

# SAFETY DATA SHEET

## GOLD CHLORIDE 2% AQUEOUS

### Section 1 - Chemical Product and Company Identification

**SDS Name:** Gold Chloride 2% Aqueous

**Catalog Numbers:** SO-655

**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

H332-Acute Inhalation toxicity: 4

H315-Skin Corrosion/Skin Irritation: 2

H320-Eye damage/Irritation: 2B

H371-Specific Target Organ Toxicity: 2

### PHYSICAL HAZARDS

H290-Corrosive to Metals: 1

### ENVIRONMENTAL HAZARDS

**Aquatic acute environmental Hazards:** Not classified

**Chronic environmental Hazards:** Not classified

**Pictograms or Hazard symbols and Hazard statement.**



Warning: Harmful if swallowed.



Warning: Causes eye irritation



Warning: Causes skin irritation.  
Harmful in contact with skin.



Warning: May be corrosive to metal.

**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.

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.

H315

**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.

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

**P362** Take off contaminated clothing and wash before reuse.

### 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.

### H371

**P260** Do not breathe fume/gas/mist/vapors.

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

**P309+P311** IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

**WARNING! Harmful in contact with skin. Causes skin irritation. Harmful if swallowed. Causes eye irritation.** Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. **May be corrosive to metals.** Target organs affected for **CAS#16903-35-8** if swallowed may cause burns to mouth, stomach and gastrointestinal tract, if inhaled may cause irritation of respiratory tract and may cause damage to eyes. Keep only in original container.

## Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
16903-35-8	Gold Chloride Concentrate	2 v/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: 1; 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. Avoid contact with skin and eyes. Store capped at room temperature. Keep away from incompatible materials. Avoid contact with skin and eyes.

## 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

**P Physical State:** Liquid

**Appearance:** Light Amber

**pH:** N/A

**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:** heat, reactive with oxidizing agents.

## Section 11 - Toxicological Information

**RTECS#:**

**LD50/LC50:**

CAS# 16903-35-8 Oral LD50 (rabbit): 900mg/kg.

**Carcinogenicity:**

CAS# 16903-35-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Route of exposure:**

Avoid all routes of exposure including contact and inhalation.

**Conditions aggravated by exposure:**

The toxicological properties have not been thoroughly investigated

## Section 12 - Ecological Information

**Ecotoxicity:**

Not enough information available.

**CAS# 16903-35-8** Gold Chloride concentrate is toxic to aquatic life.

Products of Biodegradation: Possible hazardous short term degradation products are not likely. However, long term degradation products may arise.

## 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**

**R21/22** Harmful in contact with skin and if swallowed

**S2** Keep out of the reach of children

**S24/25** Avoid contact with skin and eyes

**S37/39** Wear suitable gloves and eye/face protection

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 SDS contains all the information required by the CPR.

DSL: no

NDSL: no

## Section 16 - Additional Information

**MSDS Creation Date:** 10/15/12

**Revision #1.** 5/2/14 YM-Co-sign RC

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