

# SAFETY DATA SHEET

## PHOSPHOTUNGSTIC ACID HEMATOXYLIN SOLUTION

### Section 1 - Chemical Product and Company Identification

**SDS Name:** Phosphotungstic Acid Hematoxylin Solution

**Catalog Numbers:** F-382-1, K-658-2, G-452-5, SO-398

**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

H315-Skin Corrosion/Skin Irritation: 2

H318-Eye damage/Irritation: 1

H341-Germ Cell Mutagenicity: 2

H361-Reproductive Toxicity: 2

H373-Specific Target Organ Toxicity: 2

##### 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.



Warning: Suspected of causing genetic defects.  
Suspected of damaging fertility or the unborn child.  
May cause damage to organs.



Danger: Causes serious eye damage

### Precautionary Statement

#### 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.

#### H341+H361

**P201**-Obtain special instructions before use.

**P202**-Do not handle until all safety precautions have been read and understood.

**P281**-Use personal protective equipment as required.

**P308**-IF exposed or concerned: Get medical advice/attention.

**P405**-Store locked up.

#### H373

**P260**-Do not breathe dust/fume/gas/mist/vapor/spray.

**P314**-Get medical advice/attention if you feel unwell.

## Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
517-28-2	Hematoxylin	0.1 w/v
12501-23-4	Phosphotungstic Acid	2 w/v
7722-64-7	Potassium Permanganate	0.02 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:** dark purple.

**Odor:** none

**Solubility:** Soluble in water

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

CAS# 517-28-2 : Not available

CAS# 7722-64-7:

Oral rat LD50: 1090 mg/kg.

Oral mouse LD50: 2157 mg/kg.

**Carcinogenicity:**

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

CAS# 517-28-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 7722-64-7: Not listed by ACGIH, IARC, NTP, or CA Prop 65

**Mutagenicity:**

CAS# 7722-64-7:

Mutagenic for bacteria and/or yeast. May cause damage to the following organs:  
kidneys, liver, skin, central nervous system (CNS).

Section 12 - Ecological Information
-------------------------------------

**Ecotoxicity:**

CAS# 12501-23-4: Not available

CAS# 517-28-2: 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. 11/3/14**

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Rowley Biochemical, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rowley Biochemical, Inc. has been advised of the possibility of such damages.*