



# American International Chemical, Inc.

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## MATERIAL SAFETY DATA SHEET

### PHOSPHOTUNGSTIC ACID

#### SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

American International Chemical, Inc. 135 Newbury Street Framingham, MA 01701	Emergency Number: Chemtrec Information Number:	800-424-9300 703-527-3887 800-238-0001
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Date: August 2007

Synonyms: Phospho-12-tungstic acid, phosphowolframic acid, tungstophosphoric acid

CAS #: 12501-23-4

DOT Hazard Class: Corrosive Solid, Acidic, Inorganic, N.O.S.  
(Phosphotungstic Acid)  
UN 3260, Class 8, PG III, Corrosive

#### SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Phosphotungstic Acid 80% min. (as  $WO_4$ )

#### SECTION 3 - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Odorless white granules that can cause severe irritation. Avoid contact with skin, eyes and breathing vapors.

**POTENTIAL HEALTH EFFECTS:**

**Eyes & Skin:** Can cause severe irritation or burns.

**Inhalation:** Can cause irritation to upper respiratory tract.

**Ingestion:** Can cause severe burns to mouth, throat and stomach.

**CARCINOGENICITY:** Not listed under OSHA, IARC, or NTP.

**Target Organs:** Skin and eyes.

#### SECTION 4 - FIRST AID MEASURES

**Eyes:** Immediately flush with plenty of water for at least 15 minutes.

**Skin:** Remove contaminated clothing. Flush skin with water.

**Inhalation:** Remove to the fresh air. If not breathing give artificial respiration. If difficulty breathing give oxygen.

**Ingestion:** If swallowed, give large amounts of water, induce vomiting.

**In All Of The Above:** Seek medical attention, if symptoms persist.

## **SECTION 5 - FIRE FIGHTING MEASURES**

Flash Point: Not Flammable

Flammable Limits: Not Applicable

Extinguishing Media: Use media that is appropriate to treat surrounding fire.

Special Fire Fighting Procedures: Use fire fighting procedure that is appropriate to treat surrounding fire.

Unusual Fire Explosion Hazard: None Known

Auto Ignition Temperature: Not Applicable

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## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Isolate hazard area and deny entry to unnecessary or unprotected personnel.

Contain spill, sweep up, collect and place in a disposal container. Avoid runoff into storm sewers and ditches which lead to waterways.

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## **SECTION 7 - HANDLING AND STORAGE**

Avoid contact with skin, eyes and clothing. Avoid breathing dust. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials. Product is slightly hygroscopic and should be stored in a dry area to prevent moisture pick up and caking.

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## **SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate dust from the work area.

SKIN AND EYE PROTECTION:

Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin from dust.

WORK, HYGIENIC PRACTICES:

As required to protect skin and eyes from dust, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE LIMITS:

TLV/TWA	1mg/m <sup>3</sup> - for Tungsten
STEL	3 mg/m <sup>3</sup> - for Tungsten

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## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: Decomposes at 380 °C

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H2O=1): 2.26

Bulk Density: Not Available

Percent Volatile by Volume (%): Not Applicable

Melting Point: 307 °C

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Appreciable

pH: Not Applicable

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## **SECTION 10 - STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of nitrogen and phosphorus

KEEP AWAY FROM: Reducing agents, alkali metals, metals, metal oxides, carbonates, cyanides and flammable materials.

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## **SECTION 11 - TOXICOLOGICAL INFORMATION**

Oral Rat LD<sub>50</sub> 3300 mg/kg

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## **SECTION 12 - ECOLOGICAL INFORMATION**

Not available

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## **SECTION 13 - DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all federal, state and local regulations.

RCRA WASTE #: Not Listed

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**SECTION 14 - TRANSPORTATION INFORMATION**

D.O.T. SHIPPING NAME: Corrosive Solid, Acidic, Inorganic, N.O.S.  
(Phosphotungstic Acid)  
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**SECTION 15 - REGULATORY INFORMATION**

TSCA (TOXIC SUBSTANCE CONTROL ACT):  
This product is listed on the TSCA Inventory.

CERCLA REPORTABLE REQUIREMENTS: (RQ) None

SARA TITLE III INFORMATION:

Section 302 Extremely Hazardous Substance: Unlisted

Section 313 Toxic Chemicals: Unlisted

Section 311/312 Hazard Category: Immediate (acute) Health Hazard, Delayed (chronic).

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**SECTION 16 - OTHER INFORMATION**

Reason for Issue: Changed Date

**This information is given without any warranty or representation. It is believed to be correct but does not claim to be all inclusive and shall be used only as a guide. American International Chemical, Inc., shall not be held liable for any damage resulting from handling or contact with the above product. It is offered solely for your consideration, investigation and verification.**

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