

# MATERIAL SAFETY DATA SHEET

Company Name: Superior Stone Products, Inc.  
Product Name: **White Hardening Paste**  
Issue Date: 1/01/04



## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: **White Hardening Paste**  
Chemical Family: Organic Peroxide

**24 Hour Emergency Telephone Number:**  
**CHEMTREC 800-424-9300**

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

	<u>% by Weight</u>	<u>CAS Registry Number</u>	<u>PEL</u>
Benzoyl Peroxide	50	000094-36-0	5 PPM RESP
Butyl Benzylphthalate	28	000085-68-7	NA
Zinc Stearate	<1	000557-05-1	10 PPM TOT
Water	15 - 25	007732-18-5	NA

## 3. HAZARDS IDENTIFICATION

### POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation.

SKIN: Prolonged skin contact may cause skin irritation and redness.

INGESTION: May cause toxic effects.

INHALATION: May cause irritation of the nose, throat, and lungs.

MUTAGENICITY: Negative in Ames test for 78% wet BPO. Benzoyl peroxide has given negative results in several skin painting studies (mice) and positive results in one such study(mice). The relevance of the positive result, if any, to humans is not known at this time.

TOXICOLOGICAL TEST DATA: Oral LD50 - (rat) - >5000 mg/KG for benzoyl peroxide.

## 4. FIRST AID MEASURES

EYES: Flush with copious amounts of water for 15 minutes. Seek immediate medical aid.

SKIN: Wash with soap and water.

INGESTION: DO NOT INDUCE VOMITING (aspiration hazard). Seek immediate medical aid.

INHALATION: Remove victim from exposure. If victim is unconscious, administer artificial respiration and/or oxygen as needed. Seek medical aid.

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## 5. FIRE FIGHTING MEASURES

Flashpoint: >200F (SETA)

Flammable Limits: Not Determined

Autoignition Temperature: Not Determine

EXTINGUISHING MEDIA: Water fog, carbon dioxide, dry chemical foam.

FIRE FIGHTING PROCEDURES: Evacuate area and apply water from a safe distance. Spray water on the nearby peroxide containers to prevent overheating. After fire, wait until area is cooled to room temperature before attempting clean up. Firefighters and others exposed to vapors or products of combustion should wear self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE & EXPLOSION HAZARDS: Peroxides and decomposition products are flammable and can ignite with explosive force if confined. Material is difficult to ignite, but with continued exposure to flames, it will burn slowly and sluggishly.

## 6. EXPOSURE CONTROLS/PERSONAL PROTECTION

### PERSONAL PROTECTION

RESPIRATORY PROTECTION: If a TLV or PEL listed in Section 3 of this data sheet is exceeded, then suitable respiratory protection must be worn to prevent overexposure.

VENTILATION: General ventilation is required during normal use. Local ventilation may be required during certain operations to keep exposure levels below the TLV listed in Section 2 of this data sheet.

PROTECTIVE GLOVES: Wear appropriate impervious gloves to prevent skin contact.

EYE PROTECTION: Wear safety glasses, face shield or chemical goggles.

OTHER PROTECTIVE EQUIPMENT: Wear protective clothing to prevent skin contact. Eye wash station and safety shower should be available.

## 7. PHYSICAL AND CHEMICAL PROPERTIES

Percent Volatile: <20 by weight

Vapor Pressure mm Hg @20C: NA

Boiling Point @ 1 Atmosphere: NA

Specific Gravity: 1.2

Vapor Density (Air=1): 10.8 (solvent)

Evaporation Rate: Negligible

Appearance: Smooth White Paste

Odor: Slight sweet odor

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## 8. STABILITY AND REACTIVITY

PRODUCT STABILITY: Unstable

CONDITIONS TO AVOID: High temperatures and contamination

CHEMICAL INCOMPATIBILITY: Metal salts, reducing agents, accelerators, strong acids, and strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Flammable and toxic vapors and biphenyl (TLV = 0.2 ppm)

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Strong acids, strong bases, temperatures above 130F, direct sunlight, open flame.

OXIDIZER: Yes

## 9. ENVIRONMENTAL INFORMATION

SPILL OR LEAK PROCEDURES: Remove all sources of ignition such as flares, flames, and electrical sparks. Ventilate area. Absorb spill with an absorbent material such as sawdust, vermiculite, sand or floor absorbent. Use non-sparking tools to place spilled material in closed containers. Wash area with soap and water.

HAZARDOUS WASTE 40CFR261: Characteristic waste - reactive

WASTE DISPOSAL METHOD: Dispose of only in a facility permitted for disposal of hazardous wastes, in accordance with federal, state, and local regulations.

## 11. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

D.O.T. PROPER NAME: ORM-D Consumer Commodity (Land Only)

Hazard Class: None

NA/UN Number: None

Packing Group: None

Bill of Lading Description: NMFC 43940, Class 85

## 12. OTHER INFORMATION

HMIS CODES

Fire: 2 Health: 2 Reactivity: 1

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