



DERBIGUM®
MAKING BUILDINGS SMART

Material Safety Data Sheet

Product: *DERBIGUM Catalyst SD & BG*

MSDS Date: 6-30-10
Product Name: DERBIGUM Catalyst SD & BG
Manufacturer: DERBIGUM Americas, Inc.

I. Product and Company Description

DERBIGUM Americas, Inc.
4821 Chelsea Ave.
Kansas City, MO 64130

Emergency Phone Number:
(800) 424-9300 CHEMTREC

For Product Information:
(800) 541-5455

Product Description:
Catalyst/Sealing

II. Chemical Composition

Component	CAS#	%Composition
Dibenzoyl peroxide	94-36-0	25-50

III. Hazards Identification

A. Emergency Overview:

Physical Appearance and Odor:
White, odorless solid

B. Potential Health Effects:

Acute Eye:
May cause irritation.

Acute Skin:
May cause irritation and skin sensitization on contact.

Acute Inhalation:
May cause irritation to the respiratory tract.

Acute ingestion:
May cause gastrointestinal damage if swallowed.

Chronic effects:
ND



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IV. First Aid Measures

First Aid Measures for Accidental Exposure:

Eye Exposure:

Immediately flush eyes with plenty of water. Get medical attention, if irritation persists. Remove contact lenses after flushing.

Skin Exposure:

Wash affected area with soap and water. Get medical attention if irritation develops or persists.

Inhalation:

Remove to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

Ingestion:

Give large quantities of water. Never give anything by mouth to an unconscious person.

V. Fire Fighting Measures

Fire Hazard Data:

Flash Point: 180°C (356°F)

Method Used: N/A

Ignition Temperature: >380°C (>716°F) Product decomposes at >60°C (>140°F)

Flammability Limits (vol/vol%): Lower: ND Upper: ND

Extinguishing Media:

Water fog, foam, or CO₂

Special Fire Fighting Procedures:

Ensure that extinguishing agent does not enter waterways after fire.

Unusual Fire and Explosion Hazards:

None

Hazardous Decomposition Materials (Under Fire Conditions):

Combustion produces carbon monoxide, carbon dioxide, carbon and water. Other trace gases that may be released include ketones, carbon acids, hydrocarbons, alcohols and aldehydes.

VI. Accidental Release Measures

Cleanup and Disposal of Spill:

Wearing proper personal protective equipment (Section VIII), stop the leak, if possible. Keep unauthorized persons away from spill area. Shut off or remove all ignition sources. Construct a dike to prevent spill from entering sewers, soil or waterways.

Dispose of materials according to the applicable Federal, State, or local regulations.



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VII. Handling and Storage

Handling:

Use with adequate ventilation.

Storage:

Store in a well-ventilated, cool, dry place and away from direct sunlight. Keep containers closed. Avoid excessive heat and ignition sources. Keep material segregated from reducing agents, heavy-metal compounds, acids and alkalis.

VIII. Exposure Controls / Personal Protection

Exposure Guidelines:

Component	Exposure limits		
	ACGIH	NIOSH	OSHA-PELs
Dibenzoyl peroxide	5 mg/m ³ TWA	5 mg/m ³ TWA	5 mg/m ³ TWA

Engineering Controls:

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS.

Respiratory Protection:

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or EN approved respirator when necessary.

Eye / Face Protection:

Wear appropriate safety glasses with side shields or chemical goggles as described by OSHA's eye and face protection regulations in 29CFR 1910.133 or European Standard EN166.

Skin Protection:

Chemical resistant gloves recommended, such as neoprene or nitrile rubber. Body covering clothing should be utilized

IX. Physical and Chemical Properties

Physical Appearance:	White solid
Odor:	Product specific
pH:	ND
Specific Gravity:	ND
Water Solubility:	Insoluble
Melting Point Range:	ND
Boiling Point Range:	ND
Vapor Pressure:	1.0 hPa
Density:	1.230 g/cm ³

X. Stability and Reactivity

Chemical Stability:



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Stable under standard use and storage conditions.

Conditions to Avoid:

None

Materials / Chemicals to be Avoided:

None

Hazardous Decomposition Products:

Benzene, phenylbenzoate, benzoic acid

Hazardous Polymerization:

Should not occur

XI. Toxicological Information

Acute Oral Toxicity:

None

Acute Dermal Toxicity:

None

Acute Inhalation Toxicity:

None

Chronic Toxicity:

ND

XII. Ecological Information

Ecotoxicological Information:

Degradation: Not Determined

Accumulation: Not Determined

Fish-Toxicity: Not Determined

Chemical Fate Information:

Not Determined

XIII. Disposal Considerations

Waste Disposal Method:

Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

Container Handling and Disposal:

Dispose of container and unused contents in accordance with federal, state, and local regulations.



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XIV. Transportation Information

US Department of Transportation Shipping Name:

US Department of Transportation	Proper Shipping Name	Organic Peroxide Type D, Solid (Benzoyl Peroxide)
	Hazard Class	5.2
	ID Number	UN3106
	Packaging Group	II

XV. Regulatory Information

Federal Regulations:

SARA Title III Hazard Classes:

Fire Hazard: YES
 Reactive Hazard: YES
 Release of Pressure: NO
 Acute Health Hazard: YES
 Chronic Health Hazard: NO

SARA Section References:

Section 302 (RQ)
 None of the chemicals in this material have an RQ.
 Section 302 (TPQ)
 None of the chemicals in this product have a TPQ.
 Section 313
 This substance is listed under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) (also referred to as the Toxics Release Inventory (TRI)).
 Listed Name(s): Benzoyl peroxide.

Toxic Substances Control Act (TSCA): All components are included in the inventory or are not required to be listed.

Other Regulations:

State:

The components identified with an X are present on the respective state's Right To Know lists:

Component	MA	PA	MI	NJ
Benzoyl peroxide	X	X		X

California Prop. 65: None of the chemicals in this product are listed.

XVI. Other Information

National Fire Protection Association Hazard Ratings – NFPA(R):



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Health Hazard: 3

Flammability: 3

Reactivity: 0

Other: Oxidizer

Key Legend Information:

N/A – Not Applicable

ND – Not Determined

ACGIH – American Conference of

Governmental Industrial Hygienists

OSHA – Occupational Safety and Health

Administration

TLV – Threshold Limit Value

PEL – Permissible Exposure Limit

TWA – Time Weighted Average

STEL – Short Term Exposure Limit

NTP – National Toxicology Program

IARC – International Agency for Research on

Cancer

The information contained herein is based on the data available to us and is believed to be correct. However DERBIGUM Americas, Inc. makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.