

**Product Name:** Mineral Purifier

**Date:** 5/22/2018

SECTION 1 **IDENTIFICATION**

**Company:** The Supply Company, Inc.  
6924 E. 38<sup>th</sup> Street  
Tulsa, OK 74145  
918-585-2863

**U.S. PERS Emergency Telephone:** 1-800-633-8253

**Product Name:** Mineral Purifier

**Synonyms:** N/A

**Chemical Formula:** Ag

**CAS Number:** 7440-22-4

**Product Use:** Water Purifier

SECTION 2 **HAZARDS IDENTIFICATION**  
**EMERGENCY OVERVIEW**

**WARNING**



**Hazard Statement(s)**

H410: Very toxic to aquatic life with long-lasting effects

**Precautionary Statement(s)**

P273: Avoid release to the environment

P391: Collect Spillage

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

SECTION 3 **COMPOSITION / INGREDIENTS INFORMATION**

<u>Component</u>	<u>CAS Number</u>	<u>Percent</u>
Nano Silver Powder	7440-22-4	2%

SECTION 4 **FIRST AID MEASURES**

**General:** Consult a physician. Show this safety data sheet to the doctor in attendance.

**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**Skin Contact:** Wash off with soap and plenty of water. Consult a physician.

**Eye Contact:** Flush eyes with water as a precaution

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**SECTION 5 FIRE-FIGHTING MEASURES**

**Extinguishing Media**

**Suitable Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture:** No data available.

**Advice for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:** Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

**Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods and material for containment and cleaning up:** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**SECTION 7 STORAGE AND HANDLING**

**Precautions for Safe Handling:** Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.

**Conditions for safe storage, including any incompatibilities:** Keep container tightly closed in a dry and well-ventilated place. Air sensitive. Handle and store under inert gas. Keep in a dry place.

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Control Parameters**

**Components with workplace control parameters**

Component	CAS-No.	Value	Control Parameters	Basis
Silver	7440-22-4	TWA	0.010000 mg/m3	USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants
		TWA	0.010000 mg/m3	USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants
		TWA	0.010000 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
	Remarks	Argyria		
		TWA	0.010000 mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	0.010000 mg/m3	USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants
		TWA	0.010000 mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	0.100000 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
		Argyria		
		TWA	0.100000 mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	0.1 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
		TWA	0.01 mg/m3	USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants
		PEL	0.01 mg/m3	California permissible exposure limits for chemical contaminants (Title 8, Article 107)

### Exposure Controls

**Appropriate Engineering Controls:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### Personal Protective Equipment

**Eye/face protection:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin Protection:** handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Body Protection:** Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory Protection:** Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

**Control of environmental exposure:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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<b>Physical State:</b>	Powder
<b>Appearance:</b>	Copper, Silver, Opaque
<b>Odor:</b>	Not available
<b>Odor Threshold:</b>	Not available
<b>pH:</b>	7-9
<b>Melting Point/Freezing Point:</b>	Melting point/range: 960°C (1,760°F) – lit.
<b>Initial Boiling Point &amp; Boiling Range:</b>	2,212°C (4,014°F) – lit.
<b>Flash Point:</b>	Not available
<b>Evaporation Rate:</b>	Not available
<b>Flammability (solid, gas):</b>	Not available
<b>Upper/Lower Flammability or Explosive Limits:</b>	Not available
<b>Vapor Pressure:</b>	Not available
<b>Vapor Density:</b>	Not available
<b>Relative Density:</b>	10.49 g/cm <sup>3</sup>
<b>Water Solubility:</b>	Not available
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>Auto-ignition Temperature:</b>	Not available
<b>Decomposition Temperature:</b>	Not available
<b>Viscosity:</b>	Not available
<b>Explosive Properties:</b>	Not available
<b>Oxidizing Properties:</b>	Not available

SECTION 10      **STABILITY AND REACTIVITY**

**Reactivity:** No data available.

**Chemical Stability:** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** No data available.

**Conditions to Avoid:** No data available.

**Incompatible Materials:** Oxygen, strong acids and strong bases.

**Hazardous Decomposition Products:** Hazardous decomposition products formed under fire conditions. - Silver/silver oxides

SECTION 11      **TOXICOLOGICAL INFORMATION**

**Acute Toxicity:** LD50 Oral – Rat – male - > 5,000 mg/kg

**Skin Corrosion/Irritation:** No data available.

**Serious Eye Damage/Irritation:** No data available.

**Respiratory or Skin Sensitization:** No data available.

**Germ Cell Mutagenicity:** No data available.

**Tumorigenic:** Tumors at site or application.

**Carcinogenicity:** Rat – Unreported

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA.

**Reproductive Toxicity:** No data available.

**Specific Target Organ Toxicity (Repeated Exposure):** No data available.

**Specific Target Organ Toxicity (Single Exposure):** No data available

**Aspiration Hazard:** No data available.

SECTION 12      **ECOLOGICAL INFORMATION**

**Ecology - General:** Very toxic to aquatic life with long lasting effects.

**Persistence and Degradability:** No data available.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available

**Other Adverse Effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13      **DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Product:** Offer surplus and non -recyclable solutions to a licensed disposal company.

**Contaminated Packaging:** Dispose of as unused product.

SECTION 14	<b>TRANSPORTATION INFORMATION</b>
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Inner packaging's not over 5.0 kg (11 lbs.) net capacity each for solids, packed in a strong outer packaging:

**DOT:**    **UN Number:**                    Limited Quantity/ORM-D  
           **UN Proper Shipping Name:**    Limited Quantity/ORM-D  
           **Transport Hazard Class:**        Limited Quantity/ORM-D  
           **Packing Group:**                 Limited Quantity/ORM-D

**For International can package same as ORM-D but needs Class 9 Label.**

*Consumer commodity* (ORM-D) means a material that is packaged and distributed in a form intended or suitable for sale through retail sales agencies or instrumentalities for consumption by individuals for purposes of personal care or household use. Valid until December 31, 2020.

Inner packaging over 5.0 kg (11 lbs.) net capacity each for solids, packed in a strong outer packaging:

**DOT:**    **UN Number:**                    3077  
           **UN Proper Shipping Name:**    ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID,  
   N.O.S. (Silver)  
           **Transport Hazard Class:**        9  
           **Packing Group:**                 III  
           **Reportable Quantity:**         1 lbs.  
           **Poison Inhalation Hazard:**     No

**IMDG:** **UN Number:**                    3077  
           **UN Proper Shipping Name:**    ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID,  
   N.O.S. (Silver)  
           **Transport Hazard Class:**        9  
           **Packing Group:**                 III  
           **EMS-No:**                         F-A, S-F  
           **Marine Pollutant:**             Yes

**IATA:** **UN Number:**                    3077  
           **UN Proper Shipping Name:**    ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID,  
   N.O.S. (Silver)  
           **Transport Hazard Class:**        9  
           **Packing Group:**                 III

SECTION 15	<b>REGULATORY INFORMATION</b>
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**SARA 302 Components:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:** The following components are subject to reporting levels established by SARA Title III, Section 313:

	CAS-No.	Revision Date
Silver	7440-22-4	1993-04-24

**SARA 311/312 Hazards:** No SARA Hazards

SAFETY DATA SHEET  
Mineral Purifier

**Massachusetts Right To Know Components**

	<b>CAS-No.</b>	<b>Revision Date</b>
Silver	7440-22-4	1993-04-24

**Pennsylvania Right to Know Components**

	<b>CAS-No.</b>	<b>Revision Date</b>
Silver	7440-22-4	1993-04-24

**New Jersey Right to Know Components**

	<b>CAS-No.</b>	<b>Revision Date</b>
Silver	7440-22-4	1993-04-24

**California Prop. 65 Components:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16 <b><i>OTHER INFORMATION</i></b>
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**NFPA Rating:**    **Health Hazard:**      0  
                         **Fire Hazard:**                0  
                         **Reactivity Hazard:**       0

**HMIS Rating:**    **Health Hazard:**            0  
                         **Flammability Hazard:**    0  
                         **Physical Hazard:**           0

Date: 5/22/2018  
The Supply Company Inc.