



### Material Safety Data Sheet

**Product No. 815-50, -52, -54, -56, -58, -60, -62, -64, -66, -68, -70, -72, -74, 815-76**  
**Silicon Carbide Powder, 120, 240, 320, 400, 600, 800, 1000 Grit**

**Issue Date (01-01-07)**

**Review Date (04-12-12)**

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#### Section 1: Product and Company Identification

**Product Name: Silicon Carbide Powder**

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.**

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#### Section 2: Composition / Information on Ingredients

<b>Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)</b>	<b>%</b>	<b>OSHA PEL mg/m3</b>	<b>ACGIH TLV mg/m3</b>	<b>NTP</b>	<b>IARC</b>	<b>OSHA regulated</b>
Silicon Carbide (409-21-2)	~100	15	10	No	No	No

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#### Section 3: Hazard Identification

##### Emergency overview

Appearance: Crystalline green to black powder

Immediate effects: May cause slight irritation to skin, eyes and respiratory tract.

##### Potential health effects

Primary Routes of entry:

Signs and Symptoms of Overexposure: ND

Eyes: May cause temporary eye irritations. High concentrations may cause conjunctivitis, not corrosive.

Skin: Not expected to be a skin irritant. Prolong contact may cause redness and irritation.

Ingestion: No harmful effects expected in amounts likely to be ingested by accident.

Inhalation Spray mist or dry dust may cause congestion, coughing, granuloma in lungs

Chronic Exposure: ND

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: In case of contact with eyes, rinse immediately with plenty of water for 15 minutes. If irritation persists, seek medical attention

Skin Contact: Wash affected area with a waterless hand cleaner and/or soap and water. If irritation persists consult a physician.

Inhalation: If inhaled, immediately remove affected person to fresh air. If discomfort persists, seek medical attention.

Ingestion: If material is swallowed, rinse out mouth and dilute with large amounts of water. Do not induce vomiting. Consult a physician immediately.

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

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

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

Flash Point: None

Flammable Limits: None

Auto-ignition point: None

Fire Extinguishing Media: None

Special Fire Fighting Procedures: None, however firefighters should wear full-face self-contained breathing apparatus and impervious protective clothing and avoid inhaling any combustion products.

Unusual Fire and Explosion Hazards: None

Hazardous combustion products: None

DOT Class: None

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

Steps to be Taken in Case Material is Released or Spilled: Sweep, scoop or vacuum and remove

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: Avoid direct sunlight during prolonged storage.

Storage temperature: NA

Storage Pressure: NA

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

##### **Engineering Controls**

Ventilation required: Ventilation should effectively remove and prevent build up of any vapor or mist generated from the handling of this product.

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

Respiratory protection: Appropriate NIOSH/MSHA respiratory protection must be provided

Protective gloves: Use impervious gloves  
Skin protection: Use imperious apron and boots  
Eye protection: Wear safety glasses, chemical goggles, or a full face shield.  
Additional clothing and/or equipment: ND

### **Exposure Guidelines**

See Composition/Information on Ingredients (Section2)

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

Appearance and Physical State: Crystalline green to black powder.

Odor (threshold): Odorless

Specific Gravity (H<sub>2</sub>O=1): 3.2

Vapor Pressure (mm Hg): NA

Vapor Density (air=1): NA

Percent Volatile by volume: NA

Evaporation Rate (butyl acetate=1): NA

Boiling Point: NA

Freezing point / melting point: 2730° C

pH: 50g/400 ml @ 20° C 8-10 SU

Solubility in Water: Insoluble

Molecular Weight: 40.097

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

Stability: Stable

Conditions to Avoid: None

Materials to Avoid (Incompatibility): None

Hazardous Decomposition Products: None

Hazardous Polymerization: None

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

Results of component toxicity test performed: None

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: Not expected to be hazardous to environment.

Chemical Fate Information: ND

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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: 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: No

RCRA: No

TSCA: No

CERCLA: No

### **State Regulations**

California Proposition 65: None

### **International Regulations**

Canada WHMIS: ND

Europe EINECS Numbers: ND

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## **Section 16: Other Information**

Label Information:

European Risk and Safety Phrases:

European symbols needed:

Canadian WHMIS Symbols:

NFPA Hazard Rating: Health: **1**; Fire: **0**; 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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