



Material Safety Data Sheet

Product No. 18045 JB-4® Plus Catalyst: Component of 18040 JB-4® Plus Embedding Kit

Issue Date (11-28-06)

Review Date (06-01-12)

Section 1: Product and Company Identification

Product Name: 18045 JB-4® Plus Catalyst: Component of 18040 JB-4® Plus Embedding 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)	50	5	5	No	No	No
Dicyclohexyl phthalate (84-61-7)	50	NE	NE	No	No	No

Section 3: Hazard Identification

Emergency overview

Appearance: White free-flowing granules.

Immediate effects: Irritation. Can violently decompose at high temperatures. Oxidizing material.

Potential health effects

Primary Routes of entry: Skin and eyes.

Signs and Symptoms of Overexposure: ND

Eyes: Causes eye irritation.

Skin: Causes skin irritation.

Ingestion: ND

Inhalation: ND

Chronic Exposure: ND

Chemical Listed As Carcinogen Or Potential Carcinogen: None.

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: Flush eyes with following water for at least 15 minutes.

Skin Contact: Brush off the skin.

Inhalation: ND

Ingestion: If swallowed, DO NOT INDUCE vomiting. Give 8 oz. of water or milk to drink. Call a physician or the Poison Control Center immediately. Never give anything by mouth to an unconscious person.

Note to physician

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

Section 5: Fire Fighting Measures

Flash Point: >200° F

Flammable Limits: ND

Auto-ignition point: ND

Fire Extinguishing Media: ND

Special Fire Fighting Procedures: ND

Unusual Fire and Explosion Hazards: ND

Hazardous combustion products: ND

DOT Class: NIF

Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: Any listed information is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel: Protect personnel from exposure, remove ignition sources and sweep up solids.

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: Keep away from heat, metals and reactive materials.

Storage temperature: Room temperature.

Storage Pressure: ND

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Ventilation required: Use process enclosures, local exhaust ventilation, or other engineering controls.

Personal Protection Equipment

Respiratory protection: ND

Protective gloves: Safety gloves.
Skin protection: ND
Eye protection: Safety glasses with side shield.
Additional clothing and/or equipment: ND

Exposure Guidelines

See Composition/Information on Ingredients (Section2)

Section 9 Physical and Chemical Properties

Appearance and Physical State: Mixture, Clear colorless viscous liquid
Odor (threshold): ND
Specific Gravity (H₂O=1): 1.18
Vapor Pressure (mm Hg): ND
Vapor Density (air=1): ND
Percent Volatile by volume: ND

Evaporation Rate (butyl acetate=1): ND
Boiling Point: ND
Freezing point / melting point: ND
pH: ND
Solubility in Water: ND
Molecular Weight: NA

Section 10: Stability and Reactivity

Stability: Stable.
Conditions to Avoid: Heat.
Materials to Avoid (Incompatibility): Reactive material; metals.
Hazardous Decomposition Products: ND
Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Results of component toxicity test performed: 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: Not listed
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 (Benzoyl peroxide)

Hazard Class: 5.2

Packaging group: None

UN Number: UN3106

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

Hazard Class: 5.2

Packing group: None

UN Number: UN3106

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

Class: 5.2

UN Number: UN3106

Packing group: None

Marine Pollutant: No

Canadian TDG: Proper shipping name: Organic peroxide type D, solid (Benzoyl peroxide)

Section 15: Regulatory Information

United States Federal Regulations

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

SARA: Yes

SARA Title III: Benzoyl peroxide (94-36-0) is listed under Section 313.

RCRA: No

TSCA: ND

CERCLA: None

State Regulations

California Proposition 65: None

International Regulations

Canada WHMIS: Materials in this product are listed on the CPR inventory list.

Europe EINECS Numbers: Benzoyl peroxide (94-36-0) EINECS#: 202-327-6.

Dicyclohexyl phthalate (84-61-7) EINECS#: 84-61-7.

Section 16: Other Information

Label Information: ND

European Risk and Safety Phrases: ND

European symbols needed: ND

Canadian WHMIS Symbols: ND

Hazard Rating: Health: **0**; Fire: **1**; Reactivity: **0**

(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.

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