

# MSDS

# Material Safety Data Sheet



1403 Herkimer Street  
Joliet, IL 60432-1059  
(877) EKI-CHEM  
(815) 723-4000  
[www.eki-chem.com](http://www.eki-chem.com)

24 HOUR EMERGENCY  
TELEPHONE NUMBER  
**CALL CHEMTREC**  
1-800-424-9300

## Gold Chloride Solution, 1% w/v

### SECTION 1 PRODUCT IDENTIFICATION

NAME: Gold Chloride Solution, 1% w/v

EKI ORDER NUMBER: 4561

SYNONYMS: N/I

CAS NO: Does not apply

FORMULA: Does not apply

REVISION DATE: 19 April 2004

#### \*\*\*\*\*LABEL HAZARD STATEMENT AND PRECAUTIONS\*\*\*\*\*

CAUTION! MAY CAUSE IRRITATION. MAY BE HARMFUL IF SWALLOWED. Avoid contact with skin, eyes and clothing. Avoid breathing mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

### SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

INGREDIENT/CAS NO	OSHA PEL	ACGIH TLV
Gold Chloride, Trihydrate/16903-35-8	N/E	N/E

### SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: Miscible

BOILING POINT (C): N/I

VAPOR PRESSURE (mm Hg): N/I

VAPOR DENSITY: N/I

SPECIFIC GRAVITY: N/I

MELTING POINT (C): N/I

EVAPORATION RATE: N/I

APPEARANCE AND ODOR: Clear, yellow liquid. Odorless.

### SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT (C): Not combustible

AUTOIGNITION TEMPERATURE (C): Does not apply

FLAMMABLE LIMITS (%) UEL: Does not apply LEL: Does not apply

EXTINGUISHING MEDIA: Suitable for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive-pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/I

---

## SECTION 5 REACTIVITY DATA

---

STABILITY: Stable  
CONDITIONS TO AVOID: Excessive heat  
MATERIALS TO AVOID: N/I  
HAZARDOUS DECOMPOSITION PRODUCTS: N/I  
HAZARDOUS POLYMERIZATION: Does not occur.

---

## SECTION 6 HEALTH HAZARD DATA

---

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE:  
INHALATION: May cause respiratory tract irritation.  
SKIN CONTACT: May cause irritation.  
EYE CONTACT: May cause irritation.  
SKIN ABSORPTION: N/I  
INGESTION: May cause G.I. irritation.  
CHRONIC: May cause irritation.  
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/I  
CARCINOGENICITY: None

\*\*\*\*FIRST AID PROCEDURES\*\*\*\*

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes. Get medical attention.  
SKIN CONTACT: Immediately flush with plenty of water for at least 15 minutes.  
INHALATION: Remove to fresh air. Get medical attention for any breathing difficulty.  
INGESTION: If conscious, give large quantities of water to drink.

---

## SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

---

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Absorb with inert material and containerize for disposal.  
WASTE DISPOSAL METHOD: Dispose in accordance with all applicable federal, state, and local environmental regulations.  
STORAGE: Store tightly closed in a cool place, out of direct sunlight.

---

## SECTION 8 CONTROL MEASURES

---

VENTILATION: Local or general  
RESPIRATORY PROTECTION: Half-face mist respirator, if necessary.  
EYE PROTECTION: Chemical splash safety goggles and/or full face shield.  
SKIN PROTECTION: Gloves, lab coat and impervious apron.

E K INDUSTRIES, INC. MAKES NO REPRESENTATION AS TO THE COMPREHENSIVENESS OR ACCURACY OF THIS INFORMATION. INDIVIDUALS RECEIVING THIS INFORMATION MUST EXERCISE THEIR INDEPENDENT JUDGMENT IN DETERMINING ITS APPROPRIATENESS FOR A PARTICULAR PURPOSE. ACCORDINGLY, E K INDUSTRIES, INC. WILL NOT BE RESPONSIBLE FOR DAMAGES OF ANY KIND OR NATURE RESULTING FROM THE USE OF ANY SUCH INFORMATION. NO REPRESENTATIONS OR WARRANTIES OF ANY KIND OR NATURE, INCLUDING BUT NOT LIMITED TO: EXPRESS WARRANTIES, IMPLIED WARRANTIES OF MERCHANTABILITY, OR WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE, ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR TO THE PRODUCT TO WHICH THE INFORMATION REFERS.