

**Section 1 Chemical Product and Company Identification**

**Product identifier**

Product name: Freeman Cream Hardener

**Relevant identified uses of the substance or mixture and uses advised against**

Identified uses: For Freeman TUF Line of Repair & Build-Up Materials

**Details of the supplier of the safety data sheet**

Freeman Manufacturing and Supply Company  
 1101 Moore Road, Avon, OH 44011  
 Telephone (440) 934-1902

HMIS	
H	2
F	1
R	1
PPE Sec. 8	

**24 Hour emergency telephone number: CHEMTREC (800) 424-9300**

**Section 2 Hazard Identification**

**Classification of the substance or mixture**

Organic peroxides, Type E  
 Serious eye damage/eye irritation, Category 2  
 Skin sensitization, Category 1

**GHS Label elements, including precautionary statements**



Signal word

Warning

**Hazard statements**

Heating may cause a fire  
 Causes serious eye irritation  
 May cause an allergic skin reaction

**Precautionary statements**

**Prevention**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 Keep only in original container.  
 Keep container tightly closed when not in use.  
 Avoid breathing fumes or vapors.  
 Wash face, hands and any exposed skin thoroughly after handling.  
 Contaminated work clothing should not be allowed out of the workplace.  
 Keep/Store away from clothing/ combustible materials.  
 Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

Get medical advice/attention if you feel unwell.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Section 2 Hazard Identification continued**

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.  
 IF INHALED: Call a POISON CENTER or doctor if you feel unwell.  
 IF SWALLOWED: Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

**Storage**

Store at temperatures not exceeding 38°C / 100°F.  
 Keep cool. Protect from sunlight. Store away from other materials.

**Disposal**

Dispose of contents and containers in accordance with local and national regulations.

**Hazards not otherwise classified (HNOC) or not covered by GHS**

None

**Section 3 Composition/Information on Ingredients**

Hazardous Ingredient	CAS Number	Percent
Benzoyl Peroxide	94-36-0	25 - 50
Isodecyl benzoate	131298-44-7	10 - 25

**Section 4 First-Aid Measures**

**General advice**

Get medical advice/attention if you feel unwell.

**Eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Skin Contact**

Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**Inhalation**

Call a POISON CENTER or doctor if you feel unwell.

**Ingestion**

Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

**Most important symptoms and effects, both acute and delayed**

No information available.

**Indication of any immediate medical attention and special treatment needed**

Note to physicians: Treat symptomatically.

**Section 5 Fire-Fighting Measures**

**Extinguishing media**

Suitable extinguishing media: Dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

Unsuitable extinguishing media: Strong water jet

**Section 5 Fire-Fighting Measures**

**Special hazards arising from the substance or mixture**

Burning produces heavy smoke. Fire may produce irritating and/or toxic gases.  
 In the event of fire and/or explosion do not breathe fumes.

**Special protective equipment and precautions for firefighters**

Wear self-contained breathing apparatus and protective suit.  
 Cool containers with flooding quantities of water until well after fire is out.  
 Do not allow run-off from fire-fighting to enter drains or water courses.

**Section 6 Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures**

Avoid breathing vapors or mists. Use personal protective equipment as required.  
 Avoid contact with skin, eyes or clothing.

**Environmental precautions**

Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

**Methods and materials for containment and cleaning up**

Prevent further leakage or spillage if safe to do so. Clean contaminated surface thoroughly. Clean with detergents. Avoid solvent cleaners. Take up mechanically. Collect spillage with an electrically protected vacuum cleaner or by wet-brushing. Place in appropriate labeled containers for disposal. Dispose of waste product or used containers according to applicable laws and regulations.

**Section 7 Handling and Storage**

**Advice on safe handling**

Use personal protection recommended in Section 8. Comply with the health and safety at work laws. Prevent product from entering drains. Use only with adequate ventilation. Do not breathe fumes or vapors. No smoking. Keep away from food and drink.

**Conditions for safe storage**

Keep/store only in original container. Store in accordance with local regulations. Keep unauthorized personnel away. Containers that have been opened must be carefully resealed to prevent leakage. Keep container tightly closed in a dry and well-ventilated place.

**Incompatible materials**

Strong oxidizing agents. Acids.

**Section 8 Exposure Controls/Personal Protection**

**Components with workplace control parameters**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Benzoyl Peroxide 94-36-0	TWA: 5 mg/m3	TWA: 5 mg/m3	IDLH: 1500 mg/m3 TWA: 5 mg/m3

**Section 8 Exposure Controls/Personal Protection continued**

**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas. Provide local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

**Individual protection measures, such as personal protective equipment (PPE)**

**Eye/face protection**

Wear tight sealing safety goggles when handling this product.

**Skin and body protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate to prevent skin contact.

**Hand protection**

Wear protective gloves. There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical / chemical damage and poor maintenance.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**General Hygienic Practices**

Do not smoke. Keep away from food and drink.  
 Avoid contact with skin, eyes and clothing.  
 Change working clothes after each work shift.  
 Remove and wash contaminated clothing and gloves, including the inside, before re-use.

**Section 9 Physical and Chemical Properties**

<b>Appearance</b>	White paste
<b>Odor</b>	No data available
<b>Odor threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting/ freezing point</b>	No data available
<b>Initial boiling point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flash Point</b>	201°F (94°C)
<b>Flammability (solid, gas)</b>	No data available
<b>Upper/lower flammability</b>	No data available
<b>Vapor pressure</b>	No data available
<b>Vapor density</b>	No data available
<b>Relative density (g/cc)</b>	1.2 ± 0.05
<b>Water Solubility</b>	No data available
<b>Coefficient: n-octanol/ water</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available

**Section 10 Stability and Reactivity**

<b>Reactivity</b>	No information available.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Hazardous polymerization</b>	None under normal processing.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	Strong oxidizing agents. Acids.
<b>Hazardous decomposition products</b>	Carbon monoxide and carbon dioxide.

**Section 11 Toxicological Information**

**Information on likely routes of exposure and symptoms of exposure**

<b>Eye Contact</b>	Causes serious eye irritation.
<b>Skin Contact</b>	May cause an allergic skin reaction
<b>Inhalation</b>	Not a primary route of entry.
<b>Skin Absorption</b>	Not a primary route of entry.
<b>Ingestion</b>	Not a primary route of entry.

**Potential health effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	Not applicable
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation
<b>Skin sensitization</b>	May cause an allergic skin reaction
<b>Respiratory sensitization</b>	Not applicable
<b>Germ cell mutagenicity</b>	Not applicable
<b>Carcinogenicity</b>	Not applicable
<b>Reproductive Toxicity</b>	Not applicable
<b>Specific target organ toxicity (single exposure)</b>	Not applicable
<b>Specific target organ toxicity (repeated exposure)</b>	Not applicable
<b>Aspiration hazard</b>	Not applicable

**Toxicological data**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Benzoyl Peroxide 94-36-0	7710 mg/kg ( Rat )	-	-
Isodecyl benzoate 131298-44-7	-	-	-

**Unknown acute toxicity**

0% of the mixture consists of ingredients of unknown toxicity.

**Section 12 Ecological Information**

**Ecotoxicity**

<b>Environmental precautions</b>	Prevent product from entering drains.
<b>Marine pollutant</b>	This material meets the definition of a marine pollutant.
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Results of PBT &amp; vPvB assessment</b>	PBT and vPvB assessment has not been carried out

**Section 13 Disposal Considerations**

Contact a licensed disposal contractor for detailed recommendations. Dispose of wastes in accordance with applicable local, regional, national, and/or international laws and regulations. Contaminated packaging must be scrapped or reconditioned. Improper disposal or reuse of contaminated packaging may be dangerous and illegal.

**Section 14 Transport Information**

**DOT/IMDG/IATA**

<b>UN/ID No.:</b>	UN3108
<b>Proper Shipping Name:</b>	Organic Peroxide, Type E, Solid Dibenzoyl Peroxide
<b>Hazard Class:</b>	5.2
<b>Packing Group:</b>	II

**Environmental hazard:** Yes

**Marine pollutant:** This material meets the definition of a marine pollutant  
**Marine pollutant:** Dibenzoyl peroxide , Zinc stearate

**Special Provisions**

	122, 274	A20, A802
Emergency Response Guide	EmS-No	
Number	F-J, S-R	
145		

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No information available

*The supplier may apply one of the following exceptions: Combustible Liquid (49 CFR 173.150(f)); Consumer Commodity (49 CFR 173.150(c), ICAO/IATA SP A112); Limited Quantity (49 CFR 173.150(b), ICAO Part 3 Chapter 4, IATA 2.7, IMDG Chapter 3.4); Viscous Liquid (49 CFR 173.121(b), IMDG 2.3.2.2, IATA 3.3.3.1.1, ICAO 3.2.2, ADR 2.2.3.1.5); Does Not Sustain Combustion (49 CFR 173.120(a), IATA 3.3.1.3, ICAO 3.1.3, IMDG 2.3.1.3, ADR 2.2.3.1.1 Note 1); or others as allowed under hazardous materials/dangerous goods regulations.*

**Section 15 Regulatory Information**

**International Inventories**

**TSCA** - United States Toxic Substance Control Act Section 8(b) Inventory: All components are listed or exempt from listing.

**DSL** - Canadian Domestic Substance List : All components are listed or exempt from listing.

**US Federal Regulations**

**SARA 313:** Benzoyl Peroxide (94-36-0) 25-50%  
Zinc Stearate (557-05-1) 5-10%

**SARA 311/312:** Acute Health Hazard, Chronic Health Hazard, Reactive Hazard

**US State Right-to-Know Regulations**

**California Proposition 65:** This product is not known to contain any components for which the State of California has found to cause cancer, birth defects or other reproductive harm.

**Other US State Right-to-Know Regulations:** Benzoyl Peroxide (94-36-0), Isodecyl benzoate (131298-44-7), Zinc Stearate (557-05-1), Calcium sulfate (7778-18-9)

**Section 16 Other Information**

**Disclaimer**

The following supersedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict of liability arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.