

SAFETY DATA SHEET

1. Product and Supplier Identification	
Product Name:	Silver - shot, sheet, foil, rod, wire, pellets, target
Formula:	Ag
Supplier:	DHF Technical Products
	545 Vortex Rd NE
	Rio Rancho, NM 87124
Telephone:	505-994-0010
Fax:	505-994-0009
Email:	montes@dhfco.com
Emergency:	505-994-0010
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:	Silver
CAS#:	7440-22-4
%:	100
EC#:	231-131-3



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,	May cause irritation.
Acute and Delayed:	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 suitable extinguishing agent for surrounding materials and type of fire.
Unsuitable Extinguishing Media:	No information available.
Specific Hazards Arising from the Material:	May emit silver oxide fumes under fire conditions.
Special Protective Equipment and Precautions for Firefighters:	Full face, self-contained breathing apparatus and full protective clothing when necessary.

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6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures:

Methods and Materials for Containment and Cleaning Up:

Environmental Precautions:

Wear appropriate respiratory and protective equipment specified in section 8.

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

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 contact with skin and eyes.
	Do not breathe dust or fumes. Provide adequate
	ventilation if dusts are created. 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:	Silver
OSHA/PEL:	0.01 mg/m3
ACGIH/TLV:	0.1 mg/m3
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 exposureto airborne dust and fume to meet established occupational expo- sure limits. Use good housekeeping and sanitation prac- tices. 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	

Form:	Solid in various forms
Color:	Silver metallic
Odor:	Odorless
Odor Threshold:	Not determined
pH:	N/A
Melting Point:	961.93 oC
Boiling Point:	2212 oC
Flash Point:	N/A
Evaporation Rate:	N/A
Flammability:	N/A
Upper Flammable Limit:	N/A
Lower Flammable Limit:	N/A
Vapor Pressure:	No data
Vapor Density:	N/A
Relative Density (Specific Gravity):	10.5 g/cc @ 20 oC
Solubility in H2O:	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:	Acids, halogens, sulfur.
Hazardous Decomposition Products:	Silver oxide fume.

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11. Toxicological Information Likely Routes of Exposure: Inhalation, skin, eyes. Symptoms of Exposure: May cause irritation. Acute and Chronic Effects: Silver metal is relatively inert. Chronic exposure to soluble silver compounds may cause a permanent bluish-gray discoloration of the skin and eyes known as argyria. No data Acute Toxicity: 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 InformationEcotoxicity:No dataPersistence and Degradability:No dataBioaccumulative Potential:No dataMobility in Soil:No dataOther 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
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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 Instabiliity: 0
Chemical Safety Assessment:	A chemical safety assessment has not been carried out.

16. Other Information

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