



# SIGMA-ALDRICH

## Material Safety Data Sheet

Date Printed: 05/12/2000  
Date Updated: 04/21/2000  
Version 1.10

### Section 1 - Product and Company Information

<b>Product Name</b>	GOLD, SPONGE, 99.99%		
<b>Product Number</b>	289779		
<b>Brand</b>	Aldrich Chemical		
<b>Company</b>	Sigma-Aldrich		
<b>Street Address</b>	3050 Spruce Street		
<b>City, State, Zip, Country</b>	St. Louis, MO 63103 US		
<b>Technical Phone:</b>	314 771 5765	<b>Emergency Phone:</b>	414 273 3850 Ext.5996
<b>Fax:</b>	800 325 5052		

### Section 2 - Composition/Information on Ingredient

<u>Substance Name</u>	<u>CAS #</u>	<u>SARA 313</u>
GOLD	7440-57-5	No
<b>Formula</b>	Au	
<b>Synonyms</b>	Burnish gold, C.I. 77480, C.I. Pigment Metal 3, Colloidal gold, Gold flake, Gold leaf, Gold powder, Magnesium gold purple, Shell Gold	

### Section 3 - Hazards Identification

**HMS Rating**  
Health: 0      Flammability: 0      Reactivity: 0

**NFPA Ratings**  
Health: 0      Flammability: 0      Reactivity: 0

For additional information on toxicity, please refer to Section 11.

### Section 4 - First Aid Measures

#### Oral Exposure

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

#### Inhalation Exposure

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

#### Dermal Exposure

In case of contact, immediately wash skin with soap and copious amounts of water.

#### Eye Exposure

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

#### Information for Physician

Contamination of the eyes should be treated by immediate and prolonged irrigation with copious amounts of water.



Molecular Weight: 196.97 AMU

<u>Property</u>	<u>Value</u>
pH	N/A
BP/BP Range	N/A
MP/MP Range	N/A
Freezing Point	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Saturated Vapor Conc.	N/A
SG/Density	N/A
Bulk Density	N/A
Odor Threshold	N/A
Volatile%	N/A
VOC Content	N/A
Water Content	N/A
Solvent Content	N/A
Evaporation Rate	N/A
Viscosity	N/A
Partition Coefficient	N/A
Decomposition Temp.	N/A
Flash Point °F	N/A
Flash Point °C	N/A
Explosion Limits	N/A
Autoignition Temp	N/A
Solubility	N/A

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## Section 10 - Stability and Reactivity

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### Stability

#### Materials to Avoid

Hydrogen peroxide, Halogens, Ammonia.

### Hazardous Decomposition Products

#### Hazardous Decomposition Products

Nature of decomposition products not known.

### Hazardous Polymerization

#### Hazardous Polymerization

Will not occur.

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## Section 11 - Toxicological Information

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### Route of Exposure

#### Skin Contact

May cause skin irritation. Exposure to gold compounds can cause contact dermatitis.

#### Skin Absorption

May be harmful if absorbed through the skin.

#### Eye Contact

May cause eye irritation.

#### Inhalation

Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

#### Ingestion

May be harmful if swallowed.

### Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

RTECS Number: MD5070000

### Chronic Exposure Carcinogen

Rat - Implant: 200 MG/KG

Result: Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Tumorigenic: Tumors at site or application.

Mouse - Implant: 21 GM/KG

Result: Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Tumorigenic: Tumors at site or application.

Rat - Implant: 4730 MG/KG

Result: Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Tumorigenic: Tumors at site or application.

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### Section 12 - Ecological Information

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### Section 13 - Disposal Considerations

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#### Appropriate Method of Disposal of Substance or Preparation

Material in the elemental state should be recovered for reuse or recycling.

Observe all federal, state, and local environmental regulations.

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### Section 14 - Transport Information

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#### DOT

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

#### IATA

Proper Shipping Name: None

Non-Hazardous for Air Transport: Non-hazardous for air transport.

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### Section 15 - Regulatory Information

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#### US Classification and Label Text

##### Handling and Storage

Store under Argon.

#### United States Regulatory Information

SARA 313 Listed: No

TSCA Inventory Item: Yes

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### Section 16 - Other Information

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#### Warranty

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2000 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.