

# MATERIAL SAFETY DATA SHEET

*Product Name:* Uranyl Acetate  
*Catalog Number:* 23620  
*Other Names:* Uranium (VI) diacetate oxide  
*MSDS Updated:* 9/2011

*Distributed By:* Ladd Research Industries  
83 Holly Court  
Williston, VT 05495  
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## HAZARDOUS COMPONENTS

	<i>CAS Number</i>	<i>Percent</i>	<i>Exposure Limits</i>
Uranyl Acetate	541-09-3	>99%	50µg/m <sup>3</sup>

## PHYSICAL AND CHEMICAL DATA

**Radioactivity:** Ladd Uranyl Acetate has a typical radioactivity of 0.37 - 0.51 µCi/g. This mild radioactivity level is not sufficient to be harmful while the material remains external to the body.

**Boiling Point:** decomposes at 275°C

**Specific Gravity:** 2.893

**Solubility in Water:** 7.694 g/100 g H<sub>2</sub>O

**Appearance and Odor:** Yellow rhombic crystals, slight acetic odor

## FIRE AND EXPLOSION DATA

Flash Point: Not available

Extinguishing Media: Dry foam

Special Fire Fighting Procedures: Self-contained breathing apparatus recommended

## HEALTH HAZARD DATA

Very toxic by ingestion and if inhaled as dust. Toxic by skin contact if skin is cut or abraded. Danger of cumulative effects.

## EMERGENCY AND FIRST AID

**Eyes:** Irrigate thoroughly with water for at least 10 minutes. If discomfort persists, obtain medical attention.

**Lungs:** Remove from exposure. Rest and keep warm. In severe cases, obtain medical attention.

**Skin:** Wash skin thoroughly with water. Remove contaminated clothing and wash before re-use. In severe cases, obtain medical attention.

## REACTIVITY DATA

**Stability:** Stable.

**Reaction with Water:** None

**Hazardous Polymerization:** Will not occur.

**Avoid Contact with:** Oxidizers

## SPILL, DISPOSAL AND STORAGE INFORMATION

**In Case of Spill:** Wear appropriate protective clothing. Mix with sand, transfer carefully to container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent.

**Disposal:** Dispose of through local authorities if appropriate facilities are available, otherwise, pass to a chemical disposal company.

**Storage:** Keep material in sealed containers away from normal working areas. Do not eat, drink or smoke while using.

## PROTECTIVE EQUIPMENT AND CONTROL MEASURES

**Ventilation:** Chemical fume hood

**Gloves:** Rubber or plastic

**Eye Protection:** Goggles or face shield

**Other Measures:** Plastic apron, sleeves, boots-if handling large quantities

**SECTION 313 SUPPLIER NOTIFICATION**

Not applicable.



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