

Safety Data Sheet

Product No. 18186 Benzoin methyl ether

Issue Date (11-15-13)

Review Date (08-31-17)

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:



Irritant

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

Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA PEL mg/m ³	ACGIH TLV mg/m ³	NTP Carcinogen	IARC Carcinogen	OSHA regulated Carcinogen
Acetophenone, 2-methoxy-2-phenyl (3524-62-7) EINECS No. 222-538-7	95-100	NE	NE	No	No	No

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

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

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.

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