

PROTARGOL, 1% AQUEOUS

Section 1 - Chemical Product and Company Identification

SDS Name: Protargol, 1% Aqueous

Catalog Numbers: C-201-2, K-693-1, SO-727

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

H302-Acute Oral Toxicity: 4

H312-Acute Dermal Toxicity: 4

H332-Acute Inhalation toxicity: 4

H320-Eye damage/Irritation: 2B

Specific Target Organ Toxicity RE: Eyes, respiratory system, blood, kidneys, liver, reproductive system, hematopoietic system.

PHYSICAL HAZARDS

ENVIRONMENTAL HAZARD



May cause damage to organs through prolonged or repeated exposure.
Kidney, liver, reproductive system.



Harmful if swallowed.
Harmful in contact with skin.
Harmful if inhaled.
May cause eye irritation.

Precautionary Statement Prevention

H302

P264 Wash thoroughly after handling.

P270 Do not eat, drink, or smoke when using this product.

P301 + P312 If swallowed, call a physician if you feel unwell.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

P330 Rinse mouth.

H312

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

P302 + P352 If on skin, wash with plenty of water. Remove contact lenses if present and easy to do so. Continue rinsing.

P312 Call a physician if you feel unwell

P361 + P363 Take off immediately all contaminated clothing and wash it before reuse.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

H332

P261 Avoid breathing fumes/mist/vapors.

P304 + P340 If inhaled, remove person to fresh air and keep comfortable for breathing.

1 Use only outdoors or in a well-ventilated area.

P312 Call a physician if you feel unwell.

H320

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.

WARNING! Harmful if swallowed. Do not eat, drink or smoke when using this product. **Harmful if inhaled.** Do not breathe vapor use with adequate ventilation. **Harmful in contact with skin. May cause eye irritation. May cause damage to organs through prolonged or repeated exposure.** Wash thoroughly after handling.

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
9015-51-4	Silver protein	1w/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 swallowed, wash out mouth with water provided person is conscious. Call a physician.

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.

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

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

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: Liquid
Appearance: Tang color.

Vapor Pressure: N/A
Vapor Density: N/A
Evaporation Rate: N/A
Viscosity: N/A
Boiling Point: N/A
Freezing/Melting Point: N/A
Decomposition Temperature: N/A
Solubility: Soluble.
Specific Gravity/Density: N/A

Section 10 - Stability and Reactivity

Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Hazardous Decomposition Products: Will not occur.

Hazardous Polymerization: Will not occur.

Incompatibilities with other materials: Reactive with metals and acids.

Section 11 - Toxicological Information

Route of exposure:

Multiple routes: Cause irritation. May be harmful by inhalation, ingestion, or skin absorption. Warning: Suspected of causing cancer.

Conditions aggravated by exposure:

The toxicological properties have not been thoroughly investigated.

--

Section 12 - Ecological Information

No data 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

Non-Regulated

Section 15 - Regulatory Information

Risk and Safety phrases

R36/38 Irritating to eyes and respiratory system

S2 Keep out of the reach of children

US Classification and label test

US Statements: Caution! Irritant to skin and eyes.

United States Regulatory Information

SARA Listed: No

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.

DSL: no

NDSL: no

Section 16 - Additional Information

MSDS Creation Date: May 11, 2012

Revision # 1 1/29/2014 YM co-sign RC

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.