

**Safety Data Sheet**

**Product No.19485 Uranyl Acetate Alternative**

**Issue Date (01-30-12)**

**Review Date (08-31-17)**

**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 (Section 11)

**Potential environmental effects**

See Ecological Information (Section 12)

**Section 3: Composition / Information on Ingredients**

Principle Hazardous Component(s)	%	OSHA PEL	ACGIH TLV	NTP	IARC	OSHA regulated
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(chemical and common name(s)) (Cas. No)		mg/m <sup>3</sup>	mg/m <sup>3</sup>			
Gadolinium Acetate Tetrahydrate (15280-53-2)	~10	NE	NE	No	No	No

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#### 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

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#### 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

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#### 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.

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#### 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

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#### 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 (Section2)

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### **Section 9 Physical and Chemical Properties**

Appearance and Physical State: Liquid, colorless or slightly yellow

Odor (threshold): ND

Specific Gravity (H<sub>2</sub>O=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

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### **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

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### **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.

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### **Section 12: Ecological Information**

Ecological Information: ND

Chemical Fate Information: ND

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### **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.

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### **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

Packing group: None

UN Number: None

Marine Pollutant: NA

Canadian TDG: Not regulated.

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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: 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

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### **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

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### **Disclaimer**

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