

**Material Safety Data Sheet**

May be used to comply with  
 OSHA's Hazard Communication Standard,  
 29 CFR 1910.1200. Standard must be  
 consulted for specific requirements.

**U.S. Department of Labor**

Occupational Safety and Health Administration  
 (Non-Mandatory Form)  
 Form Approved  
 OMB No. 1218-0072

**IDENTITY** (As Used on Label and List)

M20 Antique Black

Note: Blank spaces are not permitted. If any item is not applicable, or no  
 information is available, the space must be marked to indicate that.

**Section I**

Manufacturer's Name <b>Santa Fe Jewelers Supply</b>	Emergency Telephone Number (800) 353-5053 <b>International 1-352-323-3500</b>
Address (Number, Street, City, State, and ZIP Code) <b>1513 Fifth Street</b>	Telephone Number for Information Same
<b>Santa Fe, NM 87505</b>	Date Prepared <b>10-23-01</b>
	Signature of Preparer (optional)

**Section II — Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Selenious Acid CAS#7783-00-8	0.2mg/m <sup>3</sup>	0.2mg/m <sup>3</sup>		
Cupric Sulfate CAS#7758-99-8	1mg/m <sup>3</sup>	1mg/m <sup>3</sup>		
Phosphoric Acid CAS#7664-38-2	1mg/m <sup>3</sup>	1mg/m <sup>3</sup>		
Zinc Sulfate CAS#7733-02-0	None Established			
Ammonium Molybdate CAS#7732-18-5	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>		

**Section III — Physical/Chemical Characteristics**

Boiling Point	212F	Specific Gravity (H <sub>2</sub> O = 1)	1.12
Vapor Pressure (mm Hg.)	None	Melting Point	N/A
Vapor Density (AIR = 1)	None	Evaporation Rate (Butyl Acetate = 1)	<1
Solubility in Water	100%		
Appearance and Odor	Blue Liquid With No Odor		

**Section IV — Fire and Explosion Hazard Data**

Flash Point (Method Used) None	Flammable Limits None	LEL	UEL
Extinguishing Media Water-Based Product	Special Fire Fighting Procedures Wear Full Protection With Breathing Apparatus When Chemicals Are Involved In Fire.		
Unusual Fire and Explosion Hazards Will Not Burn. Produces Highly Toxic Selenium Fumes In Case of Fire Accident.			

**Section V — Reactivity Data**

Stability	Unstable		Conditions to Avoid None Known
	Stable	XX	

## Incompatibility (Materials to Avoid)

Most Metals, Cyanides, Water Reactive Substances and Reducing Agents.

## Hazardous Decomposition or Byproducts

Reactions With Organics and Strong Reducing Agents Can Produce Organoselenides & Hydrogen Selenide

Hazardous Polymerization	May Occur		Conditions to Avoid None Known
	Will Not Occur	XX	

**Section VI — Health Hazard Data**

Route(s) of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes

## Health Hazards (Acute and Chronic)

Toxic Material. Could Be Fatal If Swallowed.

Irritation or Possible Burns Upon Eye or Skin Contact.

Carcinogenicity: Unknown NTP? No IARC Monographs? No OSHA Regulated? No

## Signs and Symptoms of Exposure

Skin Rash or Burns, Eye Irritation or Burns, Gastrointestinal Irritation, Including Nausea, Vomiting & Abdominal Pain, Nose & Throat Irritation, Headache, Dizziness and Difficulty Breathing

## Medical Conditions

Generally Aggravated by Exposure Sensitive Skin

## Emergency and First Aid Procedures

Skin Contact - Wash with Soapy Water. Eye Contact - Rinse With Water For 15 Minutes & Call Physician. Ingestion - If Conscious, Induce Vomiting & Get Medical Attention

**Section VII — Precautions for Safe Handling and Use** Inhalation - Remove From Exposure Call Physician

## Steps to Be Taken in Case Material Is Released or Spilled

Absorb With Absorbent Material & Collect In Acid Resistant Container.

## Waste Disposal Method

Dispose of According To Federal, State and Local Regulations.

## Precautions to Be Taken in Handling and Storing

Wear Protective equipment when handling. Store in Acid Resistant Sealed Container. Avoid Storing With Cyanides, Water Reactive Substances and Strong Reducing Agents.

## Other Precautions

**Section VIII — Control Measures**

## Respiratory Protection (Specify Type)

Ventilation	Recommended		
	Local Exhaust	Advisable	Special None
	Mechanical (General)		Other None

Protective Gloves Rubber or Neoprene Eye Protection Safety Glasses, Goggles or Face Shield

Other Protective Clothing or Equipment  
Chemical Resistant Apron

## Work/Hygienic Practices

Wash Hands After Handling This Product