



## Material Safety Data Sheet

Product No. 891-7 Dow Corning Vacuum Grease

Issue Date (11-11-04)

Review Date (04-12-12)

### Section 1: Product and Company Identification

Product Name: Dow Corning Vacuum Grease

Synonym: None

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/m <sup>3</sup>	ACGIH TLV mg/m <sup>3</sup>	NTP	IARC	OSHA regulated
Polydimethylsiloxane (63148-62-9)	>60	NE	NE	No	No	No
Silica, amorphous (7631-86-9)	7.0 – 13.0	NE	NE	No	3	No
Dimethyl siloxane, hydroxy-terminated (70131-67-8)	7.0 – 13.0	NE	NE	No	No	No

\*There are no components with workplace exposure limits. This is not a hazardous material as defined in the OSHA Hazard Communication Standard.

### Section 3: Hazard Identification

#### Emergency overview

Appearance: Translucent white grease

Immediate effects: May cause eye discomfort. This is not a hazardous material as defined in the OSHA Hazard Communication Standard.

#### Potential health effects

Primary Routes of entry: Ingestion and eyes.

Signs and Symptoms of Overexposure:

Eyes: Direct contact may cause temporary redness and discomfort.

Skin: No significant irritation expected from a single short-term exposure.

Ingestion: Low ingestion hazard in normal use.

Inhalation: No significant effects expected from a single short-term exposure.

Chronic Exposure: No known applicable information.  
Chemical Listed As Carcinogen Or Potential Carcinogen: None  
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: Immediately flush with water.

Skin Contact: No first aid should be needed.

Inhalation: No first aid should be needed.

Ingestion: No first aid should be needed.

**Note to physician**

Treatment: Treat symptomatically.

Medical Conditions generally Aggravated by Exposure: ND

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**Section 5: Fire Fighting Measures**

Flash Point: 212 °F (100 °C) (Closed Cup)

Flammable Limits: NE

Auto-ignition point: NE

Fire Extinguishing Media: On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO<sub>2</sub>), dry chemical or water spray. Water can be used to cool fire exposed containers.

Special Fire Fighting Procedures: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

Unusual Fire and Explosion Hazards: None

Hazardous combustion products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

DOT Class: Not regulated

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**Section 6: Accidental Release Measures**

Steps to be Taken in Case Material is Released or Spilled: Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations (Section 8). For large spills, provide dikes or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.

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: Use with adequate ventilation. Avoid eye contact. Store away from oxidizing materials.

Storage temperature: Room temperature

Storage Pressure: NA

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

#### **Engineering Controls**

Ventilation required: Local Ventilation: None should be needed. General Ventilation: Recommended.

#### **Personal Protection Equipment**

Respiratory protection: No respiratory protection should be needed.

Protective gloves: No special protection needed.

Skin protection: Washing at mealtime and end of shift is adequate.

Eye protection: Safety glasses are a minimum.

Additional clothing and/or equipment: ND

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

#### **Exposure Guidelines**

See Composition/Information on Ingredients (Section2)

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

Appearance and Physical State: Translucent white grease.

Odor (threshold): Odorless

Specific Gravity (H<sub>2</sub>O=1): 1.1 @ 25 °C

Viscosity: 2000000 cSt

Vapor Pressure (mm Hg): NE

Vapor Density (air=1): NE

Percent Volatile by volume: NE

Evaporation Rate (butyl acetate=1): NE

Boiling Point: NE

Freezing point / melting point: NE

pH: NE

Solubility in Water: NE

Molecular Weight: NA

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

Stability: Stable

Conditions to Avoid: None

Materials to Avoid (Incompatibility): Oxidizing material can cause a reaction.

Hazardous Decomposition Products: ND

Hazardous Polymerization: Will not occur.

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

Results of component toxicity test performed: No known applicable information.

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: Complete information is not yet available.

Chemical Fate Information: Complete information is not yet available.

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### **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.

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

US DOT Information: Proper shipping name: Not regulated

IATA: Proper shipping name: Not regulated

IMO: Proper shipping name: Not regulated

Marine Pollutant: No

Canadian TDG: Proper shipping name: Not regulated

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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: None

SARA Title III: None

RCRA: ND

TSCA: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

CERCLA: ND

#### **State Regulations**

California Proposition 65: None known

#### **International Regulations**

Canada WHMIS: Compounds in this product are listed in the CPR inventory.

Europe EINECS Numbers: Silica, amorphous (7631-86-9) EINECS# 231-545-4

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### **Section 16: Other Information**

Label Information: ND

European Risk and Safety Phrases: ND

European symbols needed: ND

Canadian WHMIS Symbols: ND

NFPA Hazard Rating: Health: **0**; 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**

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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