SAFETY DATA SHEET
GOLD CHLORIDE 10% AQUEOUS

Section 1 - Chemical Product and Company Identification

**SDS Name:** Gold Chloride 10% Aqueous  
**Catalog Numbers:** SO-560  
**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

**ENVIRONMETAL 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 o 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

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>16903-35-8</td>
<td>Gold Chloride Concentrate</td>
<td>10 v/v</td>
</tr>
<tr>
<td>7732-18-5</td>
<td>Water</td>
<td>balance</td>
</tr>
</tbody>
</table>

### 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 wasted 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

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