

# MATERIAL SAFETY DATA SHEET

*Product Name:* Phosphotungstic Acid  
*Catalog Number:* 23610  
*DOT Hazard Class:* Shipped as Excepted Quantity  
*MSDS Prepared:* 9/2011

*Distributed By:* Ladd Research  
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## HAZARDOUS COMPONENTS

	<i>CAS Number</i>	<i>Percent</i>	<i>Exposure Limits</i>
Phosphotungstic Acid	12501-23-4	100%	5 mg/m <sup>3</sup> TWA (ACGIH)

## PHYSICAL AND CHEMICAL DATA

**Appearance and Odor:** White solid, no appreciable odor  
**Vapor Density:** 224.8 (air=1.0)  
**Boiling Point:** Decomposes  
**Freezing Point:** 89°C  
**Solubility in Water:** Very soluble

## FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** None  
**Extinguishing Media:** Use agent most appropriate to extinguish surrounding fire.

## HEALTH HAZARD DATA

**Target Organs:** CNS, cardiovascular system  
**Eye:** Causes eye burns. May cause ulceration of the conjunctiva and cornea. May cause chemical conjunctivitis and corneal damage.  
**Skin:** Causes skin burns. May cause skin rash in milder cases, and cold and clammy skin with cyanosis or pale color in more severe cases.  
**Ingestion:** May cause severe damage to the digestive tract. Causes GI tract burns. May cause perforation of the digestive tract. May cause cardiac disturbances. May cause systemic effects.  
**Inhalation:** Causes chemical burns to the respiratory tract. Aspiration may lead to pulmonary edema. May cause cardiac abnormalities.

## EMERGENCY AND FIRST AID

**Eyes:** Get medical aid immediately. DO NOT allow victim to rub or keep eyes closed. Extensive irrigation with water is required (at least 30 minutes).  
**Skin:** Get medical aid immediately. Flush skin with plenty soap and water for at least 15 minutes.  
**Ingestion:** DO NOT induce vomiting. If victim is conscious, give 2-4 cupfuls of milk or water.  
**Inhalation:** Get aid immediately. Remove from exposure to fresh air. DO NOT perform rescue breathing.

***REACTIVITY DATA***

**Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** High temperatures, dust generation, excess heat.

**Incompatibilities with Other Materials:** Not Available

**Hazardous Decomposition Products:** Phosphine, oxides of phosphorous.

**Hazardous Polymerization:** Has not been reported.

***SPILL, DISPOSAL AND STORAGE INFORMATION***

**Spills:** Clean spills immediately. Avoid generating dusty conditions. Provide ventilation. Sweep into suitable disposal container.

**Disposal:** Consult local, state and federal regulations.

**Storage:** Keep refrigerated. Keep container closed when not in use.

***PROTECTIVE EQUIPMENT AND CONTROL MEASURES***

**Eyes:** Wear safety glasses and chemical goggles if splashing is possible

**Skin:** Wear appropriate gloves.

**Respirator:** Use OSHA/MSHA approved cartridge

***SECTION 313 SUPPLIER NOTIFICATION***

**Not applicable.**

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