

SAFETY DATA SHEET

1. Product and Supplier Identification

Product Name: **Gold** - shot, sheet, foil, rod, wire, pellets, target

Formula: Au

Supplier: DHF Technical Products
545 Vortex Rd NE
Rio Rancho, NM 87124

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Recommended Uses: R&D, Manufacturing

2. Hazards Identification

GHS Classification (29 CFR 1910.1200): Not classified as hazardous

GHS Label Elements:

Signal Word: N/A N/A

Hazard Statements: N/A N/A

Precautionary Statements: N/A N/A

3. Composition/Information on Ingredients

Ingredient: Gold

CAS#: 7440-57-5

%: 100

EC#: 231-165-9

4. First Aid Measures

General Measures:	No special requirements.
INHALATION:	Remove to fresh air, keep warm and quiet, give oxygen if breathing is difficult. Seek medical attention.
INGESTION:	Rinse mouth with water. Do not induce vomiting. Seek medical attention. Never induce vomiting or give anything by mouth to an unconscious person.
SKIN:	Remove contaminated clothing, brush material off skin, wash affected area with soap and water. Seek medical attention if symptoms persist.
EYES:	Flush eyes with lukewarm water, including under upper and lower eyelids, for at least 15 minutes. Seek medical attention if symptoms persist.
Most Important Symptoms/Effects, Acute and Delayed:	May cause irritation. See section 11 for more information.
Indication of Immediate Medical Attention and Special Treatment:	No other relevant information available.

5. Firefighting Measures

Extinguishing Media:	Use Class D or other metal extinguishing agent.
Unsuitable Extinguishing Media:	No information available.
Specific Hazards Arising from the Material:	None expected.
Special Protective Equipment and Precautions for Firefighters:	Full face, self-contained breathing apparatus and full protective clothing when necessary.

6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures:

Wear appropriate respiratory and protective equipment specified in section 8.

Methods and Materials for Containment and Cleaning Up:

Sweep or scoop up. Place in properly labeled closed containers. Scrap can be collected for recycling.

Environmental Precautions:

Do not allow to enter drains or to be released to the environment.

7. Handling and Storage

Precautions for Safe Handling:

Avoid creating dust. Avoid breathing dust or fumes. Provide adequate ventilation if dusts are created. Avoid contact with skin and eyes. Wash thoroughly before eating or smoking. See section 8 for information on personal protection equipment.

Conditions for Safe Storage:

Store in a sealed container. Store in a cool, dry area. See section 10 for more information on incompatible materials.

8. Exposure Controls and Personal Protection

Exposure Limits:	Gold
OSHA/PEL:	No exposure limit established
ACGIH/TLV:	No exposure limit established
Engineering Controls:	Ensure adequate ventilation to maintain exposures below occupational limits. Whenever possible the use of local exhaust ventilation or other engineering controls is the preferred method of controlling exposure to airborne dust and fume to meet established occupational exposure limits. Use good housekeeping and sanitation practices. Do not use tobacco or food in work area. Wash thoroughly before eating or smoking. Do not blow dust off clothing or skin with compressed air.
Respiratory Protection:	If permissible levels are exceeded, use NIOSH approved dust respirator.
Eye Protection:	Safety glasses
Skin Protection:	Wear impermeable gloves, protective work clothing as necessary.

9. Physical and Chemical Properties

Appearance:

Form:	Solid in various forms
Color:	Yellow metallic
Odor:	Odorless
Odor	Threshold: Not determined
pH:	N/A
Melting Point:	1064.43 oC
Boiling Point:	2808±2 oC
Flash Point:	N/A
Evaporation Rate:	N/A
Flammability:	N/A
Upper Flammable Limit:	N/A
Lower Flammable Limit:	N/A
Vapor Pressure:	1 mm Hg @ 1869 oC
Vapor Density:	N/A
Relative Density (Specific Gravity):	19.31 g/cc
Solubility in H ₂ O:	Insoluble
Partition Coefficient (n-octanol/water):	Not determined
Autoignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	N/A

10. Stability and Reactivity

Reactivity:	No data
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	None expected.
Conditions to Avoid:	No data
Incompatible Materials:	Aqua regia, halogens, cyanides, ammonium compounds, peroxide.
Hazardous Decomposition Products:	None expected.

11. Toxicological Information

Likely Routes of Exposure:	Inhalation, skin, eyes.
Symptoms of Exposure:	May cause irritation.
Acute and Chronic Effects:	Elemental gold is considered inert.
Acute Toxicity:	No data
Carcinogenicity:	NTP: Not identified as carcinogenic IARC: Not identified as carcinogenic To the best of our knowledge the chemical, physical and toxicological characteristics of the substance are not fully known.

12. Ecological Information

Ecotoxicity:	No data
Persistence and Degradability:	No data
Bioaccumulative Potential:	No data
Mobility in Soil:	No data
Other Adverse Effects:	No further relevant information available.

13. Disposable Considerations

Waste Disposal Method	
Product:	Dispose of in accordance with Federal, State and Local regulations.
Packaging:	Dispose of in accordance with Federal, State and Local regulations.

14. Transport Information

Shipping Regulations:	Not regulated
UN Number:	N/A
UN Proper Shipping Name:	N/A
Transport Hazard Class:	N/A
Packing Group:	N/A
Marine Pollutant:	No

15. Regulatory Information

TSCA Listed:	All components are listed.
Regulation (EC) No 1272/2008 (CLP):	N/A
Canada WHMIS Classification (CPR, SOR/88-66):	N/A
HMIS Ratings:	Health: 0 Flammability: 0 Physical: 0
NFPA Ratings:	Health: 0 Flammability: 0 Instability: 0
Chemical Safety Assessment:	A chemical safety assessment has not been carried out.

16. Other Information

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