

Section 1: Identification

Product Name: Searene® (8oz)

Product Code: PW0463600

Recommended Use: Designed for immediate intense cauterization, bleaching and drying of open wounds. Always wear protective equipment when handling.

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:

- Acute Toxicity (Oral) — Category 3
- Acute Toxicity (Dermal) — Category 3
- Acute Toxicity (Inhalation) — Category 3
- Skin Corrosion — Category 1B
- Serious Eye Damage — Category 1
- Specific Target Organ Toxicity (Repeated Exposure) — Category 2
- Aquatic Chronic — Category 2

Signal Word: **DANGER**

Hazard Statements:

- H301: Toxic if swallowed.
- H311: Toxic in contact with skin.
- H331: Toxic if inhaled.
- H314: Causes severe skin burns and eye damage.
- H373: May cause damage to organs through prolonged or repeated exposure.
- H411: Toxic to aquatic life with long lasting effects.

Precautionary Statements:

- P260: Do not breathe vapors or mists.
- 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.
- 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.
- P310: Immediately call a POISON CENTER or doctor.
- P314: Get medical advice/attention if you feel unwell.
- P391: Collect spillage.
- P405: Store locked up.
- P501: Dispose of contents/container in accordance with local, state, and federal 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
Phenol 90%	108-95-2	32-42%	Acute Tox. 3 (O/D/I); Skin Corr. 1B; Eye Dam. 1; STOT RE 2; Aquatic Chronic 2	
Potassium Hydroxide, Flake	1310-58-3	<5%	Skin Corr. 1B; Eye Dam. 1	
Other non-hazardous components	—	54-64%	not classified under GHS	

Section 4: First-Aid Measures

- **Inhalation:** Move person to fresh air immediately. Keep at rest. Get medical attention immediately.
- **Skin/Eye Contact:** Remove contaminated clothing. Flush skin and eyes with plenty of water for at least 15 minutes. Get immediate medical attention.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Get immediate medical attention.
- **Symptoms/Effects:** Toxic if swallowed, inhaled, or absorbed through skin. Causes severe burns and serious eye damage. May cause headache, dizziness, nausea, vomiting, breathing difficulty, and systemic effects. Prolonged or repeated exposure may affect organs.
- **Physician Notes:** Treat immediately for corrosive injury and phenol exposure. Monitor respiratory status and systemic effects.

Section 5: Fire-fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, foam, or carbon dioxide.
- **Unsuitable Extinguishing Media:** Do not use a direct water stream on large fires.
- **Special Hazards Arising from the Chemical:** Product is not expected to be highly flammable, but heating may produce toxic and corrosive fumes. Decomposition may release carbon oxides and phenolic 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. Avoid contact with skin, eyes, and clothing. Avoid breathing vapors or mist. Wear proper protective equipment.
- **Emergency Procedures:** Ventilate the area. Isolate spill area. Prevent material from spreading.
- **Methods and Materials for Containment:** Dike or absorb with sand, earth, or other inert material. Prevent release to drains and waterways.
- **Cleanup Procedures:** Collect into suitable containers for disposal. Wash spill area with water after pickup if safe to do so. Dispose of waste according to regulations.

Section 7: Handling and Storage

- **Safe Handling:** Avoid contact with skin, eyes, and clothing. Avoid breathing vapors, mist, or spray. Use with adequate ventilation.
- **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. Store in a cool, dry, well-ventilated area. Store locked up.
- **Incompatibilities:** Strong oxidizers, strong acids, and reactive metals.

Section 8: Exposure Controls/Personal Protection

- **Engineering Controls:** Use local exhaust or general ventilation to control vapors and mist. Provide eyewash and safety shower in the work area.
- **Personal Protective Equipment (PPE):**
 - **Gloves:** Chemical-resistant gloves.
 - **Eye/Face Protection:** Chemical goggles and face shield.
 - **Respiratory Protection:** Use NIOSH-approved respiratory protection if ventilation is inadequate or if vapors or mist are generated. Phenol has a skin notation and inhalation hazard.
 - **Skin/Body:** Chemical-resistant clothing or apron.

• **Exposure Limits Table:**

Component	OSHA PEL	ACGIH TLV	NIOSH REL
Phenol 90% (108-95-2)	5 ppm TWA	5 ppm TWA	5 ppm TWA
Caustic Potash Flake (Potassium Hydroxide) (1310-58-3)	2 mg/m ³ Ceiling	2 mg/m ³ Ceiling	2 mg/m ³ Ceiling

Section 9: Physical and Chemical Properties

- **Appearance:** Liquid; Opaque dark brown to violet solution.
- **Odor:** Phenolic odor.
- **Odor Threshold:** Detectable at low vapor concentration.
- **pH:** 8.35.
- **Melting Point/Freezing Point:** Near 32°F; may be depressed by dissolved phenol/potassium hydroxide.
- **Initial Boiling Point/Boiling Range:** 214°F.
- **Flash Point:** >212°F.
- **Evaporation Rate:** >1.
- **Flammability:** Combustible liquid; not readily ignited at room temperature.
- **Upper/Lower Flammability or Explosive Limits:** No explosive limits expected for water-rich phenolic solution.
- **Vapor Pressure:** 21.1 mm Hg @ 73°F.
- **Vapor Density:** 0.60.
- **Relative Density/Specific Gravity:** 1.05 g/mL.
- **Solubility(ies):** Soluble to partially soluble in water.
- **Partition Coefficient: n-octanol/water:** Low to moderate; phenol increases organic partitioning.
- **Auto-ignition Temperature:** Estimated >500°F.
- **Decomposition Temperature:** May decompose under high heat or fire.
- **Viscosity:** Low to moderate liquid.

Section 10: Stability and Reactivity

- **Reactivity:** Reacts with strong oxidizers, strong acids, and reactive metals.
- **Chemical Stability:** Stable under normal conditions when stored properly.
- **Hazardous Reactions:** Hazardous polymerization is not expected.
- **Conditions to be Avoided:** Excess heat, incompatible materials, and mist generation.
- **Incompatible Materials:** Strong oxidizers, strong acids, aluminum chloride, calcium hypochlorite, and reactive metals.
- **Hazardous Decomposition:** Carbon oxides, phenolic fumes, and irritating or corrosive decomposition products.

Section 11: Toxicological Information

- **Likely Routes of Exposure:** Inhalation, skin absorption, ingestion, skin contact, eye contact.
- **Chronic Effects (delayed, immediate, or long-term effects):** Prolonged or repeated exposure may affect the liver, kidneys, skin, eyes, and respiratory system.
- **Acute Toxicity (LD50 & LC50):**
 - **Phenol:** Oral LD50 (rat) ~317 mg/kg; Dermal LD50 (rabbit) ~630 mg/kg; Inhalation LC50 data indicate toxic inhalation hazard.
 - **Potassium hydroxide** is corrosive and causes severe local tissue damage rather than being used primarily by LD50 labeling in this mixture context.
- **Symptoms/Effect:** Burns to skin and eyes, irritation of nose and throat, headache, weakness, nausea, dark urine, breathing difficulty, and systemic toxicity.
- **Regulatory Listings:**
 - **NTP:** Phenol — not listed.
 - **IARC:** Phenol — not classifiable as to carcinogenicity to humans.
 - **OSHA:** Phenol — not listed as an OSHA carcinogen.

Section 12: Ecological Information

- **Ecotoxicity:** Toxic to aquatic life with long lasting effects.
- **Persistence/Degradability:** Phenol is biodegradable, but releases can still cause short-term aquatic harm. Potassium hydroxide dissociates in water and mainly affects aquatic systems through pH shift.
- **Bioaccumulation Potential:** Low. Phenol has a log Kow of about 1.5 and a low BCF. Potassium hydroxide is inorganic and is not expected to bioaccumulate.
- **Mobility in Soil:** Phenol is expected to be mobile in soil and water. Potassium hydroxide is highly mobile in water.

- **Other Adverse Effects:** Avoid release to drains, soil, and waterways.

Section 13: Disposal Considerations

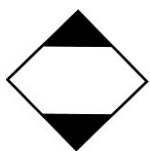
- Dispose of in accordance with federal, state, and local regulations.
- Empty containers must not be reused or recycled. Dispose of bottles and residual product in accordance with regulations.
- **Recommended Methods:** Incineration or chemical waste landfill.

Section 14: Transport Information

DOT (Ground Transport): Not regulated

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

Labels: Limited Quantity



IMDG (Ocean Transport):

UN#: UN2821

UN Proper Shipping Name: Phenol solutions

Transport Hazard Classes: 6.1

Packing Group Number: II

Environmental Hazards: Marine Pollutant: No

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

Labels: Limited Quantity; Toxic (Class 6.1)



IATA (Air Transport):

UN#: UN2821

UN Proper Shipping Name: Phenol solutions

Transport Hazard Classes: 6.1

Packing Group Number: II

Environmental Hazards: Marine Pollutant: No

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

Labels: Limited Quantity; Toxic (Class 6.1)



Section 15: Regulatory Information

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

EPCRA – Emergency Planning & Community Right-to-Know: Subject to applicable EPCRA Sections 311/312 reporting requirements for hazardous chemicals requiring an SDS.

CERCLA Reportable Quantity: Phenol — 1,000 lb; Potassium Hydroxide — 1,000 lb.

SARA 302: No chemicals in this product are identified for SARA 302 reporting.

SARA 304 Extremely Hazardous Substances Reportable Quantity: No chemicals in this product are identified for SARA 304 release notification.

SARA 311/312: Acute toxicity; skin corrosion/serious eye damage; specific target organ toxicity (repeated exposure); hazardous to the aquatic environment.

SARA 313: Phenol is subject to SARA 313 reporting. Potassium hydroxide is not identified on the EPA consolidated Section 313 list.

California Prop 65: No Proposition 65 chemical is identified for this product. OEHHA shows phenol as considered, but not listed.

US State Regulations: New Jersey Right to Know; Pennsylvania Worker and Community Right-to-Know; Massachusetts Right-to-Know. Phenol and potassium hydroxide appear on New Jersey Right to Know resources, and Massachusetts maintains its toxic or hazardous substance list under 301 CMR 41.00.

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: 1
Physical Hazards: 0
Personal Protection: H

National Fire Protection Association (USA)

Health: 3
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

Date of Preparation/Revision:

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Supersedes:

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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.