

Safety Data Sheet

Product Name: BPO Catalyst

Product identifier: 100457

Revision Date: 08-18-2016

Replaces:

EVERCOAT®

1. Identification

Product identifier used on the label:

Product Name: BPO Catalyst

Product identifier: 100457

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

GHS Signal Word: Warning

GHS Hazard Statements: May cause an allergic skin reaction.
Causes serious eye irritation.

GHS Precautionary Statements:

Safety Precautions: Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
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.

First Aid Measures:

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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.

Disposal:

Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

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	10 - 30

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.

Skin Contact:

Wash with soap and water.

Inhalation:

Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.

Ingestion:

No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS.

Most important symptoms/effects, acute and delayed:

Most important

No data available

symptoms/effects (Acute):

Most important

No data available

symptoms/effects (Delayed):

Indication of immediate medical attention and special treatment needed, if necessary:

No additional first aid information available

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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.

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.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

Special protective equipment and precautions for fire-fighters: 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.

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures: No adverse health affects expected from the clean-up of spilled material. Follow personal protective equipment recommendations found in Section VIII of this MSDS.

Methods and materials for containment and cleaning up: No special spill clean-up considerations. Collect and discard in regular trash.

7. Handling and storage

Precautions for safe handling: No special handling instructions due to toxicity. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid breathing material. Minimize dust generation and accumulation

Conditions for safe storage, including any incompatibilities

Conditions for safe storage: Store in a cool dry place. Isolate from incompatible materials. Keep container closed when not in use

Materials to Avoid/Chemical Incompatibility: Metals Strong oxidizing agents Acids

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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. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits

Individual protection measures, such as personal protective equipment:

Eye Protection:

Wear safety glasses when handling this product. Wear goggles if dusts can reach the exposure limit. An eye wash station must be available where this product is used.

Skin Protection:

Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

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. Follow a respiratory protection program that meets 29 CFR 1910.134 and ANSI Z88.2 requirements whenever work place conditions warrant the use of a respirator. Wear a NIOSH approved respirator if any exposure is possible.

Other Protective Equipment:

Wear goggles if dusts can reach the exposure limit. An eye wash station must be available where this product is used.

9. Physical and chemical properties

Appearance (physical state, color, etc.):

Appearance (physical state):	Paste
Color:	Blue
Odor:	Ester-like
Odor threshold:	No data available
pH:	7
Melting Point/Freezing Point (°C):	No data available
Initial Boiling Point and Boiling Range (°C):	100
Flash Point (°C):	No data available

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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:	No data available
Relative Density:	1
Solubility(ies):	Minimal; 1-9%
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
VOC (as applied* - 2% by wt hardener- less exempts and water):	0 or 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):	None known.
Incompatible materials:	Metals Strong oxidizing agents Acids

11. Toxicological information

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	Inhalation, Ingestion, Eye contact
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.
Inhalation Toxicity:	Harmful! Can cause systemic damage (see "Target Organs)
Skin Contact:	No hazard in normal industrial use.
Eye Contact:	Can cause minor irritation, tearing and reddening.
Ingestion Irritation:	No hazard in normal industrial use.

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Ingestion Toxicity: Harmful if swallowed. May cause systemic poisoning.

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.

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. Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")

Skin Contact: Unlikely to cause irritation even on repeated contact.

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.

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			

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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.

Waste treatment methods (including packaging): Dispose of by incineration following Federal, State, Local, or Provincial regulations.

14. Transport information

UN number: No data available

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

Transport hazard class(es): No data available

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: All components in this product are on the TSCA Inventory.

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.

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