



Material Safety Data Sheet

Product No. 18107, 18109 Poly/Bed® 812 Resin, Component of Poly/Bed® Test Kit

Issue Date (11-29-06)

Review Date (06-01-12)

Section 1: Product and Company Identification

Product Name Poly/Bed® Test Kit: Poly/Bed® 812 Resin

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/m3	ACGIH TLV mg/m3	NTP	IARC	OSHA regulated
1,2,3-Propanetriol, polymer with (chloromethyl) oxirane (25038-04-4)	100	NE	NE	NE	NE	NE

Section 3: Hazard Identification

Emergency overview

Appearance: Light yellow viscous liquid.

Immediate effects: Irritating or allergic reactions.

Potential health effects

Primary Routes of entry: Skin contact, inhalation, ingestion and eye contact.

Signs and Symptoms of Overexposure: ND

Eyes: May cause eye irritation.

Skin: May cause skin irritation, sensitization, and dermatitis.

Ingestion: Harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial use.

Inhalation: May cause respiratory tract irritation.

Chronic Exposure: May cause dermatitis.

Chemical Listed As Carcinogen Or Potential Carcinogen: ND

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 immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.

Skin Contact: Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with soap and water. Get medical attention if symptoms occur.

Inhalation: Move person to fresh air. Restore and support continued breathing. If breathing is difficult, give oxygen. Get immediate medical attention.

Ingestion: If swallowed, do not induce vomiting. Wash out mouth with water if person is conscious. Call a physician or poison control center immediately for further instructions. Never give anything by mouth to an unconscious person.

Note to physician

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

Section 5: Fire Fighting Measures

Flash Point: 224 °F Methods: DIN 51775

Flammable Limits: ND

Auto-ignition point: 270 ° C

Fire Extinguishing Media: Carbon dioxide, dry chemical, foam or water fog.

Special Fire Fighting Procedures: Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). IF water is used, fog nozzles are preferable.

Unusual Fire and Explosion Hazards: Keep containers tightly closed. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool.

Hazardous combustion products: None.

DOT Class: Not regulated.

Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: Any information is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel: No special measures are indicated.

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: Keep closure tight and container upright to prevent leakage. Avoid skin and eye contact. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Empty containers should not be re-used. Store in well-ventilated areas only. Keep container closed when not in use.

Storage Temperature: Room temperature.

Storage Pressure: ND

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Ventilation required: Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminants levels below recommended exposure limits.

Personal Protection Equipment

Respiratory protection: Use a NIOSH approved air-purifying organic vapor respirator if occupational limits are exceeded. For emergency situations, confined space uses, or other conditions where exposure limits may be greatly exceeded, use an approved air-supplied respirator. Observe OSHA regulations (29 CFR 1910.134) for respirator use.

Protective gloves: Latex or equivalent gloves.

Skin protection: Disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse.

Eye protection: Safety glasses with face shields and chemical splash 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: Light yellow viscous liquid.

Odor (threshold): Epoxy

Specific Gravity (H₂O=1): 1.22

Vapor Pressure (mm Hg): ND

Vapor Density (air=1): ND

Percent Volatile by volume: ND

Volatile by Weight: ND

Evaporation Rate (butyl acetate=1): ND

Boiling Point: Dec.

Freezing point / melting point: ND

pH: ND

Solubility in Water: 30 g/L

Molecular Weight: ND

Formula: (C₃H₈O₃•C₃H₅ClO)_x

Section 10: Stability and Reactivity

Stability: Stable under normal storage conditions.

Conditions to Avoid: High temperatures.

Materials to Avoid (Incompatibility): Strong acids and strong bases; non-ferrous metals and their salts.

Hazardous Decomposition Products: None.

Hazardous Polymerization: Will not occur under normal conditions.

Section 11: Toxicological Information

Results of component toxicity test performed: Acute: (Dermal, Rabbit): LD₅₀ = >12000 mg/Kg; (Oral, Rat): LD₅₀ = 500 mg/Kg.

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: NIF

Chemical Fate Information: NIF

Section 13 Disposal Considerations

RCRA 40 CFR 261 Classification: Not listed. Disposal should be done in accordance with Federal (40CFR Part 261), state and local environmental control regulations. If waste is determined to be hazardous, use licensed hazardous waste transporter and disposal facility.

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: Not regulated

IATA: Proper shipping name: Not regulated

IMO: Proper shipping name: Not regulated

Marine Pollutant: No

Canadian TDG: Not regulated

Section 15: Regulatory Information

United States Federal Regulations

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

This product is considered hazardous as defined by 29 CFR 1910.1200 (OSHA HazCom Standard).

SARA: Not listed

SARA Title III: Not listed

RCRA: Not listed.

TSCA: The chemical substances in this product are on the TSCA Section 8 Inventory.

CERCLA: Not listed.

State Regulations

California Proposition 65: None

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: **2**; 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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