

# FLINN SCIENTIFIC, INC.

## Material Safety Data Sheet (MSDS)

MSDS #: 604.00

Revision Date: September 27, 2010

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Phosphotungstic Acid

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

### SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Phosphotungstic Acid

CAS#: 12501-23-4

### SECTION 3 — HAZARDS IDENTIFICATION

Off-white crystalline powder.

Corrosive to body tissues. Avoid all body tissue contact. Moderately toxic by ingestion.

#### FLINN AT-A-GLANCE

Health-2

Flammability-0

Reactivity-0

Exposure-2

Storage-0

0 is low hazard, 3 is high hazard

### SECTION 4 — FIRST AID MEASURES

Call a physician, seek medical attention for further treatment, observation and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.

Eye: Immediately flush with fresh water for 15 minutes.

External: Wash continuously with fresh water for 15 minutes.

Internal: Give large quantities of water. Call a physician or poison control at once.

### SECTION 5 — FIRE FIGHTING MEASURES

Noncombustible; nonflammable solid.

When heated to decomposition, emits toxic fumes of POx.

**Fire Fighting Instructions:** Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

#### NFPA CODE

None

established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area. Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

### SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Inorganic #9. Store with acids.

Store in a cool dry place. Use and dispense in a hood.

### SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron. Use exhaust ventilation to keep airborne concentrations low.

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Off-white crystalline powder.

Melting Point: (for 24 H<sub>2</sub>O Hydrate) 89 °C

Solubility: Soluble in water, acetone and ether.

Formula: H<sub>3</sub>PO<sub>4</sub> 12WO<sub>3</sub> xH<sub>2</sub>O

Formula Weight: 2880.17

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with strong bases.

Shelf Life: Indefinite.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Corrosive

ORL-RAT LD50: 3300 mg/kg

Chronic effects: N.A.

IHL-RAT LC50: N.A.

Target organs: N.A.

SKN-RBT LD50: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please consult with state and local regulations.

Flinn Suggested Disposal Method #6 is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping Name: Not regulated

Hazard Class: N/A

UN Number: N/A

N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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RCRA code D002.

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**SECTION 16 — OTHER INFORMATION**

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**Consult your copy of the *Flinn Science Catalog/Reference Manual*  
for additional information about laboratory chemicals.**