



MATERIAL SAFETY DATA SHEET

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MSDS No. 9426702
Effective Date: October 28, 2002

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Silver Metal Foil	416-984-3000	 HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4	Health 0 Flammability 0 Reactivity 0
Chemical Synonyms	Silver			
Formula	Ag			
CAS No.	7440-22-4			

SECTION II DANGEROUS INGREDIENTS

Name	%	TLV Units
Silver metal foil	100%	TWA: 0.1 mg/m ³ (air)
CAUTION! SHARP EDGES!		

SECTION III PHYSICAL DATA

Melting Point (°C)	960.5°C	Specific Gravity (H ₂ O = 1)	10.49 @ 15°C
Boiling Point (°C)	1950°C	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	1 mm @ 1357°C	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Insoluble.		
Appearance & Odor	Bright metallic luster; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Firefighting Procedures	Use dry chemical, CO ₂ , alcohol foam, or water spray. In fire conditions, fire-fighters should wear an appropriate mask or a self-containing breathing apparatus.				

Flammability and Explosion Hazards	
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Fire or excessive heat may produce hazardous decomposition products to be produced as dust or fume.

TDG	Not controlled under TDG.
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Swift Science

SECTION V REACTIVITY DATA SS0139

Chemical Stability	Yes	X	If no, under what conditions?
	No		
Incompatible with Other products	Yes	X	Acetylene, ammonia, hydrogen peroxide.
	No		

Hazardous Decomposition Products	N/A
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Reactive under what conditions	Blackened by ozone, hydrogen sulfide, sulfur. Heating above melting point may emit silver oxide fumes.
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SECTION VI TOXICOLOGICAL PROPERTIES

Route of Entry	Inhalation.
TLV	TWA: 0.1 mg/m ³ (dust)
Toxicity for animals	N/A
Chronic effects on humans	There is no known effects from chronic exposure to this product. Target organs: None known.

Acute effects on humans	May cause eye irritation, skin irritation.
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SECTION VII PREVENTIVE MEASURES

Waste Disposal	Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.
Storage	Keep container dry. Keep in a cool place. Keep container tightly closed.
Precautions	Avoid contact with skin and eyes. DO NOT ingest. If ingested, seek medical advice immediately.
Spill or leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container.
Protective Clothing	Safety glasses, lab coat, dust respirator, gloves.

SECTION VIII FIRST AID MEASURES

Specific first aid measures	Ingestion: Call physician or Poison Control Center immediately. Induce vomiting only if advised by the appropriate medical personnel. Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention. Skin contact: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Inhalation: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Allow victim to rest in a well ventilated area. Seek immediate medical attention.
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SECTION IX PREPARATION OF THE MSDS

Rev. No.	2	Date	October 28, 2002	Approved	Michael Raszeja
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