

MATERIAL SAFETY DATA SHEET

Product Name: Benzoyl Peroxide

Catalog Number: 21246A, Component of Mercox Kits # 21245, 21246, 21247

DOT Hazard Class: 5.2 (Organic Peroxide)

DOT Proper Shipping Name: Organic Peroxide Type E solid (Benzoyl Peroxide)

UN/NA ID No.: UN 3108

MSDS Prepared: 9/2011

Distributed By: Ladd Research

83 Holly Court

Williston, VT 05495

(802) 658-4961

HAZARDOUS COMPONENTS

	<i>CAS Number</i>	<i>Percent</i>	<i>Exposure Limits</i>
Benzoyl Peroxide	94-36-0	40%	5 mg/m ³ (OSHA PEL)
Dibutyl Phthalate	84-74-2	40%	5 mg/m ³ (OSHA PEL)
Inert Fillers	None	20%	NA

PHYSICAL AND CHEMICAL DATA

Boiling Point: Not applicable. Product decomposes.

Specific Gravity: 0.906

Melting Point: This product decomposes explosively at 103-105°C.

Solubility: Insoluble in water

Appearance and Odor: White, smooth paste with a slight antiseptic odor.

FIRE AND EXPLOSION HAZARD DATA

Flash Point: 95°C

Extinguishing Media: Water fog, dry chemical, foam, carbon dioxide

Special Fire fighting Procedures: Be aware of explosion hazard. Wear self-contained breathing apparatus. Cool fire-exposed containers with water spray.

Unusual Fire and Explosion Hazards: Decomposition vapors are highly toxic and may ignite.

HEALTH HAZARD DATA

Primary Routes of Entry: Skin, inhalation

Inhalation: May be toxic and may cause asthmatic effects.

Skin: Reported to have low toxicity but may cause dermatitis.

Eye: Irritant, possibly severe with prolonged contact.

Ingestion: Moderately toxic.

EMERGENCY AND FIRST AID

Inhalation: Remove to fresh air. If not breathing, administer artificial respiration. Seek emergency medical attention.

Skin: Wash with soap and water for at least 15 minutes. Seek medical attention.

Eye: Rinse eyes with water for at least 15 minutes. Seek medical attention.

REACTIVITY DATA

Stability: Stable as paste under normal conditions.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Contamination, excessive heat, ignition sources, sunlight

Incompatibility: Oxidizing and reducing agents, combustibles, easily oxidizable materials, acids, alcohols, ethers, metallic naphthenates. Never mix directly with polymerization accelerators.

Hazardous Decomposition Products: Biphenyl, oxides of carbon

SPILL, DISPOSAL AND STORAGE INFORMATION

Spill: Shut off ignition sources. Wear protective clothing and respiratory equipment. Absorb spill on non-combustible absorbent, scoop up with non-sparking tools. Place in polyethylene container. Seal tightly and label for disposal.

Disposal: Consult local, state and federal regulations.

Storage: Store in cool, dark place away from heat, ignition sources and combustible materials.

PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Respiratory: NIOSH-approved respirator if TLV is exceeded.

Gloves: Neoprene

Eye: Chemical safety goggles

Ventilation: Fume hood recommended, especially during polymerization.

SECTION 313 SUPPLIER NOTIFICATION

This product is subject to the reporting requirements of SARA Title III.



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