

# Material Safety Data Sheet

## (19502-5)

### Section 1: Chemical Product and Company Identification

**Product Name:** Phosphotungstic Acid, 5% Aqueous

**Catalog Number:** 19502-5

**CAS#:** 15312-42-9

**Contact Information:**

**Electron Microscopy Sciences**

1560 Industry Road

Hatfield, PA 19440

1-215-412-8400 (phone)

1-800-523-5874 (toll-free)

1-215-412-8450 (fax)

**Order Online:** [emsdiasum.com](http://emsdiasum.com)

**CHEMTREC (24-Hour Emergency Telephone), call:** 1-800-424-9300

### Section 2: Composition and Information on Ingredients

CAS#	Chemical Name	Percent
15312-42-9	Phosphotungstic Acid	5 w/v
7732-18-5	Water	100v/v

### Section 3: Hazards Identification

**NFPA** Health – 1

Flammability – 0

Reactivity – 0

**CAUTION! CORROSIVE!** Avoid contact with skin and eyes and clothing.

### Section 4: First Aid Measures

**Eye Exposure:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**Dermal Exposure:** In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Seek immediate medical advice.

**Oral Exposure:** If swallowing, seek immediate medical advice.

**Inhalation Exposure:** If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

### Section 5: Fire and Explosion Data

**NFPA** Health – 1

Flammability – 0

Reactivity – 0

Firefighters should wear proper protective clothing and self contained breathing apparatus with full piece operated in positive pressure mode to prevent contact with skin and eyes.

**Extinguishing Media:** Use water spray, dry chemical powder, or appropriate foam.

**Flash Point:** N/A

**Auto-ignition Temperature:** N/A

**Explosion Limits:** N/A

**Upper:** N/A

### Section 6: Accidental Release Measures

**Procedure(s) of Personal Precaution(s):** Wear protective gear.

**Methods for Cleaning Up:** Absorb with sand, earth, or vermiculite. Carefully sweep up and containerize for proper disposal.

### Section 7 : Handling and Storage

Use care when handling. Avoid contact with skin, eyes and clothing. Store at room temperature.

### Section 8: Exposure Controls/Personal Protection

**Engineering Controls:** Mechanical exhaust

**Personal Protective Equipment: Other:** Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, and other protective clothing.

### Section 9: Physical and Chemical Properties

**pH:** 1.44 (+/-0.10)

**Physical State:** Liquid

**Appearance:** Clear

**Vapor Pressure:** N/A

**Vapor Density:** N/A

**Evaporation Rate:** N/A

**Viscosity:** N/A

**Boiling Point:** N/A

### Section 10: Stability and Reactivity Data

**Chemical Stability:** Stable at room temperature in closed containers under normal storage and handling conditions.

**Hazardous Decomposition Products:** Not available.

**Hazardous Polymerization:** Will not occur.

### Section 11: Toxicological Information

**Route of exposure: Multiple routes:** May cause irritation, corrosive. May be harmful by ingestion, or skin absorption.

**Conditions aggravated by exposure:** The toxicological properties have not been thoroughly investigated.

### Section 12: Ecological Information

No data available.

### Section 13: Disposal Considerations

**Appropriate method of disposal of substance or preparation:** Handled as hazardous waste and sent to a RCRA approved incinerator or disposed of in a RCRA approved waste facility.

### Section 14: Transport Information

DOT Non-regulated

### Section 15: Other Regulatory Information

US Classification and label test

US Statements: Caution: Irritant, corrosive to skin and eyes.

United States Regulatory Information

SARA Listed: No

Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: no

NDSL: no

### Section 16: Other Information:

**Last Updated, Verified and Printed:** November 3, 2011

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