

MATERIAL SAFETY DATA SHEET

Date: 8-29-11
Quantum Fast Catalyst, B-25

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MSDS Number: 130091

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Quantum Fast Catalyst Blue (B-25)
Product Numbers: 100455
Product Use: Polymerization Initiator

Company

ITW Evercoat
a Division of Illinois Tool Works Inc.
6600 Cornell Road
Cincinnati, Ohio USA
Phone: 513-489-7600

Emergency Telephone Numbers:

CHEMTREC: 1-800-424-9300
CANUTEC: 1-613-996-6666

Prepared By: Safety Department

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	EINECS Number	% (by weight)
Reactive Diluent	Proprietary	Proprietary	30-35
Benzoyl Peroxide	94-36-0	202-327-6	20-25
Inert Filler	Proprietary	Proprietary	15 - 20
Water	7732-18-5	231-791-2	5 -10
Inert Filler	65997-17-3	266-046-0	5 -10

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

SECTION 3. HAZARDS IDENTIFICATION

*****EMERGENCY OVERVIEW*****

WARNING! IRRITANT, CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION.

Potential Health Effects

Acute Effects (Short Term):

Eye: Contact with liquid or vapor may result in irritation, redness, tearing, and blurred vision.

Skin: May cause irritation, redness and allergic skin reactions

Swallowing: Ingestion of this material may cause gastrointestinal irritation. May be harmful if swallowed. May cause human systematic effects by ingestion, nausea, diarrhea, and vomiting.

Inhalation: Not expected to be an inhalation hazard.

Chronic Effects of Overexposure (Long Term):

None

Other Health Effects: May cause dermatitis, asthmatic effects, testicular atrophy.

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Primary Route(s) of Entry: Skin contact, Eye contact, Ingestion,
Skin absorption, Inhalation.

SECTION 4. FIRST AID MEASURES

Eyes: Flush eyes gently with water for at least 15 minutes. Seek immediate medical attention.

Skin: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing: Consult a physician or poison control center immediately. DO NOT INDUCE VOMITING.

Inhalation: If symptoms develop, immediately move individual away from exposure and into fresh air. If breathing becomes labored or other symptoms develop, seek medical attention at once.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: N/A / (N/A)

Explosive Limit: Lower: N/A%

Upper: N/A%

Autoignition Temperature: N/A

OSHA Flammability Class: N/A

Hazardous Products of Combustion: May form: carbon dioxide, carbon monoxide, styrene oxide, phthalic anhydride and various hydrocarbons.

Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.

Extinguishing Media: Regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions: Fire Hazard increases when material becomes dry. Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus NIOSH approved with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

NFPA Rating: Health - 1, Flammability - 2, Reactivity - 2

SECTION 6. ACCIDENTAL RELEASE MEASURES

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In Case of Spill: Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Ventilate the area. Wear proper protective equipment (Section 8). Avoid breathing vapors. Collect with an inert absorbant and dispose of properly. Spilled material not immediately cleaned up may increase the fire hazard due to evaporation of water away from the benzoyl peroxide. Transfer material in to clean DOT approved container for proper disposal. Spilled material not cleaned up immediately should be wetted with water prior to transfer into disposal container.

SECTION 7. HANDLING AND STORAGE

Handling: All hazard precautions given in the data sheet must be observed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only with adequate ventilation. Do not breathe sanding dust, vapors or spray mist. Do not take internally. Close container after each use. **Keep out of reach of children.**

Storage: Store material in a cool, well-ventilated area. For maximum product quality, avoid prolonged storage at temperatures above 75°F (25°C). Do not use or store near heat, sparks, or open flame. Keep container tightly closed. Avoid contact with incompatible materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are recommended.

Skin Protection: 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: Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors.

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below acceptable limits. Explosion-proof ventilation system is acceptable.

Exposure Guidelines:

Hazardous Ingredients	CAS Number	OSHA PEL/TWA	ACGIH TLV
Inert Filler	65997-17-3	5 mg/m ³	10 mg/m ³
Benzoyl Peroxide	94-36-0	5 mg/m ³	5 mg/m ³

Mppcf- millions of particles per cubic foot of air

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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Boiling Point:	Decomposes	Vapor Density:	Heavier than air.
Specific Gravity / Density:	.83 @g/cc 7.00 lbs/gal	Percent Volatiles by weight:	0%
Evaporation Rate:	N/A	Physical State:	Paste
Melting Point:	N/A	pH:	N/A
Odor:	Slight Ester Odor.	Solubility:	Negligible
Vapor Pressure:	N/A	Appearance:	Blue Paste
Octanol/Water Partition Coeff:	Unknown		
VOC (as packaged-less exempts and water):	1.17 lbs/gal or 140 g/L	VOC (as applied*- 2% by wt hardener- less exempts and water):	0 lbs/gal or 0 g/L
Percent Solids by weight – as packaged:	83.0 %	Percent Solids by weight – as applied* - 2% by wt hardener:	N/A %
VHAP Content by weight – as packaged:	N/A %	VHAP Content by weight – as applied* - 2% by wt hardener:	N/A

***NOTE:** The applied VOC and VHAP Content is lower than the packaged VOC and VHAP Content due to a reactive diluent that reacts and becomes non-volatile (bonded in the solid material) when the hardener is added.

SECTION 10. STABILITY AND REACTIVITY

Hazardous Polymerization: Product will not undergo hazardous polymerization

Hazardous Decomposition: Decomposition products are potentially flammable. Dense white smoke of benzoic acid, benzene, carbon dioxide, terphenyls, biphenyls.

Chemical Stability: Stable under normal handling conditions, unless exposed to heat, flames.

Incompatibility: Dimethylaniline, cobalt napthenate and other promoters, acceslerators, reducing agents or any hot material.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data:

Ingredient	CAS #	LD₅₀ Oral-Rat	LC₅₀ Inhalation-Rat
Benzoyl Peroxide	94-36-0	7,710 mg/kg	N/E

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Carcinogenicity: See Cancer Information, Section 3.

Mutagenicity: No significant evidence found.

Teratogenicity: No significant risk of birth defects or reproductive toxicity found.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: No data is available on the preparation itself. The material should be prevented from entering rivers, streams, draining systems or any body of water exceeding concentrations of approved limits under applicable regulations and permits.

SECTION 13. DISPOSAL CONSIDERATION

RCRA Hazardous Waste: This material as supplied, if discarded, would be regulated as a hazardous waste under RCRA (40 CFR 261). Dispose of in accordance with applicable federal, state, and local regulations.

RCRA Hazard Class: This material would be regulated as EPA Hazardous Waste Number D001 based on the characteristic of ignitability.

SECTION 14. TRANSPORT INFORMATION

DOT Description: The DOT Classification for shipping is dependent on quantity, type of packaging (a kit may include other components), or method of shipment.

SECTION 15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (USA) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a)

Component	RQ (lbs.)
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None

SARA Title III: Section 302- Extremely Hazardous Substances

None

SARA Title III: Section 313- Toxic Chemical List

Component	CAS Number	Percentage
Benzoyl Peroxide	94-36-0	20-25%

EPA Hazardous Air Pollutants (HAPS) 40 CFR 63

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<u>Component</u>	<u>CAS Number</u>	<u>Percentage</u>
None		

International Regulations

EINECS (Europe) The intentional ingredients of this product are listed.

DSL (Canada) The intentional ingredients of this product are listed.

WHMIS Classification

Health Hazard: D2A, D2B (Other Toxic Effects)

Physical Hazard: B2 (Flammable)

State and Local Regulations

California Proposition 65:

This product contains the following chemical(s) known to the state of California to cause cancer. none

This product contains the following chemical(s) known to the state of California to cause birth defects or reproductive harm. none

SECTION 16. OTHER INFORMATION

HMIS Rating: Health – 1*, Flammability - 2, Reactivity - 1
Key- 0=Least, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme, *=Chronic Effects

Other Precautions for Use: If product is to be sanded, the OSHA PEL/TLV of 10 mg/m³ for nuisance dust should be observed.

Additional Information may be obtained by calling the Evercoat MSDS Hotline at 1-800-729-7600.

NOTICE: The information accumulated herein is believed to be correct as of the date issued from sources, which are believed to be accurate and reliable. Since it is not possible to anticipate all circumstances of use, recipients are advised to confirm, in advance of need, that the information is current, applicable and suitable to their circumstances.