

Safety Data Sheet

Product Name: Cream Hardener (Red)

Product identifier: 100358

Revision Date: 08-18-2016

Replaces:

EVERCOAT®

1. Identification

Product identifier used on the label:

Product Name: Cream Hardener (Red)

Product identifier: 100358

Other means of identification

Synonyms: No data available

Recommended use of the chemical and restrictions on use: Polymerization initiator

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Chemical Manufacturer /
Importer / Distributor: ITW Evercoat
a division of Illinois Tool Works Inc.
6600 Cornell Road
Cincinnati, OH 45242
513-489-7600

Emergency phone number: CHEMTREC: 1-800-424-9300
CANUTEC: 1-613-996-6666

2. Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

GHS Hazard
Symbols:



GHS Classification: Skin Sensitisation Category 1
Serious Eye Damage/Eye Irritation Category 2A
Flammable Liquid Category 4

GHS Signal Word: Warning
GHS Hazard Statements: Combustible Liquid
May cause an allergic skin reaction.
Causes serious eye irritation.

GHS Precautionary Statements:

Safety Precautions: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.

Safety Data Sheet

Product Name: Cream Hardener (Red)

Product identifier: 100358

Revision Date: 08-18-2016

Replaces:

First Aid Measures:

Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment (see on this label).
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Wash contaminated clothing before reuse.
In case of fire: Use appropriate media to extinguish.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

Storage:

Disposal:

Hazards not otherwise classified:

No data available

3. Composition/information on ingredients

Chemical Component:	CAS number and other unique identifiers	% (or range) of ingredient
Benzoyl Peroxide	94-36-0	30 - 60

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:

Eye Contact:

Use an eye wash to remove a chemical from your eye regardless of the level of hazard. Flush the affected eye for at least twenty minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice after flushing. Flush eyes gently with water for at least 15 minutes, lifting upper & lower eye lids. Seek immediate medical attention.

Skin Contact:

Wash with soap and water. Get medical attention if irritation develops or persists. Remove contaminated clothing and continue flushing with water. Wash affected area thoroughly with soap and water. Seek immediate medical attention. Wash clothing before reuse.

Inhalation:

Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If symptoms develop, immediately move individual away from exposure and into fresh air. Get medical attention immediately. Keep the victim warm and quiet. If the victim has stopped breathing open airway, loosen collar and belt,

Safety Data Sheet

Product Name: Cream Hardener (Red)

Product identifier: 100358

Revision Date: 08-18-2016

Replaces:

Ingestion: and administer artificial respiration. If breathing is difficult, oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice.

Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this MSDS. Call a physician or poison control center immediately. Do not induce vomiting unless directed to do so by medical personnel. Drink plenty of water. If individual is drowsy or unconscious, do not give anything by mouth; place individual on left side with head down. If possible, do not leave individual unattended.

Most important symptoms/effects, acute and delayed:

Most important symptoms/effects (Acute): No data available

Most important symptoms/effects (Delayed): Benzoyl Peroxide: Repeated or prolonged contact may cause skin sensitization.

Overexposure to this material has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects, mild, reversible kidney effects, cardiac sensitization, kidney damage.

Benzoyl Peroxide has caused tumorigenic effects in laboratory animals.

Indication of immediate medical attention and special treatment needed, if necessary: No additional first aid information available

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media: Use alcohol resistant foam, carbon dioxide, dry chemical, or water spray when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the fire. Do not direct a water stream directly into the hot burning liquid. Regular foam Carbon dioxide Dry chemical

Unsuitable extinguishing media: No data available

Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):

Fire and/or Explosion Hazards: Material may be ignited if preheated to temperatures above the flash point in the presence of a source of ignition. Material is easily ignited if allowed to dry.

Hazardous Combustion Toxic and corrosive gases,, Carbon dioxide, Carbon monoxide,

Safety Data Sheet

Product Name: Cream Hardener (Red)

Product identifier: 100358

Revision Date: 08-18-2016

Replaces:

Products:	Benzoic acid, Hydrocarbons
Special protective equipment and precautions for fire-fighters:	<p>Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Fight fire like a fuel oil fire.</p> <p>Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat.</p> <p>Wear a self contained breathing apparatus (NIOSH approved) with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.</p>

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures:	No health affects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section VIII of this MSDS
Methods and materials for containment and cleaning up:	<p>No special spill clean-up considerations. Collect and discard in regular trash. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area. Activate available exhaust ventilation equipment in the immediate spill area.</p> <p>All personnel in the area should be protected as in Section 8. Avoid breathing vapors. Use an inert absorbent such as sand or vermiculite. Place in properly labeled closed container.</p>

7. Handling and storage

Precautions for safe handling:	Mildly irritating material. Avoid unnecessary exposure. All hazard precautions given in the data sheet must be observed. Do not get in eyes, on skin and clothing Wash hands before eating Use with adequate ventilation Avoid breathing vapors or mists. Do not take internally. Keep container closed when not in use. Keep out of the reach of children.
Conditions for safe storage, including any incompatibilities	
Conditions for safe storage:	Store in a cool dry place. Isolate from incompatible materials. Store in a cool dry place Do not store the product above 100°F/38°C. Do not flame, cut, braze, weld or melt empty containers. Keep product away from heat, open flame, and other sources of ignition. Keep away from heat, sparks, and flame Store in a tightly closed container Avoid contact with incompatible materials such as strong acids, alkalis and oxidizers.
Materials to Avoid/Chemical	Organic materials Inorganic acids Strong oxidizing agents

Safety Data Sheet

Product Name: Cream Hardener (Red)

Product identifier: 100358

Revision Date: 08-18-2016

Replaces:

Incompatibility: Accelerators Reducing agents Alcohols Amines Strong alkalies

8. Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:

Chemical Component	OSHA PEL	ACGIH TLV-TWA	ACGIH STEL
Benzoyl Peroxide	5 mg/m ³	5 mg/m ³	No data available

Appropriate engineering controls: No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use. General or local ventilation or isolation may prove adequate to keep airborne exposures below exposure limits. Explosion proof exhaust ventilation should be used.

Individual protection measures, such as personal protective equipment:

Eye Protection: Wear safety glasses when handling this product. Splash proof chemical goggles are recommended to protect against the splash of product.

Skin Protection: Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene and wear a barrier cream and/or impervious surgical style gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Protective gloves and proper clothing should be worn to prevent skin contact. Gloves should be made of neoprene or natural rubber. To prevent repeated or prolonged skin contact, wear impervious clothing and boots

Respiratory Protection: No respiratory protection required under normal conditions of use. Provide general room exhaust ventilation if symptoms of overexposure occur as explained Section III. A respirator is not normally required. Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors.

Other Protective Equipment: Splash proof chemical goggles are recommended to protect against the splash of product. Protective gloves and proper clothing should be worn to prevent skin contact. Gloves should be made of neoprene or natural rubber. To prevent repeated or prolonged skin contact, wear impervious clothing and boots

9. Physical and chemical properties

Appearance (physical state, color, etc.):

Appearance (physical state): Paste

Color: Red

Safety Data Sheet

Product Name: Cream Hardener (Red)

Product identifier: 100358

Revision Date: 08-18-2016

Replaces:

Odor:	Ester-like
Odor threshold:	No data available
pH:	Neutral
Melting Point/Freezing Point (°C):	No data available
Initial Boiling Point and Boiling Range (°C):	100
Flash Point (°C):	84
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	
Upper Flammable/Explosive Limit (%):	No data available
Lower Flammable/Explosive Limit (%):	No data available
Vapor Pressure:	No data available
Vapor Density:	>1
Relative Density:	1.2
Solubility(ies):	Insoluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition Temperature (°C):	No data available
Decomposition Temperature:	No data available
Viscosity:	No data available
VOC (as packaged-less exempts and water):	0 or 0
VHAP Content by weight – as packaged:	0

10. Stability and reactivity

Reactivity:	No data available
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	No data available
Conditions to avoid (e.g., static discharge, shock, or vibration):	Contamination
Incompatible materials:	Organic materials Inorganic acids Strong oxidizing agents Accelerators Reducing agents Alcohols Amines Strong alkalies
Hazardous decomposition products:	Toxic and corrosive gases, Carbon dioxide Carbon monoxide Benzoic acid Hydrocarbons

11. Toxicological information

Safety Data Sheet

Product Name: Cream Hardener (Red)

Product identifier: 100358

Revision Date: 08-18-2016

Replaces:

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion, Skin contact, Eye contact, Absorption

Symptoms related to the physical, chemical and toxicological characteristics: No data available

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation: Can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache. Excessive inhalation of vapors may cause nasal and respiratory irritation, acute nervous system depression, fatigue, weakness, nausea, headache and dizziness.

Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.

Skin Contact: Can cause minor skin irritation, defatting, and dermatitis.

Skin Absorption: Causes skin irritation. Contact may cause irritation and possible dermatitis or sensitization. Symptoms may include minor itching, burning and/or redness, Dermatitis, defatting may be readily absorbed through the skin. Substance can be absorbed through the skin in harmful amounts.

Eye Contact: Can cause minor irritation, tearing and reddening. Contact with paste may result in irritation, redness, tearing, blurred vision, and/or swelling.

Ingestion Irritation: Mildly irritating to mouth, throat, and stomach. Can cause abdominal discomfort. Causes gastrointestinal tract irritation, nausea, vomiting, diarrhea and possible ulcerations to mucous membranes.

Ingestion Toxicity:

Long-Term (Chronic) Health Effects:

Carcinogenicity: None of the substances have been shown to cause cancer in long term animal studies. Not a carcinogen according to NTP, IARC, or OSHA. Not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.

Reproductive and Developmental Toxicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Inhalation: Upon prolonged and/or repeated exposure, can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.

Skin Contact: Upon prolonged or repeated contact, can cause minor skin irritation, defatting, and dermatitis.

Safety Data Sheet

Product Name: Cream Hardener (Red)

Product identifier: 100358

Revision Date: 08-18-2016

Replaces:

Numerical measures of toxicity (such as acute toxicity estimates)

Component Toxicology Data

Chemical Component	Oral LD50	Dermal LD50	Inhalation LC50
Benzoyl Peroxide	Oral LD50 Rat 7710 mg/kg		

Whether the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
No data available	N	N	N

12. Ecological information

Ecotoxicity (aquatic and terrestrial, where available):	This material is not expected to be harmful to the ecology. The ecological toxicity of this product is not known
Persistence and degradability:	No data available
Bioaccumulative potential:	No data
Mobility in soil:	No data available
Other adverse effects (such as hazardous to the ozone layer):	No data available

Ecological Toxicity Data

Chemical Component	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
No data available			

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

Description of waste residues:	Spent or discarded material may be a hazardous waste.
Safe Handling of Waste:	This material as supplied, if discarded, would be regulated as a hazardous waste under RCRA (40 CFR 261).
Waste treatment methods (including packaging):	Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal Code(s):	D001

14. Transport information

UN number:	UN3108
UN proper shipping name:	ORGANIC PEROXIDE TYPE E, (DIBENZOYL PEROXIDE)

Safety Data Sheet

Product Name: Cream Hardener (Red)

Product identifier: 100358

Revision Date: 08-18-2016

Replaces:

Transport hazard class(es): 5.2
Packing group: No data available

The shipper is responsible for following all applicable regulations. The transportation classification provided is based on ITW Evercoat original packaging, which is suitable for domestic ground transport only.

15. Regulatory information

Safety, health and environmental regulations specific for the product in question

TSCA Status: A component or components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

Regulated Components

Chemical Component	CAS number and other unique identifiers	CERCLA	SARA EHS	SARA 313	California Prop 65
Benzoyl Peroxide	94-36-0	N	N	Y	N

16. Other information, including date of preparation or last revision.

Revision Date: 08-18-2016
Revision Number: 8

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