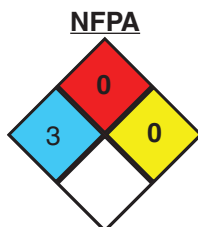


# MATERIAL SAFETY DATA SHEET

## Gold (III) Bromide



**HMIS**

HEALTH	2
FLAMMABILITY	0
REACTIVITY	1
PERSONAL PROTECTION	J

### 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:** 12/30/2010

**Product Name:** Gold (III) Bromide

**CAS Number:** 10294-28-7

**Chemical Family:** Group 1B Metal Salt

**Chemical Formula:** AuBr<sub>3</sub>

**MSDS Number:** 79-128

**Product Code:** 79-128

### 2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
Gold (III) Bromide	10294-28-7	98-100

### EMERGENCY OVERVIEW

**Corrosive**

### 3. Hazards Identification

**Primary Routes(s) Of Entry**

Eyes      Likely

Skin      Likely

Inhalation      Likely

**Eye Hazards**

Strong corrosive, irritating effect.

**Skin Hazards**

Corrosive and irritating to skin and mucous membranes.

# MATERIAL SAFETY DATA SHEET

## Gold (III) Bromide

### 3. Hazards Identification (cont)

#### Ingestion Hazards

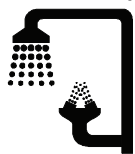
Not expected to be a problem in industry. If it does occur, may cause digestive tract irritation.

#### Inhalation Hazards

Irritating to respiratory tract.

The chemical, physical, and toxicological effects of this compound have not been thoroughly investigated.

#### First Aid (Pictograms)



### 4. First Aid Measures

#### Eye

Flush with copious amounts of water for at least 15 minutes. Seek medical attention immediately.

#### Skin

Wash with soap and water. Seek medical attention immediately.

#### Ingestion

Seek medical attention immediately.

#### Inhalation

Remove to fresh air immediately. If victim is not breathing give artificial respiration. Keep victim warm. Seek medical attention immediately.

#### Fire Fighting (Pictograms)



### 5. Fire Fighting Measures

**Flash Point:** NA °F NA °C

**Flash Point Method:** NA

**Autoignition Point:** NA °F NA °C

#### Fire And Explosion Hazards

Use proper safety equipment. The following may be released during a fire: metal oxide fume, hydrogen bromide (HBr).

#### Extinguishing Media

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

#### Fire Fighting Instructions

Use NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

# MATERIAL SAFETY DATA SHEET

## Gold (III) Bromide

### 6. Accidental Release Measures

Clean up using a neutralizing agent and place in a proper waste disposal container. Person protected with full face shield and NIOSH approved respirator and cartridge for chlorine vapor and dust. Ventilate area and wash spill site after pick up is completed.

### 7. Handling and Storage

#### Handling And Storage Precautions

Avoid contact with eyes, prolonged or repeated contact with skin. Avoid breathing dust. Use compatible chemical-resistant gloves. Wash hands thoroughly after handling.

#### Handling Precautions

Don't breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Keep away from ignition sources.

#### Storage Precautions

Store away from oxidizing agents and strong bases in a tightly sealed container in a cool, dry place.

#### Work/Hygienic Practices

Use good personal hygiene after handling.

#### Protective Clothing (Pictograms)



### 8. Exposure Controls/Personal Protection

#### Engineering Controls

Ventilation: Local Exhaust: Required in handling area  
Mechanical: Desirable to insure concentration of material below TLV/TWA levels  
Other: Closed Ventilation system (Laboratory Fume Hood)

#### Safety shower and eyewash

#### Eye/Face Protection

ANSI approved safety glasses/goggles, full face shield.

#### Skin Protection

Appropriate Rubber/Neoprene (use compatible chemical-resistant gloves)

#### Respiratory Protection

NIOSH approved chemical cartridge respirator for particulates and acid gas or self-contained breathing apparatus with full face shield.

#### Other/General Protection

Lab coat/apron, flame and chemical resistant protective clothing, eye wash, safety shower, and hygienic facilities for washing.

# MATERIAL SAFETY DATA SHEET

## Gold (III) Bromide

<b>9. Physical And Chemical Properties</b>
<b><u>Appearance</u></b> Brown granules
<b><u>Odor</u></b> NA
<b><u>Odor Threshold</u></b> NA
<b>Chemical Type:</b> Mixture <b>Physical State:</b> Solid <b>Melting Point:</b> 320 °F 160 °C <b>Boiling Point:</b> NA °F NA °C
<b>10. Stability And Reactivity</b>
<b>Stability:</b> Stable <b>Hazardous Polymerization:</b> Will not occur
<b><u>Conditions To Avoid (Stability)</u></b> Incompatible materials.
<b><u>Incompatible Materials</u></b> Oxidizing agents, bases. Gold can form explosive compounds with ammonia, ammonium hydroxide + aqua regia, and hydrogen peroxide.
<b><u>Hazardous Decomposition Products</u></b> Metal oxide fume, hydrogen bromide.
<b><u>Conditions To Avoid (Polymerization)</u></b> Will not occur.
<b>11. Toxicological Information</b>
The chemical, physical, and toxicological effects of this compound have not been thoroughly investigated.
<b>12. Ecological Information</b>
No Data Available...
<b>13. Disposal Considerations</b>
Consult Federal EPA, State and local regulations for proper disposal/recycle/reclamation NOTE: Chemical additions, processing, or otherwise altering this material may make the waste management information presented above incomplete, inaccurate, or otherwise inappropriate.
<b>14. Transport Information</b>
<b><u>Proper Shipping Name</u></b> Corrosive Solid, Acidic, Inorganic, n.o.s. (Gold (III) Bromide)
<b><u>Hazard Class</u></b> 8

# MATERIAL SAFETY DATA SHEET

## Gold (III) Bromide

### 14. Transport Information (cont)

#### DOT Identification Number

UN3260

#### Packaging Requirements

III

### 15. Regulatory Information

#### U.S. Regulatory Information

On TSCA 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.

#### Canadian Regulatory Information

All components of this product are listed on the NDSL.

#### European Union (EU) Regulatory Information

Hazard symbols:

C corrosive

Risk Phrases:

34 Causes burns.

Safety Phrases:

20 When using do not eat or drink.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36/37/39 Wear suitable protective clothing, gloves, and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately.

60 This material and its container must be disposed of as hazardous waste.

#### DSCL - Europe (Pictograms)



# MATERIAL SAFETY DATA SHEET

## Gold (III) Bromide

### 16. Other Information

#### **NFPA Rating**

Health: 3

Fire: 0

Reactivity: 0

#### **HMIS Rating**

Health: 2

Fire: 0

Reactivity: 1

Personal Protection: J

#### **Revision/Preparer Information**

**MSDS Preparer: DF Goldsmith Chemical and Metal**

**MSDS Preparer Phone Number: 847-869-7800**

**This MSDS Supersedes A Previous MSDS Dated: 05/30/2007**

### **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.

# ***MATERIAL SAFETY DATA SHEET***

## **Gold (III) Bromide**

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**Gold (III) Bromide**

