

# SAFETY DATA SHEET

## PHOSPHOTUNGSTIC ACID, 5% AQUEOUS

### Section 1 - Chemical Product and Company Identification

**SDS Name:** Phosphotungstic Acid, 5% AQUEOUS  
**Catalog Numbers:** F-375-10, F-384-9, F-385-9, SO-397  
**Company Identification:** ROWLEY BIOCHEMICAL  
10 ELECTRONICS AVENUE  
DANVERS, MA 01923  
**For information, call:** 978-739-4883  
**Emergency Number:** 800-424-9300  
**For CHEMTREC assistance, call:** 800-424-9300

### Section 2 - Hazards Identification

#### GHS Classifications

##### HEALTH HAZARDS

H303-Acute Oral Toxicity: 5  
H315-Skin Corrosion/Skin Irritation: 2  
H318-Eye damage/Irritation: 1

##### PHYSICAL HAZARDS

Not classified

##### ENVIRONMENTAL HAZARDS

Aquatic acute environmental Hazards: Not classified  
Chronic environmental Hazards: 4

**Pictograms or Hazard symbols and Hazard statement.**



Warning: Causes skin irritation.



Danger: Causes serious eye damage



Warning: May be harmful in inhaled

### Precautionary Statement

H303

**P312** Call a physician if you feel unwell.

H315

**P264**-Wash thoroughly after handling.

**P280**-Wear protective gloves.

**P302+P352**-IF ON SKIN: Wash with plenty of soap and water.

**P332+P313**-If skin irritation occurs: Get medical advice/attention.

**P362**-Take off contaminated clothing and wash before reuse

H318

**P280**-Wear eye protection and face protection

**P305+P351+P338**-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P310**-Immediately call a POISON CENTER or doctor/physician.

### Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
12501-23-4	Phosphotungstic Acid	5 w/v
7732-18-5	Water	Balance

#### 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.

**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 Fighting Measures

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

**NFPA Rating:** (estimated) Health: 2; Flammability: 0; Instability: 0

#### 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. Wash thoroughly after handling. Store capped at room temperature. Keep away from incompatible materials.

#### Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

### Personal Protective Equipment

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

## Section 9 - Physical and Chemical Properties

**Physical State:** Liquid

**Appearance:** Clear

**Odor:** none

**Solubility:** Soluble in water

**pH:** 1.50-2.50

**Water.**

**Vapor Pressure:** 2.3 kPa @ 20deg. C

**Vapor Density:** 0.62 (Air=1)

**Evaporation Rate:** N/A

**Viscosity:** N/A

**Boiling Point:** 100 deg. C

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under ordinary conditions of use and storage.

**Conditions to Avoid:** Not available.

**Incompatibilities with Other Materials:** Not available.

**Hazardous Decomposition Products:** Not available.

**Hazardous Polymerization:** Will not occur.

## Section 11 - Toxicological Information

**RTECS#:**

**LD50/LC50:**

CAS# 12501-23-4 : Not available

**Carcinogenicity:**

CAS# 12501-23-4 : Not listed by ACGIH, IARC, NTP, or CA Prop 65.

## Section 12 - Ecological Information

### **Ecotoxicity:**

CAS#12501-23-4: Not available

**Environmental:** No information available.

**Physical:** No information available.

**Other:** No information available.

## Section 13 - Disposal Considerations

### **Appropriate method of disposal of substance or preparation:**

Handled as hazardous waste and sent to an RCRA approved incinerator or disposed in an RCRA approved wasted facility.

## Section 14 – Transport Information

### **DOT**

Non-Regulated

## Section 15 - Regulatory Information

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.

### **European/International Regulations**

#### **European Labeling in Accordance with EC Directives**

#### **Risk Phrases:**

R22 Harmful if swallowed.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

#### **Safety Phrases:**

S26/28 In case of contact with eyes or skin, rinse immediately with plenty of water and seek medical advice.

S36 Wear suitable protective clothing.

Section 16 - Additional Information

**MSDS Creation Date:** 10/15/12

**Revision #1. RC 11/18/14**

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