



MATERIAL SAFETY DATA SHEET

Manufacturer: Prochem, Inc.
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Rockford, IL 61109

Prochem Customer Service
CHEMTREC (Emergency Only)
Poison Center

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SECTION 1: Product Identification

Chemical Name: Gold (III) chloride, 99% (99.9%-Au)
Product Number: 93-7907
CAS Registry Number: 13453-07-1
Formula: AuCl₃
EINECS Number: 231-623-1
Chemical Family: metal halide
Synonym: Auric trichloride

SECTION 2: Composition and Information on Ingredients

Ingredient	CAS Number	Percent	ACGIH (TWA)	OSHA (PEL)
Title Compound	13453-07-1	100	no data	no data

SECTION 3: Hazards Identification

Emergency Overview: Irritating to skin, eyes and respiratory tract. Exposure to gold compounds may damage kidney function and reduce blood cell count.

Primary Routes of Exposure: Ingestion, inhalation, skin, eyes

Eye Contact: Causes severe irritation to the eyes.

Skin Contact: Causes severe irritation of the skin.

Inhalation: Inhalation of choking fumes results in severe irritation of the respiratory tract, chemical pneumonitis and pulmonary edema.

Ingestion: May cause burns to the gastrointestinal system. Gold compounds may lead to dermatitis, metallic taste, and convulsions.

Acute Health Effects: Irritating to skin, eyes and respiratory tract. May cause impairment of kidney and bone marrow function, abdominal cramps, vomiting, bloody diarrhea, weakness, and convulsions.

Chronic Health Effects: Prolonged exposure to gold compounds may lead to reduced red and white blood cell generation.

NTP: No

IARC: No

OSHA: No

SECTION 4: First Aid Measures

Eye Exposure: Immediately flush the eyes with copious amounts of water for at least 10-15 minutes. A victim may need assistance in keeping their eye lids open. Get immediate medical attention.

Skin Exposure: Wash the affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

Inhalation: Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

Ingestion: Seek medical attention immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.