

Section 1

Manufacturer's Name: Ames Goldsmith Corp. 21 Roger Street, Glens Falls, NY 12801
 Emergency Telephone # 518-792-5808 (all calls)
 Chemtrec: 1-800-424-9300

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Section 2 Hazardous Ingredients/Identity

Hazardous Component(s) Chemical & Common names	% (Optional)	OSHA PEL	ACGIH TLV	Other exposure limits	CAS NO.
Silver	-----	0.01 mg/m3	0.01 mg/m3	-----	7440-22-4
Nickel	-----	1 mg/m3	1 mg/m3	-----	12408-25-2

Section 313 Supplier Notification: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372.65.

CAS #7440-22-4; Chemical Name: silver, soluble compound (as Ag) percent by weight 99.9%

NFPA rating: 2-0-0 HMIS rating: 2-0-0-H

TSCA 12 (b) Export Notification: Not listed TSCA: Listed substance

Listed on Canadian DSL + Meets requirements of Canadian WHMIS

Section 3 Physical & Chemical Characteristics

Boiling Point: N/A Specific Gravity (H₂O = 1): 6.2
 Vapor Pressure (mm Hg.): N/A Vapor Density (Air = 1): N/A
 Solubility in Water: Insoluble
 Reactivity in Water: None
 Appearance and Odor: odorless, fine black powder
 Melting Point: Decomposes at 300°C

Section 4 Fire & Explosion Data

Flash Point: N/A Method Used: Not flammable

Flammable Limits in Air % by Volume LEL Lower: N/A UEL Upper: N/A

Auto Ignition Temperature: Does not ignite Extinguisher Media: proper to primary cause of fire

Special Fire Fighting Procedures: Use NIOSH/MSHA approved self-contained breathing apparatus (SCBA) and full protective clothing in involved in fire.

Unusual Fire and Explosion Hazards: Decomposes at 300°C emitting oxygen, increases flammability of combustible, organic or other oxidizable agents

Section 5 Physical Hazards (Reactivity Data)

Stability: STABLE

Conditions to Avoid: fire; light. Decomposes from long-term exposure to light.

Incompatibility (Materials to Avoid): Oxidizing agent, avoid contact with organic solvents (e.g. alcohol, acetone, etc.)

Explosion hazard when in contact with ammonia.

Hazardous Decomposition Products: Decomposes to Ag, NiO and O₂ at 300° C or after long-term exposure to light.

Hazardous Polymerization: Will Not Occur

Conditions to Avoid: N/A

Section 6 Health Hazards

1. Acute (Immediate): May cause respiratory irritation, cough, pneumonitis and fever. Skin may become irritated and swell; eyes may be irritated and red.

2. Chronic (Delayed Effect): Argyria, a blue-gray discoloration of the skin, mucus membranes and eyes may result from inhalation of silver.

Signs & Symptoms of Exposure: Dust irritation, if inhaled may cause nasal bleeding

Medical Conditions Generally Aggravated by Exposure: Persons with allergic skin rash and breathing may aggravate asthma and inflammatory or fibrotic pulmonary disease.

Chemical listed as Carcinogen or Potential Carcinogen: OSHA: NO National Toxicology Program: NO
I.A.R.C. Monographs: NO

Emergency and First Aid Procedures: See below

Routes of Entry:

1. Inhalation: excessive exposure (inhalation) can cause cosmetic discoloration (argyria). Remove to fresh air.
2. Eyes: wash thoroughly with water
3. Skin: wash thoroughly with water
4. Ingestion: Kidney and liver damage may result from prolonged intake. Contact a physician.

Section 7 Special Precautions and Spill/Leak Procedures

Precautions to be taken in Handling and Storage: Store in a secure place, avoid contact with organics

Other Precautions: Oxidizer, Suspect Human Carcinogen, May cause skin and lung sensitization, skin and eye irritant

Steps to be taken in Case Material is released or spilled: Vacuum up using HEPA type vacuums save for reclamation

Waste Disposal Methods (Consult federal, state, and local regulations): Send to refiner for silver recovery

Section 8 Special Protection Information/Control Measures

Respiratory Protection: Air purifying respirators with HEPA filters

Ventilation: Local Exhaust: exhaust to baghouse or wet scrubber Mechanical (General): N/A Special:

Protective Gloves: rubber or neoprene

Eye Protection: goggles, face shield or safety glasses with side shields

Other Protective Clothing or Equipment: rubber or plastic apron, tyvek suit or lab coat

Work/Hygienic Practices: avoid breathing dust; wash thoroughly after handling

Section 9 Disclaimer of Expressed & Implied Warranties

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