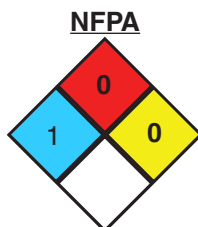


MATERIAL SAFETY DATA SHEET

Potassium Tetrachloroaurate (III)



HMIS

HEALTH	01
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	C

1. Product And Company Identification

Supplier

DF Goldsmith Chemical and Metal
909 Pitner Avenue
Evanston, IL 60202, USA

Telephone Number: 847-869-7800

FAX Number: 847-869-2531

E-mail: goldchem@aol.com

Web Site: www.dfgoldsmith.com

Manufacturer

DF Goldsmith Chemical and Metal
909 Pitner Avenue
Evanston, IL 60202, USA

Telephone Number: 847-869-7800

FAX Number: 847-869-2531

E-mail: goldchem@aol.com

Web Site: www.dfgoldsmith.com

Supplier Emergency Contacts & Phone Number

Chemtrac: 800-424-9300

Supplier Emergency Contacts & Phone Number

Chemtrac: 800-424-9300

Issue Date: 11/26/2012

Product Name: Potassium Tetrachloroaurate (III)

CAS Number: 13682-61-6

Chemical Family: Platinum

Chemical Formula: $\text{KAuCl}_4 \cdot \text{XH}_2\text{O}$

MSDS Number: 76-258

Product Code: 76-258

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
POTASSIUM TETRACHLOROAUATE (III) HYDRATE	13682-61-6	98

EMERGENCY OVERVIEW

To the best of our knowledge, this chemical, physical & toxicological properties have not been thoroughly investigated. Avoid elevated temperature. Product incompatible with mineral acids and organic reducing agents. May decompose chlorine vapors.

3. Hazards Identification

Primary Route(s) Of Entry

Eye Contact

Ingestion - possible, but considered unlikely.

Inhalation

Skin Contact

MATERIAL SAFETY DATA SHEET

Potassium Tetrachloroaurate (III)

3. Hazards Identification (cont)

Eye Hazards

Causes eye irritation.

Skin Hazards

Causes skin irritation.

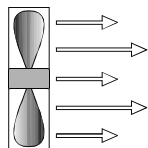
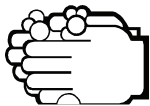
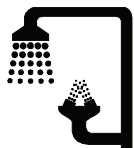
Ingestion Hazards

Harmful if swallowed.

Inhalation Hazards

Causes respiratory tract irritation.

First Aid (Pictograms)



4. First Aid Measures

Eye

Get medical attention immediately if irritation develops and persists.

Skin

Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

Ingestion

Call a physician or a poison control center immediately. DO NOT INDUCE VOMITING.

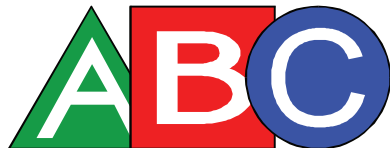
Inhalation

Remove the victim from the contaminated area while protecting yourself from exposure by wearing an appropriate respirator. Put a similar respirator on the victim if possible.

If not breathing, give artificial respiration.

Get medical attention immediately.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Extinguishing Media

Use CO₂ (Carbon Dioxide), dry chemical, or foam.

Fire Fighting Instructions

Eliminate sources of ignition.

Firefighters should wear self-contained breathing apparatus and full protective gear.

MATERIAL SAFETY DATA SHEET

Potassium Tetrachloroaurate (III)

6. Accidental Release Measures

Clean up spill immediately. Prevent release to the environment.

7. Handling and Storage

Handling And Storage Precautions

Keep containers tightly closed. Use only with adequate ventilation. Wash thoroughly after handling.

Handling Precautions

Avoid contact with skin and clothing.

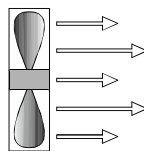
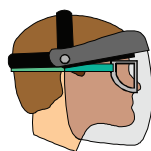
Storage Precautions

Do not store directly on ground. Store in original vented container.

Work/Hygienic Practices

Wash thoroughly after handling.

Protective Clothing (Pictograms)



8. Exposure Controls/Personal Protection

Engineering Controls

Use with adequate general and local exhaust ventilation.

Eye/Face Protection

Safety glasses with side shields or goggles recommended.

Skin Protection

Chemical-resistant gloves

Respiratory Protection

In case of inadequate ventilation, use NIOSH-approved respirator

9. Physical And Chemical Properties

Appearance

Yellow to Orange Crystalline

Odor

Characteristic odor

Chemical Type: Mixture

Physical State: Solid

Melting Point: 357 °C

Molecular Weight: 467.95

Irritant

MATERIAL SAFETY DATA SHEET

Potassium Tetrachloroaurate (III)

10. Stability And Reactivity

Stability : Stable under normal conditions
Hazardous Polymerization: Will Not Polymerize

Conditions To Avoid (Stability)

Stable under normal conditions

11. Toxicological Information

No Data Available...

12. Ecological Information

No Data Available...

13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations.

14. Transport Information

Proper Shipping Name

Non Hazardous

15. Regulatory Information

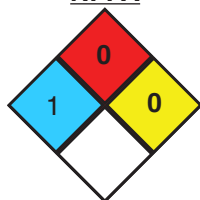
U.S. Regulatory Information

All ingredients of this product are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SARA Section 313 Notification

This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.

NFPA



HMIS

HEALTH	01
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	C

16. Other Information

NFPA Rating

Health: 3
Fire: 0
Reactivity: 2
Irritant: OX

HMIS Rating

Health: 3
Fire: 0

MATERIAL SAFETY DATA SHEET

Potassium Tetrachloroaurate (III)

Reactivity: 2

Personal Protection: J

Precautionary Label

Oxidizing and Irritant.

Revision/Preparer Information

MSDS Preparer: DF Goldsmith Chemical and Metal

MSDS Preparer Phone Number: 847-869-7800

Disclaimer

In compliance with the OSHA Hazard Communication Standard, 29 C.F.R 1910.1200, we are providing you with a Materials Safety Data Sheet (MSDS) for the hazardous material you are purchasing.

It is your responsibility to educate your employees on the safe use of the hazardous material. With this in mind, a copy should be forwarded to the supervisor of the user or to the user themselves, and copy should be retained in your files for future reference.

DF Goldsmith Chemical and Metal makes no presentation as to the accuracy of the information in the MSDS. The information is believed to be correct; however, you (the customer), should perform your own investigation and independent verification. If you resell the product, you are responsible to forward the information in the MSDS to your customer.