

Safety Data Sheet

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

Issue Date (05-15-12)

Review Date (08-31-17)

Section 1: Product and Company Identification

Product Name: 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

Inside USA and Canada 1-800-237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

Outside USA and Canada 1-530-243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

CHEMTREC USA and Canada Emergency Contact Number 1-800-424-9300 24 hours a day

CHEMTREC Outside USA and Canada Emergency Contact Number +1-703-741-5970 24 hours a day

Section 2: Hazard Identification

GHS Pictograms:



Oxidizing



Explosive



Irritant



Environment Damaging

GHS Categories:

Oxidizing Solid Category 3

Explosives Division 1.3

Skin Irritant Cat 2, Eye Irritation Cat 2B

Hazard Overview:

Can violently decompose at high temperatures.

Causes skin and eye irritation.

Harmful to fish and other water organisms.

Oxidizing material.

Signal Word: DANGER

Hazard Statements and Precautionary Statements:

H240 Heating may cause an explosion.

H270 May cause or intensify fire; oxidizer.

H315 Causes skin irritation.

H412 Harmful to aquatic life with long lasting effects.

P285 In case of inadequate ventilation wear respiratory protection

Health Effects:

NFPA Hazard Rating: Health: 1; Fire: 2; Reactivity: 2

HMIS® Hazard Rating: Health: 1; Fire: 2; Reactivity: 2

(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

Results of PBT and vPvB assessment: A Chemical Safety Assessment has not been carried out.

PBT: ND

vPvB: ND

Emergency overview:

Appearance: White free-flowing granules

Immediate effects: Irritation.

Potential health effects

Primary Routes of entry: Skin and eye contact, inhalation.

Signs and Symptoms of Overexposure:

Eyes: Causes eye irritation.

Skin: Causes skin irritation

Ingestion: ND

Inhalation: ND

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 3: Composition / Information on Ingredients

Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA PEL mg/m3	ACGIH TLV mg/m3	NTP Carcinogen	IARC Carcinogen	OSHA regulated Carcinogen
Benzoyl peroxide (94-36-0) EINECS: 202-327-6	51-60	5	5	No	No	No
Dicyclohexyl phthalate (84-61-7) EINECS: 201-545-9	51-60	NE	NE	No	No	No

Section 4: First Aid Measures

If accidental overexposure is suspected

Eye(s) Contact: Flush eyes with flowing water for at least 15 minutes. Separate eyelids with finger tips. Contact medical personnel.

Skin Contact: Wash skin with copious amount of water for at least 15 minutes. Contact medical personnel.

Inhalation: Contact medical personnel.

Ingestion: Contact medical personnel.

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: Carbon dioxide, dry chemical powder, and alcohol resistant foam.

Special Fire Fighting Procedures: Firefighters must wear self-contained breathing

apparatus and fully protective equipment.
Unusual Fire and Explosion Hazards: ND
Hazardous combustion products: ND
DOT Class:

Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: Protect personnel from exposure. Remove ignition sources. 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:

Storage temperature: Store at 4 deg. C.

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:

Protective gloves: Chemical-resistant gloves should be worn whenever this material is handled. The glove material has to be impermeable and resistant to the product. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water. All glove recommendations presume that the risk of exposure is through splash and not intentional immersion of the hands into the product. Since glove permeation data does not exist for this material, no recommendation for the glove material can be given for the product. Permeation data must be obtained from the glove manufacturer to determine if the glove is suitable for the task.

Eye protection: Safety glasses with side shields.

Additional clothing and/or equipment: ND

Exposure Guidelines

See Composition/Information on Ingredients (Section 3)

Section 9 Physical and Chemical Properties

Appearance and Physical State: white free flowing granules

Odor (threshold): ND

Specific Gravity (H₂O=1): 0

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: negligible

Molecular Weight: ND

Section 10: Stability and Reactivity

Stability: Stable under normal conditions.

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: None

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, 50%)

Hazard Class: 5.2

Packaging group: II

UN Number: UN3106

IATA: Proper shipping name: Organic Peroxide Type D, Solid (Benzoyl peroxide, 50%)

Hazard Class: 5.2

Packing group: II

Marine Pollutant: No

Canadian TDG: Organic Peroxide Type D, Solid (Benzoyl peroxide, 50%)

Section 15: Regulatory Information

United States Federal Regulations

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

SARA Title III Section 313: Benzoyl peroxide (94-36-0) is listed, de minimis conc. % 1.0

RCRA: None

TSCA: All components are listed.

CERCLA: Substance is not listed.

State Regulations

California Proposition 65: Substance is not listed.

International Regulations

Canada WHMIS: ND

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: Oxidizing, Explosive, Irritant.

European Risk and Safety Phrases: R36/38 - Irritating to eyes and skin. R51 - Toxic to aquatic organisms. R8 - Contact with combustible material may cause fire.

S47 - Keep at temperature not exceeding 4 °C. S7/9 - Keep container tightly closed and in a well-ventilated place. S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

European symbols needed: ND

Canadian WHMIS Symbols: ND

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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