

# SAFETY DATA SHEET

## PERIODIC ACID, 1% AQUEOUS

### Section 1 - Chemical Product and Company Identification

**SDS Name:** Periodic Acid, 1% Aqueous

**Catalog Numbers:** E-330-1, G-461-1, N-853-2, O-920-3, O-921-6, I-551-4, SO-392

**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

H320-Eye damage/Irritation: 2B

##### PHYSICAL HAZARDS

H290-Corrosive to Metals: 1

H272- oxidizer: 3

#### Pictograms or Hazard symbols and Hazard statement.



Warning: Causes skin irritation.  
Causes eye irritation.



Warning: May be corrosive to metals



Warning: May intensify fire; oxidizer

### 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

H320

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

**P337+P313**-If eye irritation persists: Get medical advice/attention.

H290

**P234**-Keep only in original container.

**P390**-Absorb spillage to prevent material damage.

**P406**-store in corrosive resistant container with a resistant inner liner.

H272

**P210**-keep away from heat

**P220**-Keep/store away from clothing and from combustible materials

**P221**-Take any precaution to avoid mixing with combustibles

**P280**-Wear protective gloves, eye protection and face protection.

**P370+P378**-In case of fire (see section 5)

**P501**-Dispose of contents and container in accordance with local, regional, national and international regulations.

**WARNING! Causes skin irritation. Causes eye irritation.** Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. **May be corrosive to metal!** Keep in original container. **Oxidizer!** Keep away from heat and combustible materials.

### Section 3 - Composition, Information on Ingredients

| CAS#       | Chemical Name | Percent |
|------------|---------------|---------|
| 10450-60-9 | Periodic Acid | 1.0 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:** N/A  
**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:** Heat.  
**Incompatibilities with Other Materials:** Reactive with reducing agents, combustible materials, organic materials, metals and alkalis.  
**Hazardous Decomposition Products:** Not available.  
**Hazardous Polymerization:** Will not occur.

#### Section 11 - Toxicological Information

**RTECS#:**

**LD50/LC50:**

CAS# 10450-60-9: not available

**Carcinogenicity:**

CAS# 10450-60-9: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

#### Section 12 - Ecological Information

**Ecotoxicity:**

**CAS#** 10450-60-9

**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

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| Section 15 - Regulatory Information |
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**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:**

- R8 Contact with combustible material may cause fire
- R22 Harmful if swallowed
- R36/37/38 Irritating to eyes, respiratory system and skin

**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.

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| Section 16 - Additional Information |
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**MSDS Creation Date:** 10/15/12

**Revision #1. 8/19/13 CF**

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