

# Safety Data Sheet (SDS)

According to GHS (Global Harmonized System) - Hazcom 2012

Date Printed (YYYY-MM-DD): 2020-04-15

## Section 1 - Product and Company Information

**Product Name:** Cream Hardener

**Product Part Number(s):** 1046-H, 1046-H

**Recommended Use:** Hardener for polyester filler.

**COMPANY IDENTIFICATION:**

Polyvance  
1128 Kirk Rd.  
Rainsville, AL 35986

**Information email:** info@polyvance.com

**EMERGENCY TELEPHONE NUMBER:**

**24 Hour Emergency contact:** Chemtrec: 1-800-424-9300  
Outside US: 703-527-3887

**Customer Information Number:** 256-638-4103 (7AM - 4PM (CST) M-F)

## Section 2 - Hazards Identification

**Appearance:** Red paste

**Odor:** Ester-type odor

**Hazard Statement:**

DANGER! Heating may cause a fire or explosion. Causes skin irritation. May cause an allergic skin reaction. Causes eye irritation.

**Signal Word:** DANGER!

**Signal Word Hazard:** Heating may cause a fire or explosion

GHS Physical Hazard Pictogram	GHS Health Hazard Pictogram(s)	GHS Environmental Hazard Pictogram
Not Applicable	 Irritant	Not Applicable

### GHS Hazards Statement Codes for This Product

Statement Type	Statement Code	Statement Text
Health	H317	May cause an allergic skin reaction
Health	H320	Causes eye irritation
Physical	H241	Heating may cause a fire or explosion
Health	H315	Causes skin irritation

**Precautionary Statement:**

Keep out of reach of children. Read label before use. Do not get in eyes, on skin, or on clothing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

### GHS Precautionary Statement Codes for This Product

Statement Type	Statement Code	Statement Text
Prevention	P262	Do not get in eyes, on skin, or on clothing
Response	P301+330+33	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

General	P102	Keep out of reach of children
General	P103	Read label before use

## Potential Health Effects

<b>Eye Contact:</b>	Eye irritant.
<b>Skin Contact:</b>	Prolonged exposure may cause skin irritation.
<b>Skin Absorption:</b>	Prolonged skin contact is unlikely to result in absorption of harmful amounts.
<b>Inhalation:</b>	Brief exposure (minutes) is not likely to cause adverse effects. Excessive exposure may cause irritation to upper respiratory tract (nose and throat).
<b>Ingestion:</b>	Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury.

## Section 3 - Composition / Information on Ingredients

Component	CAS #	ENIECS	REACH Reg. No.	Amount
Benzoyl Peroxide	94-36-0			47 - 50%
Plasticizer (Proprietary, Ester based, non-Pthalat	800951-5002-p			25 - 30%
Calcium Carbonate	471-34-1			15 - 19%
Water	7732-18-5			10-13%
Surfactant (Proprietary, Ethoxylated Alkyl Pheno	800951-5003-p			1 - 4%
Fumed Silica	7631-86-9			0 - 4%

## Section 4 - First Aid Measures

<b>Eye Contact:</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.
<b>Skin Contact:</b>	Flush with plenty of soap and water for 15 minutes.
<b>Inhalation:</b>	Remove to fresh air immediately. Give CPR/Oxygen if necessary.
<b>Ingestion:</b>	Give patient several glasses of water, but do not induce vomiting; seek immediate medical attention.

## Section 5 - Firefighting Measures

<b>Extinguishing Media:</b>	Carbon dioxide, dry chemical, foam
<b>Special Protective Equipment:</b>	Firefighting personnel should be equipped with insulated, autonomous respiratory protection equipment.
<b>Unusual Fire or Explosion Hazards:</b>	Closed containers exposed to high temperatures, such as fire conditions may rupture.
<b>Fire Fighting Procedures:</b>	Fight like a fuel oil fire. Cool fire exposed containers with water spray. Fire fighter should wear OSHA/NIOSH approved self-contained breathing apparatus. For large quantities, fight fire from a distance.

## Section 6 - Accidental Release Measures

<b>Personal Precautions:</b>	Ventilation: General ventilation is required during normal use. Protective gloves: Wear appropriate impervious gloves to prevent skin contact. Eye protection: Wear protective safety glasses with side-shields or face shield. Other protection: Wear appropriate clothing to prevent skin contact.
<b>Methods For Clean Up:</b>	Wash and clean up small spills with water and detergent. Pick up large spills with inert absorbent

and place in container for disposal.

**Methods for Containment:**

Contain split material in order to avoid its transfer to sewers or river and streams. Physically remove the material. Cover product with sand, earth or any other similar absorbent substance in order to soak up material. The resulting mix may then be shoveled into containers and removed for proper disposal.

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## Section 7 - Handling and Storage

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**General Handling Practices:**

Avoid inhalation of dusts created during machining. Inform personnel of risks associated with the product, the precautions to be taken and procedures to follow where an accident occurs. Observe personal hygiene rules to avoid contact with eyes and skin. Avoid inhaling vapors produced by the material, especially when heated and/or sprayed. Install showers and eye baths. Ensure sufficient ventilation, including appropriate local air extraction, in order to comply with workplace exposure limits. Where vapors could escape into the air, local specific means of ventilation will be necessary. Wash hands thoroughly at beginning of every work break and at the end of the working day. Work stations and the general working area must be kept perfectly clean. Avoid exposure to the material of person having suffered from eczema or any other skin condition.

**Storage Requirements:**

Do not store the product above 100F (38C). Keep product away from heat, open flame, and other sources of ignition. Avoid contact with strong acids, alkali's and oxidizers. Do not freeze-separation may occur upon thawing. Cream hardener has an 18 month shelf life.

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## Section 8 - Precautions to Control Exposure / Personal Protection

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Component	Source	Type	Value	Remarks
Benzoyl Peroxide	ACGIH	TLV	5 mg/m <sup>3</sup>	TWA
Benzoyl Peroxide	OSHA	PEL	5mg/m <sup>3</sup>	TWA

### Personal Protective Equipment (PPE):

**Eye / Face Protection:** Safety glasses or goggles with splash guards or rubber gloves.

**Skin Protection:** To prevent prolonged exposure, use rubber gloves.

**Respiratory Protection:** Does not require a respirator with general room ventilation. If room ventilation is lacking, use NIOSH/MSHA approved respirator to remove vapors. Use an air supplied respirator if necessary.

**Hygienic Measures:** Wash hands before smoking, eating or using washroom.

**Other Protection Measures:** Wear protective clothing as required to prevent skin contact.

**Engineering Controls:** Use adequate ventilation in volume and pattern to keep TLV/PEL below recommended levels. General mechanical ventilation is acceptable.

**HMIS Personal Protection:** G



Safety Glasses



Gloves



Vapor Respirator

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## Section 9 - Physical and Chemical Properties

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**Appearance:** Red Paste

**Color:** Red

**Odor Threshold:** Not determined

**pH:** Not determined

**Melting Point:** Not available  
**Freezing Point:** Not available  
**Boiling Point:** Benzoyl Peroxide decomposes explosively above 55C  
**Boiling Range:** Not available  
**Flash Point:** 184 F (84 C)  
**Evaporation Rate:** Not available  
**Flammability:** Not available  
**Upper Flammability Limit:** Not available  
**Lower Flammability Limit:** Not available  
**Vapor Pressure:** 0.67 - 0.93 kPa  
**Vapor Density:** Heavier than air  
**Specific Gravity:** 1.2 - 1.3  
**Solubility in Water:** Negligible  
**Partition Coefficient:** Not available  
**Autoignition Temperature:** Not available  
**Decomposition Temperature:** 55 C (131 F)  
**Viscosity:** Not available

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## Section 10 - Stability and Reactivity

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**Chemical Stability:** Not Stable  
**Conditions to Avoid:** Open flames, sparks, heat, electrical and static discharge.  
**Incompatible Materials:** Strong acids, alkalis, oxidizers, reducing agents, mineral acids, metal salt (catalyst)  
**Hazardous Decomposition Products:** Carbon dioxide, carbon monoxide, carbon and possibly flammable gasses.  
**Hazardous Polymerization:** Will Not Occur

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## Section 11 - Toxicological Information

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**Ingestion Toxicity:** Low toxicity for a single oral dose. LD50 (rat): >5000 mg/kg  
**Skin Absorption:** Repeated or prolonged single exposure may cause irritation to the skin. May cause a cutaneous allergic reaction in predisposed individuals. It appears unlikely that any danger is attached to absorption of quantities of the product through the skin following prolonged single exposure.  
**Inhalation:** May be irritating to the respiratory tract. LC50 (rat): > 24.3 mg/L  
**Eye Irritation:** Causes eye irritation  
**Skin Irritation:** May cause allergic skin reaction.

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## Section 12 - Ecological Information

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**EcoToxicity:** Not established  
**Persistence/Degradability:** Not Available  
**Bioaccumulation:** Not Available  
**Mobility / Partitioning:** Not Available

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## Section 13 - Disposal Considerations

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**Disposal Method:** Dispose of in accordance with local, state, and federal regulations. Do not incinerate in closed containers  
**Container Disposal:** Disposal must be made according to official regulations.

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## Section 14 - Transport Information

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### DOT

**Proper Shipping Name:** Organic Peroxide Type E., Solid (35% Dibenzoyl Peroxide)

**Hazard Class:** 5.2

**Identification Number:** UN3108

**Packing Group:** II

### IMDG (Maritime transport)

**Proper Shipping Name:** Organic Peroxide Type E., Solid (Dibenzoyl Peroxide)

**IMDG Class:** 5.2

**UN Number:** UN3108

**Label:** H0072000

**EMS Number:** F-J, S-R

### IATA (Air transport)

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## Section 15 - Regulatory Information

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Superfund Amendments and Reauthorization Act of 1986 (Emergency Planning and Community Right-to-Know Act of 1986)  
Sections 311 and 312

Immediate (Acute) Health Hazard: Not available

Delayed (Chronic) Health Hazard: Not available

Fire Hazard: Not available

Reactive Hazard: Not available

Sudden Release of Pressure: Not available

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**The following lists hazardous components and the regulatory lists for which they are required to be reported.**

**Component:** Benzoyl Peroxide

**CAS:** 94-36-0

**Amount:** 47 - 50%

Benzoyl Peroxide is on the California Prop 65 Cancer list.

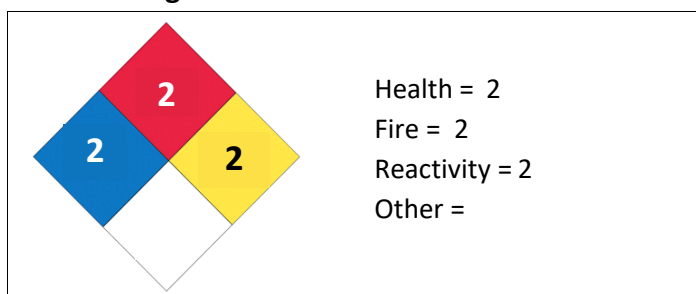
Benzoyl Peroxide is listed with the Environmental Protection Agency (EPA) as a possible carcinogen.

is listed with the Occupational Safety and Health Administration (OSHA) as a possible carcinogen.

### HMIS Rating (0 - 4)

<b>HEALTH</b>	<b>2</b>	Health = 2
<b>FIRE</b>	<b>2</b>	Fire = 2
<b>PHYSICAL</b>	<b>1</b>	Physical = 1
<b>PERSONAL PROTECTION</b>	<b>G</b>	Personal Protection = G

### NFPA Ratings



## Section 16 - Other Information

### Legend

ACGIH	American Conference of Governmental Hygienists
CFR	Code of Federal Regulations
DFG	Deutsche Forschungsgemeinschaft
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
MAK	Maximum Allowable Concentration (German)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
OEL	Occupational Exposure Limit
RCRA	Resource Conservation and Recovery Act
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

### DISCLAIMER

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