Section 1: Product and Company Identification

Product Name: Uranyl Acetate Alternative
Synonym: Uranyl Acetate Alternative Stain
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: GHS07
GHS Categories:

H302: Harmful if swallowed
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H320: Causes eye irritation

Health Effects:
Hazard Rating: Health: 2; Fire: 0; Reactivity: 0
(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)
Emergency overview
Appearance: Liquid, colorless or slightly yellow.
Immediate effects: ND

Potential health effects
Primary Routes of entry: Skin and eye contact, ingestion and inhalation.
Signs and Symptoms of Overexposure: ND
Eyes: May cause irritation
Skin: May cause irritation
Ingestion: Harmful if swallowed
Inhalation: Harmful if inhaled.
Chronic Exposure: ND
Chemical Listed As Carcinogen Or Potential Carcinogen: None Listed
See Toxicological Information (Section11)

Potential environmental effects
See Ecological Information (Section 12)

Section 3: Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Principle Hazardous Component(s)</th>
<th>%</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>NTP</th>
<th>IARC</th>
<th>OSHA regulated</th>
</tr>
</thead>
</table>
Section 4: First Aid Measures
If accidental overexposure is suspected
Eye(s) Contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Skin Contact: Immediately wash with water and soap and rinse thoroughly.
Inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.
Ingestion: Immediately call a doctor. No information on the physiological effects of ingestion. Harmful if swallowed

Note to physician
Treatment: ND
Medical Conditions generally Aggravated by Exposure: ND

Section 5: Fire Fighting Measures
Flash Point: NA
Flammable Limits: None
Auto-ignition point: None
Fire Extinguishing Media: carbon dioxide, dry powder or foam
Special Fire Fighting Procedures: If involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.
Unusual Fire and Explosion Hazards: None
Hazardous combustion products: If involved in a fire this material may emit toxic organic fumes.
DOT Class: None

Section 6: Accidental Release Measures
Steps to be Taken in Case Material is Released or Spilled: Small spills can be mixed with vermiculite or sodium carbonate and swept up, the safety recommended container is glass. Avoid discharge of spilled substance into river.
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 direct sunlight and heat. Store in sealed glass container.
Storage temperature: Room Temperature.
Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection
Engineering Controls
Ventilation required: If in form of fine mist and ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 1910.134.

Personal Protection Equipment
Respiratory protection: If possible, handle the material in an efficient fume hood.
Protective gloves: Wear appropriate chemical resistant gloves
Skin protection: Wear appropriate chemical resistant protective clothing.
Eye protection: Always wear approved safety glasses when handling a chemical substance in the laboratory.
Additional clothing and/or equipment: ND

Exposure Guidelines
See Composition/Information on Ingredients (Section 2)

**Section 9 Physical and Chemical Properties**
Appearance and Physical State: Liquid, colorless or slightly yellow
Odor (threshold): ND
Specific Gravity (H₂O=1): ND
Vapor Pressure (mm Hg): ND
Vapor Density (air=1): ND
Percent Volatile by volume:

Evaporation Rate (butyl acetate=1): ND
Boiling Point: ND
Freezing point / melting point: ND
pH: ND
Solubility in Water: Soluble
Molecular Weight: NA

**Section 10: Stability and Reactivity**
Stability: Stable
Conditions to Avoid: Sunlight and heat
Materials to Avoid (Incompatibility): Oxidizing agents and active metals.
Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, organic vapors, and metal oxides and carbonates.
Hazardous Polymerization: None

**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: Proper shipping name: Not regulated.
Hazard Class: None
Packaging group: None
UN Number: None
IATA: Proper shipping name: Not regulated.
Hazard Class: None
Packaging group: None
UN Number: None
Marine Pollutant: NA
Canadian TDG: Not regulated.

**Section 15: Regulatory Information**
United States Federal Regulations
SARA: Not Listed
SARA Title III: None listed
RCRA: ND
TSCA: Not listed in the TSCA inventory.
CERCLA: ND
State Regulations
California Proposition 65: None
International Regulations
Canada WHMIS: ND
Europe EINECS Numbers: ND

Section 16: Other Information
Label Information: May cause irritation to eye and skin.
European Risk and Safety Phrases: 36/37/38 and 26-36.
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
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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