

Material Safety Data Sheet

NFPA



HMIS

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(0)

Personal Protective Equipment







See Section 15.

Section 1. Chemical Product and Company Identification

Common Name/ **Trade Name**

Mustard Test 1

Manufacturer

HazTech Systems, Inc.

P.O. Box 929

Mariposa, CA 95338

Commercial Name(s)

Not available.

Synonym

Not available.

Chemical Name

Not available.

Chemical Family

Not available.

Chemical Formula

HAuCl4.3H2O

Supplier

SPECTRUM CHEMICAL MFG. CORP. 14422 S. SAN PEDRO STREET

GARDENA, CA 90248

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RE2144 Catalog

Number(s).

CAS# 16961-25-4

RTECS

MD5420000

TSCA

TSCA 8(b) inventory: Gold

chloride

CI#

Not available.

IN CASE OF EMERGENCY CHEMTREC (24hr) 800-424-9300

CALL (310) 516-8000

Section 2. Composition and Information on Ingredients

Exposure Limits

Name	CAS#	TWA (mg/m³)	STEL (mg/m³)	CEIL (mg/m³)	% by Weight
1) Gold chloride	16961-25-4				100

Toxicological Data on Ingredients

Gold chloride

LD50: Not available.

LC50: Not available.

Section 3. Hazards Identification

Potential Acute Health Effects Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching,

scaling, reddening, or, occasionally, blistering.

Potential Chronic Health

Effects

Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. **DEVELOPMENTAL TOXICITY**: Not available.

Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.



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Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes,

keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin

with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and (Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.

Serious Skin Contact Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical

attention.

Inhalation Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation Not available.

Ingestion Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not

breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion Not available.

Section 5. Fire and Explosion Data

Flammability of the Product Non-flammable.

Auto-Ignition Temperature Not applicable.

Flash Points Not applicable.

Flammable Limits Not applicable.

Products of Combustion Not available.

Fire Hazards in Presence of

Various Substances

Not applicable.

Explosion Hazards in Presence

of Various Substances

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media

and Instructions

Not applicable.

Special Remarks on

Fire Hazards

Not available.

Special Remarks on Explosion

Hazards

Not available.

Section 6. Accidental Release Measures

Small Spill Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by

spreading water on the contaminated surface and dispose of according to local and regional authority

requirements.

Large Spill Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water

on the contaminated surface and allow to evacuate through the sanitary system.

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Section 7. Handling and Storage

Precautions Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell,

seek medical attention and show the label when possible. Avoid contact with skin and eyes

Storage No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be

sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.

Section 8. Exposure Controls/Personal Protection

Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels

recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to

airborne contaminants below the exposure limit.

Personal Protection Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent.

Gloves.

Personal Protection in Case

of a Large Spill

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist

BEFORE handling this product.

Exposure Limits Not available.

Section 9. Physical and Chemical Properties

Physical state and appearance Solid. (Crystalline solid.)

Odor Not available.

Molecular Weight 393.83 g/mole Taste Not available.

pH (1% soln/water) Not available. Color Yellow or brown.

Boiling Point Not available.

Melting Point Not available.

Critical Temperature Not available.

Specific Gravity 3.9 (Water = 1)

Vapor Pressure Not applicable.

Vapor Density Not available.

Volatility Not available.

Odor Threshold Not available.

Water/Oil Dist. Coeff. Not available.

Ionicity (in Water) Not available.

Dispersion Properties See solubility in water.

Solubility Soluble in cold water, hot water.

Section 10. Stability and Reactivity Data

Stability The product is stable.

Instability Temperature Not available.

Conditions of Instability Not available.

Incompatibility with various

substances

Not available.

Corrosivity Non-corrosive in presence of glass.



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Special Remarks on

Reactivity

Not available.

Special Remarks on

Corrosivity

Not available.

Polymerization

Section 11. Toxicological Information

Routes of Entry Eye contact. Inhalation. Ingestion.

No.

Toxicity to Animals LD50: Not available.

LC50: Not available.

Chronic Effects on Humans Not available.

Other Toxic Effects on

Humans

Very hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals

Not available.

Special Remarks on

Chronic Effects on Humans

Not available.

Special Remarks on other Toxic Effects on Humans

Not available.

Section 12. Ecological Information

Ecotoxicity Not available.

BOD5 and COD Not available.

Products of Biodegradation Possibly hazardous short term degradation products are not likely. However, long term degradation products may

arise

Toxicity of the Products

of Biodegradation

The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation

Not available.

Section 13. Disposal Considerations

Waste Disposal

Section 14. Transport Information

DOT Classification Not a DOT controlled material (United States).

Identification Not applicable.

Special Provisions for

Transport

Not applicable.

DOT (Pictograms)



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Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations TSCA 8(b) inventory: Gold chloride

California Proposition 65 Warnings

Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications WHMIS (Canada) CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC) R38- Irritating to skin.

R41- Risk of serious damage to eyes.

HMIS (U.S.A.)

Health Hazard	2
Fire Hazard	(0)
Reactivity	(0)
Personal Protection	(E)

National Fire Protection Association (U.S.A.)

Flammability

WHMIS (Canada) (Pictograms)





DSCL (Europe) (Pictograms)



TDG (Canada) (Pictograms)



ADR (Europe) (Pictograms)



Protective Equipment



Gloves.



Lab coat.



Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequat



Splash goggles.



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Section 16. Other Information

MSDS Code G3300

References Not available.

Other Special Considerations

Not available.

Validated by R. Turkington Verified by R. Turkington

CALL (310) 516-8000

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this proceeding combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.