



Material Safety Data Sheet

Section 1: Chemical Product and Company Identification

Product Name: Chloro-Auric Acid
CAS No: 27988-77-8
Chemical Formula: H₂AuCl₄

Contact Information:

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

CAS#	Chemical Name	Percent
27988-77-8	Chloro-Auric Acid	99

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

Flash Point: Not applicable.

Autoignition Temperature: Not applicable.

Explosion Limits, Lower: Corrosive. In Combustion emits toxic fumes.

Upper: Not available.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment

Environmental precautions : Do not discharge into drains or rivers.

Section 7 - Handling and Storage

Handling: Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread through air. Avoid direct contact with the substance.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture. Store protected from heat and direct sunlight. Keep container tightly closed. Avoid contact with water or humidity.

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

Appearance: Yellow Powder

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

Incompatibilities with Other Materials: Metals, strong Acids, Strong oxidising agents

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 Applicable

Persistence and degradability : Biodegradable.

Mobility in Soil : readily absorbed into soil.

Other adverse effects : Negligible ecotoxicity.

Section 13 - Disposal Considerations

Waste treatment methods

Disposal Operations

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

User attention is to be drawn to the possible existence of regional or national regulations regarding disposal

Section 14 - Transport Information

UN number : UN3260

Shipping Name: Chloro – Auric acid , SOLID

Hazard Class: 8

Packing Group: II

Section 15 - Regulatory Information

Protective Equipment: Lab coat Safety glasses (Splash Glass)

Section 16 - Additional Information

References: Not available.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Bangalore Refinery Pvt Ltd. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Bangalore Refinery Pvt Ltd. has been advised of the possibility of such damages.