



Material Safety Data Sheet

Product No. 895-4, 895-5, 895-6, 895-7, 895-8, 895-9, 895-10, 895-20, 895-21, 895-22, 895-23 Diamond Compound, 1/10, 1/4, 1/2, 1, 3, 6, 15, Set, 9, 30, 45 µm

Issue Date (01-04-06)

Review Date (04-12-12)

Section 1: Product and Company Identification

Product Name: Diamond Compound, 1/10, 1/4, 1/2, 1, 3, 6, 15, Set, 9, 30, 45 µm

Synonym: Grinding compound

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
Diamond powders (7782-40-3)	ND	15	10	No	No	No
Proprietary compound	ND	ND	ND	ND	ND	ND

Section 3: Hazard Identification

Emergency overview

Appearance: Paste

Immediate effects: ND

Potential health effects

Primary Routes of entry: ND

Signs and Symptoms of Overexposure: ND

Eyes: May cause irritation.

Skin: May cause irritation.

Ingestion: ND

Inhalation: ND

Chronic Exposure: ND

Chemical Listed As Carcinogen Or Potential Carcinogen: None

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 with plenty of water.

Skin Contact: Flush with plenty of water. Wash with warm water and mild soap.

Inhalation: Most likely not to occur, however vapors from polishing may be irritating, remove to fresh air. Seek medical attention if irritation persists.

Ingestion: May be irritating to digestive system, seek medical attention.

Note to physician

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

Section 5: Fire Fighting Measures

Flash Point: 340° F (Cleveland open cup ASTM)

Flammable Limits: D92 lower 0.9 calculated

Auto-ignition point: ND

Fire Extinguishing Media: Use carbon dioxide or dry chemical for small fires

Special Fire Fighting Procedures: Use more water.

Unusual Fire and Explosion Hazards: None

Hazardous combustion products: ND

DOT Class: None

Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: Collect material for proper disposal.

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: No special requirements.

Storage temperature: Room temperature.

Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Ventilation required: None need, mechanical acceptable

Personal Protection Equipment

Respiratory protection: None needed

Protective gloves: Plastic or rubber

Skin protection: Gloves

Eye protection: Safety glasses or goggles

Additional clothing and/or equipment: Eye bath and safety shower

Exposure Guidelines

See Composition/Information on Ingredients (Section2)

Section 9 Physical and Chemical Properties

Appearance and Physical State: Paste

Odor (threshold): Nil

Specific Gravity (H₂O=1): 1.1256

Vapor Pressure (mm Hg): -7

Vapor Density (air=1): 0.01 mm Hg @ 20° C

Percent Volatile by volume: ND

Evaporation Rate (butyl acetate=1): ND

Boiling Point: 392° F

Freezing point / melting point: ND

pH: ND

Solubility in Water: Complete

Molecular Weight: NA

Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: ND

Materials to Avoid (Incompatibility): ND

Hazardous Decomposition Products: ND

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Results of component toxicity test performed: ND

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: 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: Not regulated

IATA: Not regulated

IMO: Not regulated

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: ND

CERCLA: ND

State Regulations

California Proposition 65: No

International Regulations

Canada WHMIS: ND

Europe EINECS Numbers: ND

Section 16: Other Information

Label Information: ND

European Risk and Safety Phrases: ND

European symbols needed: ND

Canadian WHMIS Symbols: ND

Hazard Rating: Health: **0**; 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

Disclaimer

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