

SAFETY DATA SHEET

PERIODIC ACID, 0.5% AQUEOUS

Section 1 - Chemical Product and Company Identification

SDS Name: Periodic Acid, 0.5% Aqueous

Catalog Numbers: A-117-1, E-312-3, F-355-4, F-356-3, F-396-1, K-672-3, SO-391, MX-104-2 & M-100-1

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

Pictograms or Hazard symbols and Hazard statement.



Warning: Causes skin irritation.
Causes serious eye irritation.

Precautionary Statement

P264 Wash thoroughly after handling.

P280 Wear protective gloves, clothing, and eye and face protection.

P302 + P352 IF ON SKIN, wash with plenty of water.

P332 + P313 If skin irritation occurs, get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

Section 3 - Composition, Information on Ingredients

| CAS# | Chemical Name | Percent |
|------------|---------------|---------|
| 10450-60-9 | Periodic Acid | 0.5 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: 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#:

Routes of Entry:

Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

LD50/LC50:

CAS# 10450-60-9: not available

Carcinogenicity:

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

Other Toxic Effects on Humans:

Very hazardous in case of skin contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (corrosive, permeator), of eye contact (corrosive).

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

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:

- 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.

Section 16 - Additional Information

MSDS Creation Date: 10/15/12

Revision #1. 8/19/13 CF

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