



Material Safety Data Sheet

Product No. 18097 Benzoyl Peroxide Paste (Component of 18350, GMA Kit)

Issue Date (08-02-11)

Review Date (05-22-12)

Section 1: Product and Company Identification

Product Name: Benzoyl peroxide paste (Component of 18350, GMA Kit)

Synonym: None

Company Name

Ted Pella, Inc., P.O. Box 492477, Redding, CA 96049-2477

Domestic Phone (800) 237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

International Phone (01) (530) 243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

Chemtrec Emergency Number 1-800-424-9300 24 hrs a day.

Section 2: Composition / Information on Ingredients

Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA PEL mg/m3	ACGIH TLV mg/m3	NTP	IARC	OSHA regulated
Benzoyl Peroxide (94-36-0)	~60	ND	ND	No	No	No
Dibutyl phthalate (DBP) (84-74-2)	~10	5	5	No	No	No
Water (7732-18-5)	Balance	NE	NE	No	No	No

Section 3: Hazard Identification

Emergency overview

Appearance: Thick, white paste.

Immediate effects: Causes skin and eye irritations. Benzoyl Peroxide is an oxidizing material. It can violently decompose at high temperatures.

Potential health effects

Primary Routes of entry: Ingestion, skin and eye contact, inhalation (from generation of vapors or mist).

Signs and Symptoms of Overexposure: ND

Eyes: Contact may cause eye irritation and/or damage.

Skin: Prolonged skin contact may cause skin irritation and redness.

Ingestion: May cause toxic effects.

Inhalation: May cause irritation of the nose, throat, and lungs.

Chronic Exposure: ND

Chemical Listed As Carcinogen Or Potential Carcinogen: No

See Toxicological Information (Section 11)

Potential environmental effects

See Ecological Information (Section 12)

Section 4: First Aid Measures

If accidental overexposure is suspected

Eye(s) Contact: Immediately flush with water for at least 15 minutes. Contact lenses should be removed if the initial flush doesn't wash them out. Get medical attention.

Skin Contact: May cause irritation of the nose, throat, and lungs.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Give oxygen if needed. Get medical attention.

Ingestion: Never give anything by mouth to an unconscious person. Do not induce vomiting. Give plenty of water. Get medical attention. Get medical aid immediately.

Contact local poison control center. Rinse mouth.

Note to physician

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

Section 5: Fire Fighting Measures

Flash Point: ND

Flammable Limits: ND

Auto-ignition point: ND

Fire Extinguishing Media: Water fog or spray, CO₂, Dry Chemical, Foam.

Special Fire Fighting Procedures: Evacuate area and apply water from a safe distance.

Spray water on the nearby peroxide containers to prevent overheating.

Dot Emergency Guide No: 48

Unusual Fire and Explosion Hazards: Peroxides and decomposition products are flammable and can ignite with explosive force if confined.

Hazardous combustion products: On decomposition, Benzoyl peroxide paste can produce flammable & toxic vapors and PCBs (2,2',4,4' Tetrachlorobiphenyl).

DOT Class: 5.2, Oxidizer.

Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: Avoid skin contact. Flush with water. Sweep or scoop out and remove. Wet with water and remove with non-sparking tools.

Waste Disposal Methods: Dispose of waste according to Federal, State and Local Regulations.

Section 7: Handling and Storage

Precautions to be taken in Handling and Storage: Do not store near combustibles. Wash thoroughly after handling. Do not get in eyes, on skin or clothing. Do not breathe dust, vapor, mist, gas. Keep container closed. Empty container may contain hazardous residues. Keep away from heat (temperatures above 40°C (104°F)), Ignition sources,

sparks and open flames. Use explosion proof equipment. Keep away from all sources of heat and ignition such as radiators, steam pipes and direct sunlight.

Other: For more safety data, see NFPA Bulletin 43B "Storage of Organic Peroxide Formulations". Store in original containers. Select storage areas in accordance with local laws and regulations.

Storage temperature: Maximum 30°C (86°F)

Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Ventilation required: Sufficient to prevent accumulation of vapors or particulates.

Personal Protection Equipment

Respiratory protection: Use approved type for reducing contaminant concentration in inhaled air.

Protective gloves: Neoprene, nitrile rubber, polyvinyl alcohol gloves.

Skin protection: Chemical-resistant apron or coveralls may be needed.

Eye protection: Eye protection must be worn. Use Splash goggles or Face Shield.

Additional clothing and/or equipment: Safety shower and/or eye wash should be available.

Exposure Guidelines

See Composition/Information on Ingredients (Section2)

Section 9 Physical and Chemical Properties

Appearance and Physical State: Thick, white paste.

Odor (threshold): Slight odor.

Specific Gravity (H₂O=1): NA

Vapor Pressure (mm Hg): ND

Vapor Density (air=1): ND

Percent Volatile by volume: ND

Evaporation Rate (butyl acetate=1):

Boiling Point: ND

Freezing point / melting point: ND

pH: ND

Solubility in Water: ND

Molecular Weight: NA

Section 10: Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Ignition sources, temperatures above 40°C (104°F). Thermal decomposition contamination.

Materials to Avoid (Incompatibility): Strong acids, strong alkalis, strong oxidizers, reducing agents, sulfur, accelerators and metal salts.

Hazardous Decomposition Products: On decomposition, Benzoyl peroxide paste can produce flammable and toxic vapors & PCBs (2,2',4,4' Tetrachlorobiphenyl).

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Results of component toxicity test performed: Oral: LD₅₀ >12,918 mg/kg (rats - 50% peroxide in Dibutyl Phthalate). Not a toxic substance by oral route.

Acute: Dermal (Skin): LD₅₀ >8000 mg/kg (rabbits - 50% peroxide in Dibutyl Phthalate). Not a toxic substance by dermal route.

Eye: Draize Score: Unknown, "Not an eye irritant" (based on rabbit tests with 50% peroxide in Dibutyl Phthalate).

Inhalation: LC₅₀: ND

Human experience: ND

This product **does not** contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen.

Section 12: Ecological Information

Ecological Information: ND

Chemical Fate Information: ND

Section 13 Disposal Considerations

RCRA 40 CFR 261 Classification: Reactive. Dibutyl phthalate (84-74-2). Code: U069
Federal, State and local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.

Section 14: Transportation Information

US DOT Information: Proper shipping name: Organic peroxide type D, solid (contains: Dibenzoyl peroxide)

Hazard Class: 5.2

Packaging group: II

UN Number: UN3106

IATA: Proper shipping name: Organic peroxide type D, solid (contains: Dibenzoyl peroxide)

Hazard Class: 5.2

Packing group: II

UN Number: UN3106

IMO: Proper shipping name: Organic peroxide type D, solid (contains: Dibenzoyl peroxide)

Class: 5.2

UN Number: UN3106

Packing group: II

Marine Pollutant: Component: Dibutyl phthalate.

Canadian TDG: Organic peroxide type D, solid (contains: Dibenzoyl peroxide)

Section 15: Regulatory Information

United States Federal Regulations

MSDS complies with OSHA's Hazard Communication Rule 29, CFR 1910.1200.

SARA: 311 and 312: Benzoyl Peroxide (94-36-0); Fire Hazard, Yes. Acute Health Hazard: Yes. Chronic Health Hazard, Yes. Reactive Hazard, Yes. Sudden Release of Pressure Hazard, No.

SARA Title III: Section 313; Benzoyl Peroxide (94-36-0); Listed. Dibutyl phthalate (84-74-2); Listed

RCRA: Dibutyl phthalate (84-74-2). Code: U069

TSCA: All components are on the TSCA Inventory.

CERCLA: Dibutyl phthalate (84-74-2). RQ = 10 lbs.

State Regulations

California Proposition 65: WARNING! This product contains a chemical known to the state of California to cause birth defects or other reproductive harm. Chemical Name: Dibutyl phthalate (87-74-2).

International Regulations

Canada WHMIS: Classification, Benzoyl Peroxide (94-36-0): C, D2B, F. Dibutyl phthalate (84-74-2): D2A

Europe EINECS Numbers: ND

Section 16: Other Information

Label Information: Oxidizer

European Risk and Safety Phrases: ND

European symbols needed: ND

Canadian WHMIS Symbols: ND

Estimated Hazard Rating: Health: **1**; Fire: **2**; Reactivity: **2**
(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

Abbreviations used in this document

NE= Not established

NA= Not applicable

NIF= No Information Found

ND= No Data

Disclaimer

Ted Pella, Inc. makes no warranty of any kind regarding the information furnished herein. Users should independently determine the suitability and completeness of information from all sources. While this data is presented in good faith and believed to be accurate, it should be considered only as a supplement to other information gathered by the user. It is the User's responsibility to assure the proper use and disposal of these materials as well as the safety and health of all personnel who may work with or otherwise come in contact with these materials.