Section 1: Product and Company Identification

Product Name: Benzoin methyl ether
Synonym: Benzoin methyl ether; 2-Methoxy-2-phenylacetophenone, Acetophenone

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:

GHS Categories:
Harmful if inhaled or swallowed.
Acute Inhalation Cat 4, Acute Oral Toxicity Cat 4

Signal Word: Warning

Hazard and Precautionary Statements:

H302 Harmful if swallowed.
P280A Wear protective gloves
P285 In case of inadequate ventilation wear respiratory protection.
P301D IF SWALLOWED: induce vomiting as directed by medical personnel.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305B IF IN EYES: Separate eyelids with finger tips.
P313 Get medical advice/attention.
P335 Brush off loose particles from skin.
P351 Rinse cautiously with water for several minutes.

Health Effects:
NFPA Hazard Rating: Health: 2; Fire: 1; Reactivity: 0
HMIS® Hazard Rating: Health: 2; Fire: 1; Reactivity: 0
(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 to yellow crystalline powder.
Immediate effects: Irritation of skin, eyes, and respiratory system.

**Potential health effects**
Primary Routes of entry: Inhalation, ingestion and skin contact.
Signs and Symptoms of Overexposure: ND
Eyes: May cause eye irritation.
Skin: May cause skin irritation.
Ingestion: Harmful if swallowed.
Inhalation: Harmful if inhaled. May cause respiratory irritation.

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

<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>Acetophenone, 2-methoxy-2-phenyl (3524-62-7) EINECS No. 222-538-7</td>
<td>95-100</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**
Contact medical personnel.
Eye(s) Contact: Flush eyes with flowing water for at least 15 minutes.
Skin Contact: Brush off the skin. Wash skin with deluge of water for at least 15 minutes.
Inhalation: Contact medical personnel.
Ingestion: If swallowed, induce vomiting as directed by medical personnel.

**Note to physician**
Treatment: ND
Medical Conditions generally Aggravated by Exposure: ND

### Section 5: Fire Fighting Measures

Flash Point: 230°F (110 °C) Method: Closed cup.
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: None
DOT Class: Not regulated
Section 6: Accidental Release Measures
Steps to be Taken in Case Material is Released or Spilled:
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: Any information listed below 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. No special measures are indicated.
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: Approved dust mask.
Protective gloves: Use latex or equivalent 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 crystalline powder
Odor (threshold): Characteristic
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): NA
Boiling Point: ND
Freezing point / melting point: 122°F
pH: ND
Solubility in Water: Insoluble
Molecular Weight: 226.3

Section 10: Stability and Reactivity
Stability: Stable under normal conditions.
Conditions to Avoid: Heat
Materials to Avoid (Incompatibility): Oxidizers
Hazardous Decomposition Products: None
Hazardous Polymerization: Will not occur
Section 11: Toxicological Information
Results of component toxicity test performed:

**Acute Data:** LD50 oral rat 7560 mg/kg

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: Not regulated
IATA: Proper shipping name: Not regulated
Marine Pollutant: No
Canadian TDG: Not regulated

Section 15: Regulatory Information

United States Federal Regulations
SARA: No substance is listed.
SARA Title III: No substance is listed.
RCRA: Not listed.
TSCA: All components are listed.
CERCLA: No substance is listed.

State Regulations
California Proposition 65: Substance is not listed.

International Regulations
Canada WHMIS: ND
Europe EINECS Numbers: 222-538-7

Section 16: Other Information

Label Information: Irritant
European Risk and Safety Phrases: Harmful, R22; Harmful if swallowed, S36; Wear suitable protective clothing.
European symbols needed: Xn
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 0013F1V4