

## 1. IDENTIFICATION

**Product identifier**

**Product Name** EVERCOAT BLUE CREAM HARDENER

**Other means of identification**

**Product Code** BLUE CREAM HARDENER

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Hardener. For professional use only.

**Uses advised against** Uses other than recommended use.

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

**Manufacturer Address**

ITW Evercoat  
6600 Cornell Road  
Cincinnati, Ohio 45242  
Telephone: 513-489-7600

**24-hour emergency phone number**

CHEMTREC: 1-800-424-9300  
INTERNATIONAL: 1-703-527-3887

**May Also Be Distributed by:**

ITW Permatex Canada  
101-2360 Bristol Circle  
Oakville, ON Canada L6H 6M5  
Telephone: (800) 924-6994

**E-mail address:** Info@evercoat.com

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

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

**Label elements**

**Emergency Overview**

**Signal word**

**Warning**

Causes eye irritation  
May cause an allergic skin reaction  
Very toxic to aquatic life with long lasting effects  
Heating may cause a fire



**Appearance** Blue

**Physical state** Liquid

**Odor** ESTER ODOR

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing should not be allowed out of the workplace

Avoid release to the environment

Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Wear protective gloves/protective clothing/eye protection/face protection

Keep/Store away from clothing/ combustible materials

Keep only in original container

Keep/Store away from clothing/strong acids, bases, heavy metal salts, and other reducing substances/combustible materials.

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

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

Collect spillage

**Precautionary Statements - Storage**

Store away from other materials

Protect from sunlight

Store at temperatures not exceeding 25 °C / 77 °F

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

Not applicable.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Dibenzoyl Peroxide	94-36-0	30 - 60

### 4. FIRST AID MEASURES

**Description of first aid measures**

**General advice**

If symptoms persist, call a physician.

**Eye contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

**Skin contact**

Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**Inhalation**

Immediate medical attention is not required. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapors or decomposition products.

**Ingestion**

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician. Do NOT induce vomiting.

**Self-protection of the first aider**

Use personal protective equipment as required.

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

**Symptoms** See section 2 for more information.

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

**Note to physicians** Treat symptomatically.

## **5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

Use, Dry chemical, Carbon dioxide (CO2), Water spray (fog), Alcohol resistant foam

**Unsuitable extinguishing media**

High volume water jet

**Specific hazards arising from the chemical**

Keep product and empty container away from heat and sources of ignition. Risk of ignition. Contact with incompatible materials or exposure to temperatures exceeding SADT may result in a self-accelerating decomposition reaction with release of flammable vapors which may auto-ignite. The product burns violently. Flash back possible over considerable distance. Vapors may form explosive mixtures with air. Cool closed containers exposed to fire with water spray.

**Explosion data**

**Sensitivity to Mechanical Impact** No Data Available.

**Sensitivity to Static Discharge** No Data Available.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **6. ACCIDENTAL RELEASE MEASURES**

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

**Personal precautions** Use personal protective equipment as required. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

**Environmental precautions**

**Environmental precautions** Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Dam up. Use personal protective equipment as required. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## **7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Use with local exhaust ventilation. All equipment used when handling the product must be grounded. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use

personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers. Keep at a temperature not exceeding 10-25 °C.

**Incompatible materials** Strong oxidizing agents, Acids, Alkalis.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Dibenzoyl Peroxide 94-36-0	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> (vacated) TWA: 5 mg/m <sup>3</sup>	IDLH: 1500 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>

NIOSH IDLH *Immediately Dangerous to Life or Health*

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Tight sealing safety goggles. Avoid contact with eyes.

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

**Respiratory protection** Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.

**General Hygiene Considerations** When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice. Keep working clothes separately.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

**Physical state** Liquid  
**Appearance** Blue  
**Odor** ESTER ODOR  
**Odor threshold** No information available

<u>Property</u>	<u>Values</u>
pH	No information available
Melting point / freezing point	No information available
Boiling point / boiling range	No information available
Flash point	115 °C / 239 °F
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	

**Remarks • Method**

Decomposition: Decomposes below the boiling point.

<b>Upper flammability limit:</b>	No information available
<b>Lower flammability limit:</b>	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Relative density</b>	No information available
<b>Water solubility</b>	Insoluble
<b>Solubility(ies)</b>	No information available
<b>Partition coefficient</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	SADT= 50 °C

Remarks: Self-Accelerating decomposition temperature (SADT): 50 °C SADT-Self Accelerating Decomposition Temperature. Lowest temperature at which the tested package size will undergo a self-accelerating decomposition reaction.

<b>Kinematic viscosity</b>	No information available
<b>Dynamic viscosity</b>	No information available
<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	The substance or mixture is not classified as oxidizing.

**Other Information**

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content (%)</b>	8.9
<b>Density</b>	1.15 g/cm3 (25 °C)
<b>Bulk density</b>	No information available
<b>SADT (self-accelerating decomposition temperature)</b>	No information available

## 10. STABILITY AND REACTIVITY

**Reactivity**

Stable under normal conditions

**Chemical stability**

Stable under recommended storage conditions

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

Strong oxidizing agents, Acids, Alkalis.

**Hazardous Decomposition Products**

Thermal decomposition can lead to release of irritating and toxic gases and vapors

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Eye contact</b>	Contact with eyes may cause irritation. May cause redness and tearing of the eyes.
<b>Skin contact</b>	May cause skin irritation and/or dermatitis.
<b>Ingestion</b>	Ingestion may cause irritation to mucous membranes.

<b>Chemical Name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
Dibenzoyl Peroxide 94-36-0	= > 2,000 mg/kg	No data available.	= > 24.3 mg/l

**Information on toxicological effects**

**Symptoms** May cause an allergic skin reaction. Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Dibenzoyl Peroxide 94-36-0	-	Group 3	-	-

IARC (International Agency for Research on Cancer)

*Not classifiable as a human carcinogen*

**Target Organ Effects** Eyes, Respiratory system, Skin, Central nervous system.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Very toxic to aquatic life Very toxic to aquatic life with long lasting effects

**Persistence and degradability**

No information available.

**Bioaccumulation**

Bioaccumulative potential.

**Mobility**

No information available.

Chemical Name	Partition coefficient
Dibenzoyl Peroxide 94-36-0	log Pow: 3.2 (20 °C)

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container.

**US EPA Waste Number** Not applicable

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Dibenzoyl Peroxide 94-36-0	Toxic Ignitable Reactive

**14. TRANSPORT INFORMATION**

**DOT**

**UN/ID No** UN3108  
**Proper shipping name:** ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE, 50%)  
**Hazard Class** 5.2  
**Emergency Response Guide Number** 145

**IATA**

**UN/ID No** UN3108  
**Proper shipping name:** ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)  
**Hazard Class** 5.2  
**ERG Code** Not available.  
**Special Provisions** Warning: Organic Peroxides.

**IMDG**

**UN/ID No** UN3108  
**Proper shipping name:** ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)  
**Hazard Class** 5.2  
**EmS-No** F-J, S-R  
**Special Provisions** Warning: Organic peroxides.

**15. REGULATORY INFORMATION**

**International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
Dibenzoyl Peroxide - 94-36-0	1.0

**SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Dibenzoyl Peroxide 94-36-0	X	X	X

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**WHMIS Hazard Class**

Non-controlled

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b>NFPA</b>	<b>Health hazards 2</b>	<b>Flammability 1</b>	<b>Instability 0</b>	<b>-</b>
<b>HMIS</b>	<b>Health hazards 2</b>	<b>Flammability 1</b>	<b>Physical hazards 0</b>	<b>Personal protection B</b>

NFPA (National Fire Protection Association)

HMIS (Hazardous Material Information System)

**Revision Date** 18-Apr-2019

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**End of Safety Data Sheet**