Section 1: Product and Company Identification
Product Name: Silicone Mold Release
Synonym: Dimethylpolysiloxane
Chemical Family: Silicone
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.

Section 2: 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</th>
<th>IARC</th>
<th>OSHA regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimethylpolysiloxane (63148-62-9)</td>
<td>2-8</td>
<td>NE</td>
<td>NE</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Dimethyl Ether (115-10-6)</td>
<td>40-50</td>
<td>1000 ppm</td>
<td>1000 ppm</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>1,1,1,2-Tetrafluorethane (811-97-2)</td>
<td>40-50</td>
<td>1000 ppm</td>
<td>1000 ppm</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

*** Contains no ozone depleting chemicals.

Section 3: Hazard Identification
Emergency overview
Appearance: Oily, clear, liquid.
Immediate effects: Irritation.
Potential health effects
Primary Routes of entry: Skin and inhalation.
Signs and Symptoms of Overexposure: ND
Eyes: Temporary irritation.
Skin: Concentrated spray may cause freezing of skin area.
Ingestion: May be an irritant.
Inhalation: Excessive inhalation can produce dizziness, nausea, and headache.
Chronic Exposure: ND
Chemical Listed As Carcinogen Or Potential Carcinogen: No component in this produced has been listed as a carcinogen by IARC, NTP, OSHA or ACGIH. 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:** Flush eyes with plenty of water. Contact physician.
- **Skin Contact:** Wash with soap and water.
- **Inhalation:** Remove to fresh air location.
- **Ingestion:** Consult a poison control center or physician.

**Note to physician**

- **Treatment:** ND
- **Medical Conditions generally Aggravated by Exposure:** ND

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### Section 5: Fire Fighting Measures

- **Flash Point:** ND
- **Flammable Limits:** ND
- **Auto-ignition point:** ND
- **Fire Extinguishing Media:** Dry chemical, carbon dioxide, appropriate foam.
- **Special Fire Fighting Procedures:** Wear a self-contained breathing apparatus.
- **Unusual Fire and Explosion Hazards:** Aerosols may rapture violently at temperatures above 120 °F.
- **Hazardous combustion products:** Toxic fumes.
- **DOT Class:** ORM-D

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### Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: Remove leaking container to outside disposal site. Empty fully, including gas pressure. Do not puncture or incinerate. Can may be recycled or alternatively removed to sanitary landfill in most localities.

**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 indoors away from direct sunlight. Do not drop, puncture or incinerate. Do not spray into flames or on floors. Do not smoke while using product.

- **Storage temperature:** Below 120 °F
- **Storage Pressure:** Atmospheric

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### Section 8: Exposure Controls / Personal Protection

**Engineering Controls**

Ventilation required: Adequate ventilation needed. Local mechanical exhaust required.

**Personal Protection Equipment**

Respiratory protection: Not need with adequate ventilation.
Protective gloves: Recommended, but not required.
Skin protection: Wear protective clothing.
Eye protection: Protective goggles.
Additional clothing and/or equipment: ND

**Exposure Guidelines**
See Composition/Information on Ingredients (Section 2)

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**Section 9 Physical and Chemical Properties**

Appearance and Physical State: Colorless, Clear, oily liquid
Odor (threshold): Ethereal odor
Specific Gravity (H_2O=1): 1.0
Vapor Pressure (mm Hg): ND
Vapor Density (air=1): >1
Percent Volatile by volume: 95

Evaporation Rate (butyl acetate=1): ND
Boiling Point: ND
Freezing point / melting point: <50 °F
pH: ND
Solubility in Water: Partially soluble.
Molecular Weight: ND

**Section 10: Stability and Reactivity**

Stability: Stable
Conditions to Avoid: Open flames and high temperatures.
Materials to Avoid (Incompatibility): Powdered or alkaline earth metals.
Hazardous Decomposition Products: HF and other Fluorine compounds.
Hazardous Polymerization: Will not occur.

**Section 11: Toxicological Information**

Results of component toxicity test performed: NIF
Human experience: NIF
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: ND
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: Consumer commodity
Section 15: Regulatory Information

United States Federal Regulations
SARA: ND
SARA Title III: ND
RCRA: ND
TSCA: All components of this product are listed on the TSCA directory.
CERCLA: ND

State Regulations
California Proposition 65: None.

International Regulations
Canada WHMIS: This product contains compounds listed on WHMIS directory. 1,1,1,2-Tetrafluoroethane (CAS 811-97-2).
Europe EINECS Numbers: 1,1,1,2-Tetrafluoroethane (CAS 811-97-2) EINECS# 212-377-0. Dimethyl Either (CAS 115-10-6) EINECS# 204-065-8

Section 16: Other Information
Label Information: ND
European Risk and Safety Phrases: ND
European symbols needed: ND
Canadian WHMIS Symbols: ND
Hazard Rating: Health: 1; 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

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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