Alpha Resources Inc.

Safety Data Sheet (SDS)

Revision Date: April 29, 2015

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Silver (wool, gauze, boats, capsules)

AR22365, AR01371, AR00816, AR33212, AR33213 AEB1037, AEB1010, AEB1023, ASD2000, ASD2001, ASD2002, ASD2003, ASD2006, ASD2007, ASD2008, ASD2009, ASD2010, ASD2012, ASD2027, ASD2029, ASD2092 This product is intended for laboratory use.

Alpha Resources Inc. 3090 Johnson Rd. Stevensville, MI 49127 (269)465-5559

CHEMTREC Emergency Phone Number: (800) 424-9300	Signal Word	N/A
---	-------------	-----

SECTION 2— HAZARDS IDENTIFICATION

This material is NOT considered hazardous according to GHS standard. It's good practice to treat all lab consumables with caution.

Even though NOT considered hazardous, reactions among some chemicals are somewhat unpredictable. For this reason even non-hazardous materials shouldn't be treated carelessly.

SECTION 3— COMPOSITION, INFORMATION ON INGREDIENTS

SECTION 4— FIRST AID MEASURES

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338).

If eye irritation persists: Get medical advice or attention (P337+P313).

If on skin: Wash with plenty of water. (P302+P352)

If swallowed: Rinse mouth. Call a physician if you feel unwell.

SECTION 5 — FIRE FIGHTING MEASURES

Fire Fighting Instructions: Firefighters should use tri-class dry chemical fire extinguisher. Also, where suitable protective clothing and respiratory equipment when necessary.

Special hazards arising from the substance: Silver and silver oxides

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Precautions: Use appropriate personal protection equipment. This material should be swept up and placed into a sealed vessel for disposal. Wash the contaminated area once the sweeping has taken place. Ventilation must be available or respiratory might be only way to avoid over exposure.

Environmental precautions: Don't allow to enter water ways or drains. Don't let product contaminate subsoil.

SECTION 7 — HANDLING AND STORAGE

Handling: This material is to be handled carefully with the appropriate personal protective equipment. Ensure adequate ventilation where necessary to work with material.

Storage: This product should be stored in a cool, dry place and kept sealed (P233) when not in use.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). An approved NIOSH respirator should be worn if exposure limits are excessive.

Component	CAS#	Value	Limits	Basis
Silver	7440-22-4	TWA	0.01 mg/m^3	USA. OSHA-table Z-1 limits for air contaminants
		TWA	0.01 mg/m^3	USA. OSHA-table Z-1 limits for air contaminants
		TWA	0.1 mg/m^3	USA. ACGIH Threshold limit values (TLV)
	Remarks	Argryia		
		TWA	0.01 mg/m^3	USA. OSHA-table Z-1 limits for air contaminants
		TWA	0.01 mg/m^3	
		TWA	0.01 mg/m^3	
		TWA	0.1 mg/m^3	USA. ACGIH Threshold limit values (TLV)
		Argryia		
		TWA	0.01 mg/m^3	USA. NIOSH Recommended exposure limits.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Grey, solid . Melting Point: 960°C Soluble: slightly in water Odorless Boiling Point: 2212 °C Relative density: 10.49g/mL

SECTION 10 — STABILITY AND REACTIVITY

Stability: stable

Indefinite shelf life if stored correctly.

Avoid contact with strong acids, oxygen, and strong bases.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute Effects Data: LD50 Oral Rat male: >5000mg/kg

Chronic Effects: N/A Carcinogenicity: N/A

Target Organs: N/A

May cause argyria which is a grayish/blue discoloration of the skin and deep tissues from deposits of albuminate of silver.

SECTION 12 — ECOLOGICAL INFORMATION

N/A

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste disposal should be done in compliance with existing federal, state and local environmental regulations.

SECTION 14 — TRANSPORT INFORMATION

United States Department of Transportation: Not regulated in this solid state.

Hazard class: N/A. UN number: N/A.

SECTION 15 — REGULATORY INFORMATION

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of title III.

SARA 313 Components: Silver is subject to reporting levels within this specification.

SARA 311/312 Hazards: N/A

Massachusetts RTK Components: Silver CAS #7440-22-4

Pennsylvania RTK Components: Silver CAS #7440-22-4

New Jersey RTK Components: Silver CAS #7440-22-4-7

California Prop 65: No chemicals in this material known to cause cancer, birth defects, or any other reproductive harm.

SECTION 16 — OTHER INFORMATION

The data and information as stated was furnished by the manufacturer/vendor/supplier of this product. Alpha Resources Inc. cannot warrant the accuracy of this information and shall not be responsible or liable for any damage that may result, should any of the information be erroneous.