



Material Safety Data Sheet

Section 1: Chemical Product and Company Identification

Product Name: Gold Potassium (III) Chloride
CAS No: 13682-61-6
Chemical Formula: K(AuCl₄)

Contact Information:
Bangalore Refinery Private Limited
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Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
13682-61-6	Gold Potassium (III) Chloride	99.9

Section 3 - Hazards Identification

Potential Health Effects

Eye: Causes eye burns and irritation.

Skin: May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. May cause severe irritation and possible burns.

Ingestion: Harmful if swallowed. May cause severe gastrointestinal tract irritation with nausea, vomiting and possible burns.

Inhalation: May cause allergic respiratory reaction. May cause severe respiratory tract irritation. May cause asthma and shortness of breath.

Section 4 - First Aid Measures

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately.

Skin: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

Ingestion: If swallowed, do NOT induce vomiting. Get medical aid immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire and Explosion Data

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

Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment . Avoid dust formation. Ensure adequate ventilation

Environmental precautions : Do not discharge into drains or rivers. Prevent further leakage or spillage if safe to do so.

Section 7 - Handling and Storage

Handling: Ensure there is sufficient ventilation of the area. Avoid contact with skin and eyes.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: 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: Splash goggles. Lab coat. Vapour and dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Skin: Wear appropriate gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Section 9 - Physical and Chemical Properties

Physical State: Powder

Molecular Formula : $K(AuCl_4)$

Molecular Weight : 377.88

Odor: none reported

pH: Not available.

Vapor Pressure: Negligible.

Vapor Density: Not available.

Evaporation Rate: Negligible.

Other Information : Not available

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal condition.

Conditions to Avoid: Heat, confined spaces

Material to Avoid: Hazardous decomposition products formed under fire condition : Hydrogen chloride gas and Potassium oxides.

Section 11 - Toxicological Information

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately.

Skin: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

Ingestion: If swallowed, do NOT induce vomiting. Get medical aid immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: Treat symptomatically and supportively.

Section 12 - Ecological Information

Toxicity : Not Available

Persistence and degradability : Not Available

Mobility in Soil : Readily absorbed into soil.

Other adverse effects : Not Available

Section 13 - Disposal Considerations

Waste treatment methods

Disposal Operations

Observe all federal, state and local environmental regulation. Contact a licensed professional waste service to dispose of this material.

Transfer to a suitable container and arrange for collection by specialised disposal company.

Section 14 - Transport Information

UN number :

Shipping Name: SOLID

Hazard Class: 6.1

Packing Group: III

Section 15 - Regulatory Information

Protective Equipment: Lab coat Safety glasses (Splash Glass)

Section 16 - Additional Information

References: Not available.

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