



# MATERIAL SAFETY DATA

Chemtrec 24-Hour Emergency Telephone  
 Domestic North America (800) 424-9300  
 International (800) 527-3887

*This MSDS complies with 29 CFR 1910.1200 (Hazard Communications)*

## 1. Product and Supplier Identification

**Product Name:** BPO Hardener – Cream Hardener  
**Product Number:** 827005  
**Date of Prep:** 02/10/10  
**Product Type:** Polyester Cream Hardener/Polyester Catalyst  
 Benzoyl Peroxide Paste  
**Supplier:** Fiberlay Inc.  
 24 S. Idaho S.  
 Seattle, Wa 98134  
 (206)782-0660

## 2. Composition/Information On Ingredients

Ingredients	WGT%	CAS#	TVL/PEL
Benzoyl Peroxide	47.5-50.0	94-36-0	Combustible when dry: TLV 5 mg/m <sup>3</sup> *

\*Refer to 29 CFT 1910.1000, Subpart Z.

Also see TLV for Chemical Substances and Physical Agents in the Work Environment (ACGIH)

## 3. Hazards Identification

**Routes of Entry:** Skin and Inhalation

**Overexposure Effects:**

**Acute Effects:**

**Eyes:** Contact with eyes can cause irritation, redness, tearing blurred vision, and/or swelling.

**Skin:** Contact with skin can cause irritation, (minor itching, burning and/or redness), Dermatitis, defatting may be readily absorbed thru the skin.

**Inhalation:** Inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and/or asphyxiation. Aspiration of material into lungs may result in chemical pneumonitis which can be fatal.

**Ingestion:** Ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

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### Chronic Effects:

Overexposure to this material has apparently been known to cause the following effects in lab animals: skin damage and appendages.

**Carcinogen:** Yes \_\_\_\_\_ No  X

**Teratogone:** Yes \_\_\_\_\_ No  X

**Mutagen:** Yes \_\_\_\_\_ No  X

Benzoyl Peroxide has caused tumorigenic effects in laboratory animals

### 4. First Aid Measures

**INHALATION:** If inhaled, remove victim from exposure to well-ventilated area. Make them comfortably warm, but not hot. Use oxygen or artificial respiration as required. Consult a physician.

**SKIN CONTACT:** Wash with soap and plenty of water. If irritation persists consult physician.

**EYE CONTACT:** Flush promptly with water for at least 15 minutes. Consult physician.

**INGESTION:** If injected, ***do not induce vomiting***. Give victim a glass of water. Call a physician immediately.

### 5. Fire Fighting Measures

**Flash point:** 184°F / 84°C Seta Flash Closed cup

**Lower Explosive Limit:** N/E

**Upper Explosion Limit:** N/E

**Fire Extinguishing Media:** Carbon Dioxide, Dry Chemical, Foam

**Special Fire Fighting Procedures:** Fight like a fuel oil fire. Cool fire exposed containers with water spray. Firefighter should wear OSHA/NIOSH approved self-contained breathing apparatus.

**Unusual Fire and Explosion Hazards:** Closed containers exposed to high temperatures, such as fire conditions, may rupture.

### 6. Accidental Release Measures

#### **Steps to Be Taken in Case Material is Released or Spilled:**

Remove all ignition sources. Keep people away, recover free liquid. Add absorbent to spill area. Ventilate enclosed areas, keep product out of public sewers, streams and waterways.

**Personal Protection:** Wear adequate personal protection to prevent skin contact. See Section 8 for specific recommendations

**Environmental Precautions:** Prevent release into waterways and sewers. Stop spill as soon as possible to prevent contamination of soil, groundwater, or surface water.

**Cleanup Procedures:** Poisonous, flammable liquid, insoluble or very slightly soluble in water. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand, or other non-combustible material. Prevent entry into sewers, basements, or

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confined areas. Dike if needed. Eliminate all sources of ignition. Call for assistance on disposal. Consult national, provincial, and local regulations.

### 7. Handling and Storage

**Handling and Storage:** Use with adequate ventilation. Avoid contact with eyes and skin. Avoid breathing vapors. Do not store the product above 100°F/38°C. Do not flame, cut, braze weld or melt empty containers. Keep the product away from heat, open flame, and other sources of ignition. Avoid contact with strong acids, alkalis and oxidizers.

### 8. Exposure Controls, Personal Protection

**Respiratory Protection:** If component TLV limits are exceeded, use NIOSH/MSHA approved respirator to remove vapors.

**Ventilation:** Use adequate ventilation in volume and pattern to keep TLV/PEL below recommended levels. Explosion-proof ventilation may be necessary.

**Skin Protection:** To prevent prolonged exposure use rubber gloves; solvents may be absorbed through the skin.

**Eye and Face Protection:** Safety glasses or goggles with splashguards or side shields.

**Other Protective Clothing or Equipment:** Wear protective clothing as required to prevent skin contact.

**Work/Hygienic Practices:** Use good industrial hygienic practices.

### 9. Physical and Chemical Properties

<b>Appearance:</b>	Blue Paste	<b>Boiling Point:</b>	Decomposes
<b>Specific Gravity</b>	1.20	<b>Volatiles by Weight</b>	10-20%
<b>Vapour Pressure:</b>	mmHG: N/E	<b>Evaporation Rate:</b>	(Ethyl Ether = 1) <1
<b>Soluble in Water:</b>	Insoluble	<b>VOC:</b>	Grams/Liter = Nil
<b>Vapour Density:</b>	(Air=1) >		Lbs/Gallon = Nil

### 10. Stability and Reactivity

**Chemical Stability:** This product is stable.

**Conditions to Avoid:** Open flames, sparks, heat, electrical and static discharge.

**Compatibility Materials to Avoid:** Strong acids, alkalis, oxidizers

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition or Byproducts:** Carbon Dioxide, Carbon Monoxide and Carbon

### 11. Health Hazard/Toxicological Information

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## 12. Ecological Information

**Environmental Toxicity:** No data available.

**Biodegradability:** No data available.

## 13. Spill / Disposal Considerations

**Spills, Leak or Release:** Ventilate area. Remove all possible sources of ignition. Avoid prolonged breathing of vapor. Contain spill with inert absorbent.

**Waste Disposal:** Dispose of in accordance with local, state, and federal regulations.

## 14. Transport Information

D.O.T. Shipping Name – Flammable Liquid n.o.s.

Technical Name- Naphtha

D.O.T. Hazard Class 3, PGIII

U.N. Number – UN1993

D.O.T. Label – Flammable Liquid

## 15. Regulatory Information

### CANADIAN FEDERAL REGULATIONS:

**CEPA, DOMESTIC SUBSTANCES LIST:** Listed

**WHMIS CLASSIFICATION:** B2, D2A, D2B, F

### UNITED STATES REGULATIONS:

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29CFR 1910.1200:	Hazardous
40CFR 116-117:	Hazardous
40CFR 355, Appendices A and B:	Not subject to Emergency Planning and Notification
40CFR 372:	Listed
40CFR 302:	Listed, Reportable Quantity, 1000 lbs (454 Kg)

### 16. Other Information

**Shipping Information:** Please comply with DOT regulations in USA

<b>HMIS Rating:</b>	Health	2	4 = Extremely High
	Fire	2	3 = High
	Reactivity	2	2 = Moderate
			1 = Slight
			0 = Insignificant

**Personal Protection – see section 3 and 11**

#### California Proposition 65:

Trade amounts of some chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm may be present in this product.

#### Section 313 Supplier Notification:

This product contains the following toxic chemicals subject to reporting requirements of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372;

**CHEMICAL NAME:** Benzoyl Peroxide

**CAS:** 94-36-0

**% by Weight:** 47.5-50.0%

### 17. Abbreviations

***This information must be included in all MSDS that are copied and distributed for this chemical.***

**IARC** = International Agency for Research on Cancer

**ACGIH** = American Conference of Governmental Industrial Hygienists

**NIOSH** = National Institute of Occupational Safety and Health

**TLV** = Threshold Limit Value

**PEL** = Permissible Emission Level

**DOT** = Department of Transportation

**NTP** = National Toxicology Program

**N/AV** = Not Available

**N/AP** = Not Applicable

**N/E** = Not Established

**N/D** = Not Determined

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**Prepared by:** Fiberlay Inc.  
24 S. Idaho S.  
Seattle, Wa 98134  
(206)782-0660

*The* information in the Material Safety Data Sheet has been compiled from our experience and from data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of the safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the Company to make sure that the MSDS is the latest one issued.