

Safety Data Sheet

Product No. 18181, 18182 LR White, Medium and Hard, Uncatalyzed Resin

Issue Date (10-14-14)

Review Date (08-31-17)

Section 1: Product and Company Identification

Product Name: 18181, 18182 LR White, Medium and Hard, Uncatalyzed Resin

Synonym: None

Company Name

Ted Pella, Inc., P.O. Box 492477, Redding, CA 96049-2477

Inside USA and Canada 1-800-237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

Outside USA and Canada 1-530-243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

CHEMTREC USA and Canada Emergency Contact Number 1-800-424-9300 24 hours a day

CHEMTREC Outside USA and Canada Emergency Contact Number +1-703-741-5970 24 hours a day

Section 2: Hazard Identification

GHS Pictograms:



Irritant Environment Damaging

GHS Categories:

GHS07: Irritant

GHS09: Environment Damaging

Skin Irritant: Category 2 - H315

Eye Irritant: Category 2 – H319

Specific target organ toxicity – single exposure, respiratory system: Category 3 – H335

Acute aquatic toxicity: Category 1 – H400

Chronic aquatic toxicity: Category 1 – H410

Signal Word: Warning

Hazard Statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

P261 Avoid breathing vapors.

P273 Avoid release to the environment.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container to an approved waste disposal plant.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Label: Xi: Irritant

Label: N: Dangerous for the environment

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: Chemical Safety Assessment not required/not conducted.

PBT: Not applicable
vPvB: Not applicable

Emergency overview:

Appearance: Clear/straw colored liquid
Immediate effects: ND

Potential health effects

Primary Routes of entry: Skin and eye contact, Inhalation
Signs and Symptoms of Overexposure: ND
Eyes: Eye Irritant
Skin: Skin Irritant
Ingestion: ND
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
Ethoxylated Bisphenol A Dimethacrylate (24448-20-2)	12-17	NE	NE	No	No	No
Tetrahydrofurfuryl Methacrylate (2455-24-5) Xi: R36 Eye Irrit 2, H319	7-12	NE	NE	No	No	No
Methacrylic acid (90551-76-1) Ester (292-094-7) Xi; R36/37/38	20-30	NE	NE	No	No	No
Hydroxypropyl methacrylate (27813-02-1) Xi; R36/37/38 Eye Irrit 2, H319	20-30	NE	NE	No	No	No

Section 4: First Aid Measures

If accidental overexposure is suspected

Eye(s) Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact: Wash off with soap and plenty of water. Consult a physician.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Note to physician

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

Section 5: Fire Fighting Measures

Flash Point: 105°C – closed cup

Flammable Limits: Flammable

Auto-ignition point: ND

Fire Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus for firefighting if necessary.

Unusual Fire and Explosion Hazards: ND

Hazardous combustion products: Carbon oxides

DOT Class:

Section 6: Accidental Release Measures

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

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment.

Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for 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:

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature: < 25°C

Storage Pressure: ND

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Ventilation required: Ensure adequate ventilation.

Personal Protection Equipment

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Protective gloves: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry

hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Skin protection: Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Eye protection: Safety glasses with side shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

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: Clear/straw colored liquid

Odor: slight acrylic

Odor (threshold): ND

Specific Gravity (H₂O=1): ~1.0

Vapor Pressure (mm Hg): ca. 0.00 hPa at 20°C

Vapor Density (air=1): ND

Percent Volatile by volume: ND

Evaporation Rate (butyl acetate=1): ND

Boiling Point: ND

Freezing point / melting point: -7°C – lit. 142° C

pH: 6.9

Solubility in Water: 4.0 mg/l

Molecular Weight: ND

Section 10: Stability and Reactivity

Stability: Stable under recommended storage conditions. Contains the following stabilizers: Mequinol (500 ppm)

Conditions to Avoid: Presence of radical forming substances or exposure to UV light or aromatic primary amines.

Materials to Avoid (Incompatibility): Strong oxidizing agents, strong acids, strong bases.

Hazardous Decomposition Products: Fumes – Carbon monoxide, Carbon dioxide.

Hazardous Polymerization: Polymerization with release of heat in the presence of radical forming substances or exposure to UV light or aromatic primary amines.

Section 11: Toxicological Information

Results of component toxicity test performed:

Acute toxicity: Oral LD₅₀ Rabbit >2000 mg/kg body weight, Method: OECD 401

Result: Mild eye irritation – 24 h

Dermal LD₅₀ Rabbit >5000 mg/kg body weight

Result: Mild skin irritation – 24 h

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: Very toxic to aquatic life with long lasting effects.

Acute aquatic toxicity: Fish: LC₅₀ (48 hour): 493 mg/L Method: DIN 38412, Part 1

Crustacea: EC₅₀ (48 hour) > 130 mg/L Method: OECD 202

Algae/aquatic plants: EC₀ > 100 mg product/L. Method: DIN 38412, Part 27 (ROBRA Test, conforms with OECD 209)

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: Proper shipping name: Not regulated

IATA: 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.

SARA: Substance is not listed.

SARA Title III: Substance is not listed.

RCRA: Substance is not listed.

TSCA: All components of this product are on the TSCA public inventory.

CERCLA: Substance is not listed.

State Regulations

California Proposition 65: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

International Regulations

Canada WHMIS: ND

Europe EINECS Numbers: ND

Section 16: Other Information

Label Information: Irritant

European Risk and Safety Phrases: R36/37/38, R50/53

European symbols needed: Xi

Canadian WHMIS Symbols: ND

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.