

## Safety Data Sheet

**Product No.19485 Uranyl Acetate Alternative**

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

**Review Date (11-21-14)**

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### 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**

**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.**

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### 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)

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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	IARC	OSHA regulated
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**

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.

MSDS Form 0013F1 V3