present a nuisance particulate hazard under handling conditions.

SARA 313: No components subject to SARA 313 reporting requirements.

California Prop 65: No California Proposition 65 warning is expected for this product.

US State Regulations: No component-specific state right-to-know disclosure is expected beyond standard workplace chemical inventory requirements.

Other Regulations: Handle in accordance with good industrial hygiene and housekeeping practices to minimize dust generation.

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

Safety Data Sheet: Hardening Compound (PW0430600;700;800)

- 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).

Prepared by:

Pierce Companies Regulatory Department

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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.