

# Safety Data Sheet

Product Name: BPO Catalyst

Product identifier: 100457

Revision Date: 12-14-2015

Replaces:



## 1. Identification

**Product Name:** BPO Catalyst  
**Product identifier:** 100457  
**Relevant identified uses of the substance or mixture and uses advised against:** Polymerization initiator

### Other means of identification

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

**Emergency telephone 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:** Cumbustible 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.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves/protective clothing/eye protection/face protection.

**First Aid Measures:** IF ON SKIN: Wash with plenty of soap and water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses,

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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 for extinction.  
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	10 - 30

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

## 4. First-aid measures

**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.

**Immediate medical attention and special treatment needed,:**

No additional first aid information available

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## 5. Fire-fighting measures

- 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
- 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 material 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:** 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

## 8. Exposure controls/personal protection

### Limits:

Chemical Component	OSHA PEL	ACGIH TLV-TWA	ACGIH STEL
Benzoyl Peroxide	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	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

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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

**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.

**General Hygiene Conditions:** As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid breathing material. Minimize dust generation and accumulation

## 9. Physical and chemical properties

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):	84
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Upper Flammable/Explosive Limit:	No data available
Lower Flammable/Explosive Limit:	No data available
Vapor Pressure:	< 1 MMHG@20C/68F 17.5 MMHG@20C/68F
Vapor Density:	No data available
Relative Density:	1
Solubility(ies):	Minimal; 1-9%
Partition coefficient: n-octanol/water:	No data available

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Auto-ignition Temperature (°C):	80 °C
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.
Conditions to avoid:	None known. .
Incompatible materials:	Metals Strong oxidizing agents Acids

## 11. Toxicological information

Likely routes of exposure (inhalation, ingestion, skin and eye contact): Inhalation, Ingestion, Eye contact

### 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.
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.

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## Component Toxicology Data

Chemical Component	Oral LD50	Dermal LD50	Inhalation LC50
No data available			

Has the chemical been classified as a Carcinogen by NTP, IARC or OSHA.

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
No data available			

## 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  
**Mobility in soil:** No data available  
**Other adverse effects (such as hazardous to the ozone layer):** No data available

### Données sur l'écotoxicité

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

## 13. Disposal considerations

**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.

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## 15. Regulatory information

Statut TSCA: 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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