

Safety Data Sheet

Product No. 815-210, 815-212, 815-214, 815-216, 815-218, 815-220, 815-222, 815-224
Diamond Paste, Polycrystalline, 0.1, 0.25, 0.5, 1.0, 3.0, 6.0, 9.0, 15.0 µm
Issue Date (05-20-15)
Review Date (3-18-16)

Section 1: Product and Company Identification

Product Name: Diamond Paste, Polycrystalline, 0.1, 0.25, 0.5, 1.0, 3.0, 6.0, 9.0, 15.0 µm

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: Hazard Identification

2.1 Classification of the substance or mixture

GHS Pictograms



GHS07

GHS Categories

GHS07 – Irritant

Skin Irritant 2

Eye Irritant 2B

H315: Causes mild skin irritation.

H320: Causes eye irritation.

2.2 Label elements

Hazard Pictograms



GHS07

Signal Word: Warning

Hazard Statements

H315 Causes mild skin irritation.

H320 Causes eye irritation.

Precautionary Statements

P202 Do not handle until all safety precautions have been read and understood.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists, get medical attention/advice.
P501 Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other hazards

Health Effects:

NFPA Hazard Rating: Health: ND; Fire: ND; Reactivity: ND
HMIS® Hazard Rating: Health: ND; Fire: ND; Reactivity: ND
(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

Results of PBT and vPvB assessment: A chemical safety assessment has not been carried out.

PBT: ND

vPvB: ND

Emergency overview:

Appearance: Opaque liquid of varying colors due to diamond size.

Immediate effects: Eye & skin mechanical irritant.

Potential health effects

Primary Routes of entry: Skin and eye contact.

Signs and Symptoms of Overexposure: ND

Eyes: Mechanical eye irritation. Signs/symptoms may include pain, redness, tearing and corneal abrasion.

Skin: Mechanical skin irritation. Signs/symptoms may include abrasion, redness, pain, and itching.

Ingestion: Not likely under normal conditions of use.

Inhalation: May cause respiratory irritation.

Chronic Exposure: ND

Chemical Listed As Carcinogen or Potential Carcinogen: No

See Toxicological Information (Section 11)

Potential environmental effects

See Ecological Information (Section 12)

Section 3: Composition / Information on Ingredients

Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA PEL mg/m³	ACGIH TLV mg/m³	NTP Carcinogen	IARC Carcinogen	OSHA regulated Carcinogen
Proprietary Glycol Blend (NA)	40-60	NA	NA	No	No	No
Diamond (7782-40-3)	<20 ^a	5 mg/m ^{3b} ; 15 mg/m ^{3c}	3 mg/m ^{3b} ; 10 mg/m ^{3c}	No	No	No
Naptha (petroleum), Hydrotreated heavy (64742-52-5)	<10	500 ppm	NE	No	No	No
Triethanolamine (102-71-6)	<10	NE	5 mg/m ³	No	No	No

^aThe specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret. All remaining components are considered to be non-hazardous per 1910.1200.

^bRespirable fraction; ^cTotal Particulate (Nuisance Dust)

Section 4: First Aid Measures

If accidental overexposure is suspected

Eye(s) Contact: Immediately flush eyes with plenty of water lifting lower and upper eyelids occasionally, until abrasive material is removed. Get medical attention if irritation persists. After initial flushing, remove any contact lenses if worn.

Skin Contact: Remove contaminated clothing. Immediately wash with soap and water and rinse thoroughly. Seek medical attention if required.

Inhalation: Remove to fresh air. Seek medical attention if required.

Ingestion: No ingestion hazard is expected under normal industrial use. Seek immediate medical attention. Do not induce vomiting.

Note to physician

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

Section 5: Fire Fighting Measures

Flash Point: >242°F

Flammable Limits: ND

Auto-ignition point: ND

Fire Extinguishing Media: Use water spray to cool surfaces exposed to fire to disperse vapors and to protect personnel attempting to stop any leakage. Extinguish the fire with foam, dry chemical or carbon dioxide.

Special Fire Fighting Procedures: Use a self-contained breathing apparatus and full protection gear. Dike and collect water used to fight fire if possible.

Unusual Fire and Explosion Hazards: ND

Hazardous combustion products: Burning may produce smoke, carbon monoxide, carbon dioxide, and unburned hydrocarbons.

DOT Class: Not regulated

Section 6: Accidental Release Measures

Steps to be taken in Case Material is Released or Spilled:

Personal precautions, protective equipment and emergency procedures: Avoid contact with skin and eyes, and formation and accumulation of dust. Use personal protective equipment as specified in Section 8 of this SDS. Sweep or gather up material and place in proper container for disposal or recovery.

Environmental precautions: Avoid release into the environment.

Methods and material for containment and cleaning up:

Containment: If material is spilled or released, cordon off area. Persons not wearing appropriate protective equipment should be excluded from spill area until clean-up has been completed.

Clean-Up: Wear appropriate personal protective equipment as specified in Section 8. Collect spilled material and clean up any residue material by vacuuming or wet sweeping to reduce dust generation and place into an appropriate container suitable for proper disposal in accordance with local, regional, national, and/or international regulations.

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: Wear appropriate protective gloves and safety glasses with side shields or chemical goggles. Avoid contacting or breathing of material. Use only in well-ventilated area and be sure to wash hands thoroughly after handling material. Store in a tightly closed container in a secure and well-ventilated area. Store under dry and cool conditions and away from ignition sources and direct sunlight. Storage temperature: Cool-to-room temperature.

Storage Pressure: ND

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Ventilation required: Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls (wet grinding) to maintain airborne levels below identified exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protection Equipment

Respiratory protection: If ventilation is not sufficient to control exposures below the applicable exposure limits, an appropriate NIOSH approved air-purifying respirator equipped with organic vapor cartridges with dust/mist pre-filter is recommended. Select and use in accordance with 29 CFR 1910.134 and good industrial hygiene practice.

Protective gloves: Nitrile, neoprene, butyl, polyethylene, or PVC gloves.
Skin protection: Wear appropriate clothing or PPE to prevent repeated or prolonged contact with exposed skin.
Eye protection: Safety glasses with side shields or safety goggles.
Additional clothing and/or equipment: ND

Exposure Guidelines

See Composition/Information on Ingredients (Section 3)

Section 9 Physical and Chemical Properties

Appearance and Physical State: Opaque liquid of varying colors due to diamond size.

Odor (threshold): Mild odor (ND)

Specific Gravity (H₂O=1): 1

Vapor Pressure (mm Hg): ND

Vapor Density (air=1): NA

Percent Volatile by volume: ND

Evaporation Rate (butyl acetate=1): NA

Boiling Point: $\geq 212^{\circ}\text{F}$

Freezing point / melting point: ND

pH: NA

Solubility in Water: Soluble

Molecular Weight: ND

Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: None

Materials to Avoid (Incompatibility): Strong oxidizers

Hazardous Decomposition Products: None

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.

Marine Pollutant: No

Canadian TDG: Not regulated.

Section 15: Regulatory Information

United States Federal Regulations

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

SARA: None of the ingredients are listed.

SARA Title III: None of the ingredients are listed.

RCRA: None of the ingredients are listed.

TSCA: All components are listed on the TSCA public inventory.

CERCLA: None of the ingredients are listed.

State Regulations

California Proposition 65: None of the ingredients are listed.

International Regulations

Canada WHMIS: ND

Europe EINECS Numbers: ND

Section 16: Other Information

Label Information: See section 2.

European Risk and Safety Phrases: ND

European symbols needed: ND

Canadian WHMIS Symbols: ND

Abbreviations used in this document

NE= Not established

NA= Not applicable

NIF= No Information Found

ND= No Data

Disclaimer

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