Section 1: Product and Company Identification
Product Name: 18181, 18182 Benzoyl Peroxide Powder (Component of 18181, 18182 Kit)
Synonym: 
Company Name Teddy 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)

Section 2: Hazard Identification
GHS Pictograms:

- Flammable
- Irritant
- Health hazard
- Environment Damaging

GHS Categories:
- GHS02: Flammable
- GHS07: Irritant
- GHS08: Health Hazard
- GHS09: Environment Damaging

Signal Word: DANGER

Hazard Statements:

- Organic peroxides, Type D: H242 Heating may cause a fire.
- Eye Irritant: Category 2: H317 May cause an allergic skin reaction.
- Skin Sensitization: Category 1: H319 Causes serious eye irritation.
- Reproductive toxicity: Category 2: H361f Suspected of damaging fertility.
- Acute aquatic toxicity: Category 1: H400 Very toxic to aquatic life with long lasting effects.
- Chronic aquatic toxicity: Category 3: H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements:

- P220 Keep/store away from clothing/strong acids, bases, heavy metal salts and other reducing substances/combustible materials.
- P233 Keep container tightly closed.
- P232 Keep cool.
- P261 Avoid breathing dust.
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:
PBT: This mixture contains no substance considered to be persistent, bio accumulating or toxic.
vPvB: ND

Emergency overview:
Appearance: White solid powder.
Immediate effects: ND

Potential health effects
Primary Routes of entry: Skin and eye contact, inhalation.
Signs and Symptoms of Overexposure: ND
Eyes: Serious Eye Irritant.
Skin: May cause allergic skin reaction.
Ingestion: ND
Inhalation: Long term systemic effects.
Chronic Exposure: Suspected of damaging fertility.
Chemical Listed As Carcinogen Or Potential Carcinogen: No
See Toxicological Information (Section11)

Potential environmental effects
See Ecological Information (Section 12)

Section 3: Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)</th>
<th>%</th>
<th>OSHA PEL mg/m3</th>
<th>ACGIH TLV mg/m3</th>
<th>NTP Carcinogen</th>
<th>IARC Carcinogen</th>
<th>OSHA regulated Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>dibenzoyl peroxide (94-36-0) EC-No. 202-327-6 Classification (67/548/EEC): E; R3 O; R7 Xi; R36/43 N; R50/53 Classification (1272/2008/EC) Org. Perox. B; H421 Eye Irrit 2; H319 Skin Sens 1; H317 Aquatic Acute 1; H400</td>
<td>50 - &lt;55</td>
<td>NE</td>
<td>NE</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
**Section 4: First Aid Measures**

If accidental overexposure is suspected

Eye(s) Contact:
Skin Contact: Remove all contaminated clothing immediately. Wash off immediately with soap and plenty of water.
Inhalation: Remove to fresh air. Call a physician immediately.
Ingestion: Clean mouth with water and drink plenty of water afterwards. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Seek medical advice immediately.

**Note to physician**

Treatment: ND
Medical Conditions generally Aggravated by Exposure: ND

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**Section 5: Fire Fighting Measures**

Flash Point: NA
Flammable Limits: ND
Auto-ignition point: NA, Decomposes on heating.
Fire Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Unsuitable extinguishing media: High volume water jet.
Special Fire Fighting Procedures: Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Unusual Fire and Explosion Hazards: ND
Hazardous combustion products: ND
DOT Class: 5.2, Oxidizer.

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**Section 6: Accidental Release Measures**

Steps to be Taken in Case Material is Released or Spilled:
Personal precautions, protective equipment and emergency procedures: Wear personal protective equipment.
Environmental precautions: Avoid subsoil penetration. Do not allow material to contaminate ground water system. Do not contaminate water. If the product contaminates rivers and lakes or drains, inform respective authorities. Do not let product enter drains.
Methods and materials for containment and cleaning up: Remove mechanically and with care (e.g. with clean polyethylene plastic shovel). Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Waste Disposal Methods: Dispose of waste according to Federal, State and Local Regulations.

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**Section 7: Handling and Storage**

Precautions to be taken in Handling and Storage:
Requirements for storage areas and containers: Electrical installations/working materials must comply with the technological safety standards. Containers which are opened must be carefully resealed and kept upright to
prevent leakage. Keep container tightly closed. No smoking. Avoid impurities (e.g. rust, dust, ash) Store apart from other dangerous and incompatible substances. 
Storage temperature: < 30°C
Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection

Engineering Controls
Ventilation required: Ensure adequate ventilation.

Personal Protection Equipment
Respiratory protection: Short duration filter unit: Filter A
Protective gloves: Material: butyl-rubber; Glove thickness: 0.5 mm; Breakthrough time: ≥ 8 hours.
Skin protection: Protective suit; remove and wash contaminated clothing before re-use.
Eye protection: Tightly fitting safety goggles; Wear face protection.
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 solid powder
Odor: aromatic
Odor (threshold): ND
Specific Gravity (H:O=1): ND
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: Insoluble
Molecular Weight: ND
Decomposition temperature: ca. 60°C, SADT (UN test H.4), SADT possible at temperatures above ~ 60°C.

Section 10: Stability and Reactivity
Stability: Stable under recommended storage conditions. Contact with incompatible substances can cause disintegration at or below SADT.
Conditions to Avoid: Keep away from heat and sources of ignition.
Materials to Avoid (Incompatibility): Accelerators, strong acids and bases, heavy metals and heavy metal salts, reducing agents, avoid impurities (e.g. rust, dust, ash).
Hazardous Decomposition Products: Irritant, caustic, flammable, noxious/toxic gases and vapors can develop in the case of fire and decomposition.
Hazardous Polymerization: ND

Section 11: Toxicological Information
Results of component toxicity test performed:
Acute oral toxicity: dibenzoyl peroxide: LD50 (rat, male): > 5.000 mg/kg, dicyclohexyl phthalate: LD50 (rat, female): > 2.000 mg/kg
Acute inhalation toxicity: dibenzoyl peroxide: LD50 (rat, male): 24.3 mg/ Exposure time: 4 h Method: OECD Test Guideline 403
Acute dermal toxicity: dicyclohexyl phthalate: LD50 (rat, male and female): > 2.000 mg/kg, Method: OECD Test Guideline 402
Serious eye damage/irritation: dibenzoyl peroxide: rabbit: Irritation to eyes, reversing within 21 days, Method: OECD Test Guideline 405, dicyclohexyl phthalate, rabbit: No eye irritation, Method: OECD Test Guideline 437
Sensitization: May cause sensitization by skin contact.
Reproductivity toxicity: dicyclohexyl phthalate, some evidence of adverse effects on sexual function and fertility and/or on development. Suspected of damaging fertility.
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: Very toxic to aquatic life.
Mobility in soil: dibenzoyl peroxide, Medium: Soil, log Koc: 3.8
Chemical Fate Information: ND

Section 13 Disposal Considerations
RCRA 40 CFR 261 Classification: Waste code should be assigned by the use based on the application for which the product was used.
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 (Dibenzoyl peroxide)
Hazard Class: 5.2
Packaging group: II
UN Number: UN3106
IATA: Proper shipping name: Organic peroxide type D, solid (Dibenzoyl peroxide) Hazard Class: 5.2
Packaging group: II
UN Number: UN3106
EMS: F-J, S-R
Marine Pollutant: No
Canadian TDG: Organic peroxide type D, solid (Dibenzoyl peroxide)

Section 15: Regulatory Information
United States Federal Regulations
SARA: Substance is not listed.
SARA Title III: Substance is not listed
RCRA: ND
TSCA: All components of this product are on the TSCA public inventory.
CERCLA: ND

State Regulations
California Proposition 65: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

International Regulations
Canada WHMIS: ND
Europe EINECS Numbers: ND
Section 16: Other Information
Label Information: Irritant, Damaging to Environment
European Risk and Safety Phrases:
R7: May Cause fire. R62: Possible risk of impaired fertility. R43: May cause sensitization by skin contact. R36: Irritating to eyes. R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
European symbols needed: Xi, N
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.

SDS Form 0013FIV4