



Safety Data Sheet

Review Date: 4-April-2025

Section 1 - Chemical Product and Company Identification

Product Name Gold Chloride Hydrate (Tetrachloroauric Acid) ultrapure, 99.99%, ~49% Au
Product Code B-00314
CAS No 16961-25-4
Use for Laboratory Chemicals.
Company Name Bio-Chem Chemicals
Address 5455, Nicholson Road Science Market , Ambala Cantt.133001 Haryana(India)

Section 2 - Composition/Information on Ingredients

CAS#	Product Name	%	Einecs#
16961-25-4	Gold Chloride Hydrate (Tetrachloroauric Acid)	99.99	240-948-4

No Components need to be Disclosed according to the applicable regulations

Section 3 - Hazards Identification

Risk advice to man and the environment (Haz)

Toxic if swallowed .Very toxic in contact with skin.

Irritating to eyes ,respiratory system and skin.

Section 4 - First Aid Measures

Eyes : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin :Wash off with soap and plenty of water. Take victim immediately to hospital.

Consult a physician.

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

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

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

Notes to physician:

Section 5 - Fire Fighting Measures

Extinguishing Media

Suitable: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective

Equipment For Firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 - Accidental Release Measures

Personal precautions: Use personal protective equipment. Avoid dust formation. avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Method for cleaning up : Pick up and arrange disposal without creating dust Keep in suitable ,closed containers for disposal.

Section 7 - Handling and Storage

Handling: Avoid Contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures For preventive fire protection.

Storage: Room Temperature .Keep container tightly closed in dry and well ventilated place .

Section 8 - Exposure Control / Personal Protection

Personal Protective Equipment

Respiratory protection : Where the risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type (EN 143) respirator cartridges as a back up 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).

Hand Protection: The selected protective gloves have to satisfy the specification of EU Directive 89/686/EEC and the standard EN 374 derived from it Handle with gloves.

Eye Protection: Safety glasses

Skin and body protection : Choose the body protection according to the amount and concentration of dangerous substance at the work place .

Hygiene measures : Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the Product.

Section 9 - Physical and Chemical Properties

Physical State: Powder
Molecular Formula: $\text{HAuCl}_4 \cdot x\text{H}_2\text{O}$
Molecular Weight: 339.79

Section 10 - Stability and Reactivity

Storage stability : Stable under recommended storage conditions.

Material to avoid :

Hazardous decomposition
products formed under fire
condition:- chlorine gas, hydrogen chloride and metallic gold

Section 11 - Toxicological Information

Acute toxicity : No data available
 Irritation and corrosion : No data available
 Sensitisation : No data available
 chronic exposure : IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable ,possible or confirmed human carcinogen by IARC.

Sings And Symptoms

of Exposure: No data available

Route of Exposure

Inhalation : No data available

Skin: No data available

Eyes: No data available

Ingestion : No data available

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

Product : Observe all federal, state, and local environmental regulation. Contact a licensed professional waste service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging : Dispose of us unused product.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping name:	Corrosive solid, acidic, inorganic, n.o.s. (Tetrachloroauric acid trihydrate)		
Hazards Class:	8	8	8
Un Number:	3260	3260	3260
Packing Group :	II	II	II

Section 15 - Regulatory Information

This safety datasheet complies with the requirements of Regulation(EC) No 1907/2006