

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Trade name (as labeled) Gold Chloride Solution, 0.5% aqueous
Chemical names, common names Acid gold chloride, chloroauric acid

Manufacturer's name TRANSENE COMPANY INC.

Address ROUTE ONE

Name of Preparer:

Emergency phone (508)-948-2501

Date prepared: FEBRUARY 20, 1990

II. HAZARDOUS INGREDIENTS

Chemical Names	CAS Numbers	Percent	Exposure Limits
Chloroauric Acid H AuCl ₄	16903-35-8	1%	TLV = 7 mg/M ³ as (HCl)AC LD = 1.5 g/kg (mice)

The remainder of this product is non-hazardous.

III. PHYSICAL PROPERTIES

Vapor density (air=1) N.A. Melting point or range, F N.A.
Specific gravity N.D. Boiling point or range, F N.D.
Solubility in water Very soluble
Vapor pressure, mmHg at 20 C N.A.
Evaporation rate (butyl acetate = 1) N.A.
Appearance and odor Golden to reddish-orange solution; hydrochloric acid odor.

IV. FIRE AND EXPLOSION

Flash Point, F (give method) N.A. (Does not burn.)
Autoignition temperature, F N.A.
Flammable limits in air, volume %: lower N.A. upper N.A.
Fire extinguishing materials:

☒ water spray ☒ carbon dioxide ☐ other:
☒ foam ☐ dry chemical

Special firefighting procedures: If material is involved in a fire area wear a self-contained breathing apparatus (positive pressure) and protective clothing due to possible hydrogen chloride from thermal decomposition.
Unusual fire and explosion hazards:

None

FOR CHEMICAL EMERGENCY
SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT

CALL CHEMTREC - DAY OR NIGHT

----- V. HEALTH HAZARD INFORMATION -----
SYMPTOMS OF OVEREXPOSURE for each potential route of exposure.

Inhaled: Coughing, sneezing, irritation and burning of the nose and upper respiratory tract.

Contact with skin or eyes: Irritation, burning.

Absorbed through skin: No.

Swallowed: Burning of the digestive tract, nausea, vomiting.

HEALTH EFFECTS OR RISKS FROM EXPOSURE. Explain in lay terms. Attach extra page if more space is needed.

~~Acute:~~ Severe irritation, skin discoloration, with hives and rashes.
Damage to blood forming organs (aplastic anemia).

~~Chronic:~~

FIRST AID: EMERGENCY PROCEDURES

Eye contact: Flood with water 15 minutes or longer (under lids). Get medical attention.

Skin contact: Wash thoroughly with soap and water. Remove contaminated clothing and shoes. Seek medical attention.

Inhaled: Remove to fresh air. Maintain respiration. Seek medical attention.

Swallowed: Keep victim calm and warm. Call physician and poison control center immediately. DO NOT induce vomiting because material is corrosive.

SUSPECTED CANCER AGENT?

X NO.

___ YES:

----- VI. REACTIVITY DATA -----

Stability: X Stable ___ Unstable

Conditions to avoid: Excessive heat and light.

Incompatibility (materials to avoid): Metals, alkalis.

Hazardous decomposition products (including combustion products): Hydrochloric acid gas.

Hazardous polymerization: ___ May occur X Will not occur

Conditions to avoid: None

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----- VII. SPILL, LEAK AND DISPOSAL PROCEDURES -----

Spill response procedures (include employee protection measures):
Absorb spill with inert material and collect into sealed plastic containers.

NOTE: Dispose of all wastes in accordance with Federal, State and Local regulations.

----- VIII. SPECIAL HANDLING INFORMATION -----

Ventilation and engineering controls: Local exhaust.

Respiratory protection: In a spill, use a NIOSH approved respirator.

Eye protection (type): Safety glasses with side shields.

Gloves (specify material): Rubber.

Other clothing and equipment: Rubber apron is optional.

Work practices, hygienic practices: Wash thoroughly after handling and before eating or smoking.

Other handling and storage requirements:

Store in a cool, dry place.

Keep container tightly closed and away from light food products and combustibles.