TED PELLA, INC.
Microscopy Products for Science and Industry

**Safety Data Sheet**
**Product No. 18185 Accelerator for LR White**
**Issue Date (10-14-14)**
**Review Date (04-03-15)**

## Section 1: Product and Company Identification

**Product Name: Accelerator for LR White**
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

GHS Pictograms:


Toxic Health hazard

GHS Categories:
GHS06: Toxic

**Signal Word: DANGER**

**Hazard Statements:**

| | |
|---|---|
| H301+H311+H331 | Toxic if swallowed, in contact with skin or if inhaled. (Category 3) |
| H373 | May cause damage to organs through prolonged or repeated exposure. (Category 2) |
| H412 | Harmful to aquatic life with long lasting effects. |

Precautionary Statements:

| | |
|---|---|
| P261 | Avoid breathing vapors. |
| P273 | Avoid release to the environment |
| P280 | Wear protective gloves/protective clothing. |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |
| P311 | Call a POISON CENTER or doctor/physician. |

**Classification according to Directives 67/548/EEC or 1999/45/EC:**
Label: Toxic

**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: Not applicable
vPvB: Not applicable

**Emergency overview:**
Appearance: Yellow to clear liquid
Immediate effects: ND
**Potential health effects**
Primary Routes of entry: Skin contact, inhalation, ingestion
Signs and Symptoms of Overexposure: The most important known symptoms and effects are described in the labeling of hazard statements.
Eyes: ND
Skin: Toxic on skin contact.
Ingestion: Toxic is ingested.
Inhalation: Toxic if inhaled.
Chronic Exposure: May cause damage to organs through prolonged or repeated exposure.
Chemical Listed As Carcinogen Or Potential Carcinogen: 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.
See Toxicological Information (Section11)
**Potential environmental effects**
See Ecological Information (Section 12)

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**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 |
|---|---|---|---|---|---|---|
| N, N-Dimethyl-p-toluidine (99-97-8) EC-No. 202-805-4 Index-No 612-056-00-9 | 55-65 | NE | NE | No | No | No |
| Poly(ethelene glycol) (25322-68-3) | 35-40 | NE | NE | No | No | No |

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**Section 4: First Aid Measures**

**If accidental overexposure is suspected**

Eye(s) Contact: Flush eyes with water as a precaution.
Skin Contact: Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Ingestion: Do not induce vomiting. 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

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**Section 5: Fire Fighting Measures**

Flash Point: ND
Flammable Limits: Upper: 7% (V) Lower: 1.2% (V)
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 if necessary. Use water spray to cool unopened containers.
Unusual Fire and Explosion Hazards: ND
Hazardous combustion products: Carbon oxides, nitrogen oxides (NOx).
DOT Class: Toxic Liquid

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**Section 6: Accidental Release Measures**

Steps to be Taken in Case Material is Released or Spilled:
Personal precautions, protective equipment and emergency procedures: Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental Precautions: Prevent further leakage or spillage if safe to do so. Don not let product enter drains. Discharge into the environment must be avoided.
Methods and materials for containment and cleaning up: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations. Keep in suitable, closed containers for disposal.
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 contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition – NO SMOKING. Take measures to prevent the buildup of electrostatic charge.

Storage temperature: Store in cool place. Keep container closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Storage Pressure: ND

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**Section 8: Exposure Controls / Personal Protection**
**Engineering Controls**
Ventilation required: Well-ventilated.
**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.

Full contact:
Material: butyl-rubber
Minimum layer thickness: 0.3 mm
Break through time: 480 min
Material tested: Dermatril® P(KCL 743 / Aldrich Z677388, Size M)

Splash contact:
Material: Nirtrile rubber
Minimum later thickness: 0.2 mm
Break through time: 30 min
Material tested: Dermatril® P(KCL 743 / Aldrich Z677388, Size M)

Skin protection: Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Eye protection: Face shield and safety glasses. 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)

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**Section 9 Physical and Chemical Properties**
Appearance and Physical State: Clear to yellow liquid
Odor (threshold): ND
Specific Gravity ($H_2O$=1): ND
Vapor Pressure (mm Hg): 0.100 hPa
Vapor Density (air=1): 5.42
Relative density: 0.937 g/ml at 25°C
Percent Volatile by volume: ND
Evaporation Rate (butyl acetate=1): ND
Boiling Point: 211°C – lit.
Freezing point / melting point: ND
pH: ND
Solubility in Water: Insoluble
Molecular Weight: ND

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**Section 10: Stability and Reactivity**
Stability: Stable under recommended storage conditions.
Conditions to Avoid: Heat, flames, and sparks
Materials to Avoid (Incompatibility): Acids, acid chlorides, acid anhydrides, strong oxidizing agents.
Hazardous Decomposition Products: ND
Hazardous Polymerization: ND

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**Section 11: Toxicological Information**
Results of component toxicity test performed:
Acute toxicity: Intraperitoneal LD50 Mouse 212 mg/kg – DNA damage
Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer. The chemical, physical, and toxicological properties have not been thoroughly investigated.
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: Harmful to aquatic life with long lasting effects. Toxicity to fish.
Chemical Fate Information: ND

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**Section 13 Disposal Considerations**
RCRA 40 CFR 261 Classification:
This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. 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: Toxic liquid, organic, n.o.s.( N, N-Dimethyl-p-toluidine)
Hazard Class: 6.1
Packaging group: III
UN Number: UN2810
IATA: Proper shipping name: Toxic liquid, organic, n.o.s.( N, N-Dimethyl-p-toluidine)
Hazard Class: 6.1
Packing group: III
UN Number: UN2810
Marine Pollutant: No
Canadian TDG: Toxic liquid, organic, n.o.s.( N, N-Dimethyl-p-toluidine)

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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: 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

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**Section 16: Other Information**
Label Information: Toxic, Environment Damaging
European Risk and Safety Phrases: R23/24/25, R33, R52/53
European symbols needed: See section 2
Canadian WHMIS Symbols: ND
**Abbreviations used in this document**
NE= Not established
NA= Not applicable
NIF= No Information Found
ND= No Data

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**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.