

Safety Data Sheet

PHOSPHOMOLYBDIC ACID

Section 1 - Chemical Product and Company Identification

MSDS Name: Phosphomolybdic Acid

Catalog Numbers: SO-588

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

H313 **Acute Dermal Toxicity:** 5

H315 **Skin Corrosion/ Skin Irritation:** 2

H319 **Eye Damage/ Irritation:** 2A

Physical Hazards

H272 Oxidizing solid

Environmental Hazards

Acute Aquatic Environmental Hazards: Not Classified

Chronic Environmental Hazards: Not Classified

Pictograms or Hazard Symbols and Hazard Statement



Warning: May be harmful if swallowed.



Warning: May intensify fire: Oxidizer



Warning: Cause skin irritation.
Cause serious eye irritation.

Precautionary Statement Prevention

H303

P312 Call a physician if you feel unwell.

H313

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

H315

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

H319

P264 Wash thoroughly after handling.

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.

H272

P201 Obtain special instructions before use.

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

P210 Keep away from heat, flames and hot surfaces. No smoking.

P220 Store away from combustible materials.

P221 Take any precaution to avoid mixing with combustibles.

P233 Keep container tightly closed.

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
51429-74-4	Phosphomolybdic Acid	100

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

NFPA HEALTH **2** 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. Water may be ineffective in fighting fire. Use water spray to keep for exposed containers cool.

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

Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. In case insufficient ventilation, wear suitable respiratory equipment. Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Mechanical exhaust

Personal Protective Equipment:

Other: Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

Section 9 - Physical and Chemical Properties

Physical State: Solid (Powdered solid. Crystals solid.)

Odor: Odorless

Molecular Weight: 3020.74 g/mole

Chemical Formula: Mo₂₀O₆₅P₂.xH₂O

Color: Yellow

Melting Point: 80 deg. C

Specific Gravity: 3.2

Boiling Point: Decompose

Solubility: Easy soluble in cold water.

Section 10 - Stability and Reactivity

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

Hazardous Decomposition Products: not known

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

CAS# 51429-74-4

LD50/LC50:

Not available.

Carcinogenicity:

CAS# 51429-74-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Section 12 - Ecological Information

Ecotoxicity:

Not 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 waste facility.

Section 14 – Transport Information

DOT

Class 5.1: Oxidizing material

Identification: Oxidizing solid, corrosive, n.o.s. (Phosphomolybdic Acid)

Un3085

PG: III

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:

R/21/22 Harmful in contact with skin and if swallowed

R36/38 Irritating to eyes and skin

Safety Phrases:

S3/7/9 Keep container closed in a cool, well-ventilated place

S24/25 Avoid contact with skin and eyes

S20/21 When using do not eat, drink or smoke

S2 Keep out of the reach of children.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28 After contact with skin, wash immediately with plenty of soap and water

S37/39 Wear suitable gloves and eye/face protection

Section 16 - Additional Information

MSDS Creation Date: 1/8/2010

Revision #1 RC 12/2/14

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.