

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Gold Chloride Solution, 0.1%

**SYNONYMS:** Gold chloride solution

**CATALOG CODES:** VGO  
**MANUFACTURER:** Volu-Sol  
**ADDRESS:** 5095 West 2100 South  
 Salt Lake City, UT 84120

**EMERGENCY PHONE:** (800) 535-5053  
**OTHER CALLS:** (801) 974-9474  
**FAX:** (801) 974-9553

**CHEMICAL FAMILY:** -  
**CHEMICAL FORMULA:** -  
**PREPARED BY:** Volu-Sol

**RECOMMENDED USE:** Laboratory chemicals

**RESTRICTIONS ON USE:** Use as recommended

## SECTION 2: HAZARD(S) IDENTIFICATION

## EMERGENCY OVERVIEW:

**GHS Classification:** Skin sensitisation (Category 1)

## GHS LABEL ELEMENTS:



**Pictogram:** **Signal Word:** Warning

**Hazard Statement(s):**  
 H317 May cause an allergic skin reaction

**Precautionary Statement(s):**  
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray  
 P272 Contaminated work clothing should not be allowed out of the workplace  
 P280 Wear protective gloves/ eye protection/ face protection  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water  
 P321 Specific treatment (see supplemental first aid instructions on this label)  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention  
 P363 Wash contaminated clothing before reuse  
 P501 Dispose of contents/ container to an approved waste disposal plant

**OTHER HAZARDS:** May produce an allergic reaction

## HMIS Classification:

**Health hazard:** 0  
**Chronic health hazard:** -  
**Flammability:** 0  
**Physical hazards:** 0

## NFPA Rating:

**Health hazard:** 0  
**Fire:** 0  
**Reactivity Hazard:** 0

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO. EC-NO. Index-NO.
No ingredients are hazardous according to OSHA criteria. No components need to be disclosed according to the applicable regulations.	

## SECTION 4: FIRST AID MEASURES

**INHALATION:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician

**INGESTION:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

**SKIN:** Wash off with soap and plenty of water. Consult a physician

**EYE:** Flush eyes with water as a precaution

## SECTION 5: FIRE-FIGHTING MEASURES

**FLAMMABLE LIMITS IN AIR:** **Percentage by Volume**  
 Upper: %  
 Lower: %

**FLASH POINT:** -

**AUTOIGNITION TEMPERATURE:**

**EXTINGUISHING MEDIA:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

**FIRE FIGHTING PROCEDURES:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode

**FIRE AND EXPLOSION HAZARDS:** Use water spray to cool unopened containers

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Do not let product enter drains. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal

## SECTION 7: HANDLING AND STORAGE

**HANDLING AND STORAGE:** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage

**INCOMPATIBILITIES:** -

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**EXPOSURE LIMITS:** Reported in a time-weighted average (TWA)

Component	CAS-No.	OSHA		ACGIH	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Contains no substances with occupational exposure limit values					

**VENTILATION SYSTEM:** Local and/or general exhaust is recommended to keep exposure below limits. Local exhaust ventilation is preferred for control of the emissions at its source, preventing dispersion into the general work area. Please refer to the ACGIH document, *Industrial Ventilation: A Manual of Recommended Practices*, for details

**PERSONAL RESPIRATORS:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**SKIN PROTECTION:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**EYE PROTECTION:** Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** liquid  
**ODOR:** -  
**SOLUBILITY:** -  
**pH:** -  
**BOILING POINT:** -  
**MELTING POINT:** -  
**VAPOR PRESSURE:** -  
**DENSITY:** -  
**VISCOSITY:** -  
**REFRACTIVE INDEX:** -

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**SECTION 10: STABILITY AND REACTIVITY**

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**CHEMICAL STABILITY:** Stable under recommended conditions of use and storage

**CONDITIONS TO AVOID:** No data available

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** No data available

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**TOXICOLOGICAL INFORMATION:**

**Acute Toxicity:** No data available

**Skin/Eye Irritation:** No data available

**Carcinogenicity:**

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by IARC.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by OSHA.

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**SECTION 12: ECOLOGICAL INFORMATION**

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**ECOLOGICAL INFORMATION:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Toxicity:** No data available

**Persistence and degradability:** No data available

**Mobility in soil:** No data available

**PBT/vPvB Results:** No data available

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**WASTE DISPOSAL METHOD:** Offer surplus and non-recyclable solutions to a licensed disposal company

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**SECTION 14: TRANSPORT INFORMATION**

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US DOT	IATA	IMDG/IMO
Not dangerous goods		

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**SECTION 15: REGULATORY INFORMATION**

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SARA 302	-
SARA 313	-
SARA 311/312 Hazards	-
State	Right to know lists: MA: PA: 7732-18-5 NJ: 7732-18-5 California Prop. 65 Components:

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**SECTION 16: OTHER INFORMATION**

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