



## Material Safety Data Sheet

**Product No. 18186 Benzoin methyl ether**

**Issue Date (04-24-03)**

**Review Date (06-01-12)**

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### 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**

**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.**

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### Section 2: Composition / Information on Ingredients

| <b>Principle Hazardous Component(s)<br/>(chemical and common name(s))<br/>(Cas. No)</b> | <b>%</b> | <b>OSHA<br/>PEL<br/>mg/m3</b> | <b>ACGIH<br/>TLV<br/>mg/m3</b> | <b>NTP</b> | <b>IARC</b> | <b>OSHA<br/>regulated</b> |
|-----------------------------------------------------------------------------------------|----------|-------------------------------|--------------------------------|------------|-------------|---------------------------|
| Benzoin methyl ether<br>(3524-62-7)                                                     | 100      | NE                            | NE                             | ND         | ND          | ND                        |

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### Section 3: Hazard Identification

#### Emergency overview

Appearance: White to light yellow crystalline powder.

Immediate effects: May cause irritation of skin, eyes and respiratory system

#### Potential health effects

Primary Routes of entry: Inhalation, ingestion and skin contact.

RTECS# AM9350000

Signs and Symptoms of Overexposure: May cause irritation of skin, eyes and respiratory system.

Eyes: Irritation.

Skin: Irritation.

Ingestion: (USA)Toxic. (EU) Harmful.

Inhalation: Irritation.

Chronic Exposure: Toxic and an irritant.

Chemical Listed As Carcinogen Or Potential Carcinogen: ND

See Toxicological Information (Section 11)

#### Potential environmental effects

See Ecological Information (Section 12)

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#### **Section 4: First Aid Measures**

##### **If accidental overexposure is suspected**

Eye(s) Contact: Separate eyelids with finger tips and flush eyes with water for at least 15 minutes.

Skin Contact: Wash affected area with copious amounts of water for at least 15 minutes.

Inhalation: Remove to fresh air. Give oxygen or artificial respiration, as needed.

Ingestion: If swallowed, seek immediate medical advice. Induce vomiting as directed by medical personnel. Drink 1 or 2 glasses of water.

##### **Note to physician**

Treatment: ND

Medical Conditions generally Aggravated by Exposure: NE

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#### **Section 5: Fire Fighting Measures**

Flash Point: 230°F (110 °C) Method: Closed cup.

Flammable Limits: LEL: ND, UEL: 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: NE

Hazardous combustion products: Carbon monoxide, CO<sub>2</sub>

DOT Class: None

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#### **Section 6: Accidental Release Measures**

Steps to be Taken in Case Material is Released or Spilled: Wear self-contained breathing apparatus, rubber boots and gloves. Sweep up. Do not raise dust. Wash and ventilate spill site after pickup is complete.

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: Store material at 25 C°. Keep storage container tightly closed. Avoid prolonged or frequent exposure. Wash thoroughly after handling. Ensure adequate ventilation.

Storage temperature: Room temperature.

Storage Pressure: ND

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#### **Section 8: Exposure Controls / Personal Protection**

##### **Engineering Controls**

Ventilation required: Fume hood.

##### **Personal Protection Equipment**

Respiratory protection: Approved dust mask.

Protective gloves: Plastic or rubber.

Skin protection: Avoid contact, wear protective gloves.

Eye protection: Safety goggles with side shields.

Additional clothing and/or equipment: Safety shower and eye bath.

### **Exposure Guidelines**

See Composition/Information on Ingredients (Section2)

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### **Section 9 Physical and Chemical Properties**

Appearance and Physical State: White to light yellow crystals.

Odor (threshold): Characteristic odor.

Specific Gravity (H<sub>2</sub>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: 47.5-50°C

pH: ND

Solubility in Water: Insoluble.

Molecular Weight: 226.28

Molecular Formula: C<sub>15</sub>H<sub>14</sub>O<sub>2</sub>

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### **Section 10: Stability and Reactivity**

Stability: Stable.

Conditions to Avoid: Heat.

Materials to Avoid (Incompatibility): Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur.

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### **Section 11: Toxicological Information**

Results of component toxicity test performed: LD50 (oral-mouse) = 300 mg/kg.

Human experience: ND

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

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### **Section 12: Ecological Information**

Ecological Information: ND

Chemical Fate Information: ND

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### **Section 13 Disposal Considerations**

RCRA 40 CFR 261 Classification: NIF

Federal, State and local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.

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### **Section 14: Transportation Information**

US DOT Information: Proper shipping name: None. Non-hazardous for transport.

IATA: Proper shipping name: None. Non-hazardous for Air transport.

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## **Section 15: Regulatory Information**

### **United States Federal Regulations**

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

SARA: Listed: No

SARA Title III: NIF

RCRA: NIF

TSCA: Material listed EPA, TSCA inventory.

CERCLA: NIF

### **State Regulations**

California Proposition 65: None

### **International Regulations**

Canada WHMIS: NIF

Europe EINECS Numbers: 222-538-7

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## **Section 16: Other Information**

Label Information:

European Risk and Safety Phrases: Harmful, R22; Harmful if swallowed, S36; Wear suitable protective clothing.

European symbols needed: ND

Canadian WHMIS Symbols: ND

Hazard Rating: Health: **2**; 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

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## **Disclaimer**

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