



Material Safety Data Sheet

Product No. 813-206 Silicone Mold Release

Issue Date (09-01-03)

Review Date (04-12-12)

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

Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA PEL mg/m3	ACGIH TLV mg/m3	NTP	IARC	OSHA regulated
Dimethylpolysiloxane (63148-62-9)	2-8	NE	NE	No	No	No
Dimethyl Ether (115-10-6)	40-50	1000 ppm	1000 ppm	No	No	No
1,1,1,2-Tetrafluorethane (811-97-2)	40-50	1000 ppm	1000 ppm	No	No	No

*** 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)

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

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 rupture violently at temperatures above 120 °F.

Hazardous combustion products: Toxic fumes.

DOT Class: ORM-D

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.

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

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 (Section2)

Section 9 Physical and Chemical Properties

Appearance and Physical State: Colorless, Clear, oily liquid

Odor (threshold): Ethereal odor

Specific Gravity (H₂O=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

Hazard Class: ORM-D
Packaging group: ND
UN Number: ND
Limitations: ND
IATA: Proper shipping name: Consumer commodity
Hazard Class: 9
Packing group: NA
UN Number: UN8000
Limitations: ND
Domestic shipments only:
Marine Pollutant: None.
Canadian TDG: ND
IMDG Page: ND
Limitations: ND

Section 15: Regulatory Information

United States Federal Regulations

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

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 Ether (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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