



## MATERIAL SAFETY DATA SHEET

### SECTION I - Product / Company Identification

1.1 Product Trade Name: Silver Solution 10 ppm  
 1.2 Item Number(s): 2000-0410; 2000-0810; 2000-1610; 2000-3210  
 2001-0810; 2001-1610; 2007-0810; 2007-1610  
 2060-0510; 2060-1510; 2060-5510; 2060-3310  
 1.3 Manufacturer: ABL Manufacturing, LLC.  
 1.4 Address: 690 East 50 South  
 City, State, Zip American Fork, Utah 84003  
 1.5 Emergency Telephone Number (801) 756-1000  
 1.6 Information Telephone Number (801) 756-1000  
 1.7 Date Revised 13 June 2013

### SECTION II - Hazardous Ingredients / Identity Information

Silver Hydrosol Dietary Supplement

Hazardous Component	%	CAS No.	Symbol
Silver	0.0010%	7440-22-4	Ag
<b>Non-Hazardous Component</b>			
Inert Ingredient (deionized water)	99.9990%	-	H <sub>2</sub> O

### SECTION III - Hazards Identification

Product, as shipped, is not irritating to skin, lungs, eyes or mucous membranes. Exposure to, or ingestion of, moderate amounts of this product are not typically harmful. However, chronic long term ingestion of silver or silver salts may cause argyria, a medically benign blue-gray discoloration of the skin, eyes and mucous membranes. In addition, nephrotoxicity has been demonstrated with excessive exposure to silver. Argyria and nephrotoxicity are extremely unlikely to occur with this product due to its low concentration of contained silver.

### SECTION IV - First Aid Measures

Skin: None Required  
 Ingestion: None Required  
 Inhalation: None Required  
 Eyes: None Required

## **SECTION V - Fire-Fighting Measures**

Product as shipped is non-flammable.

Suitable Extinguishing Media:	Water Contact Acceptable
Forbidden Extinguishing Media:	None
Special Firefighting Measures:	None
Unusual Fire And Explosion Hazards:	None
Special Protection Equipment:	None

## **SECTION VI - Accidental Release Measures**

Personal Precautions: None Required

Environmental Precautions: No special procedures are required for cleanup of spills or leaks of this material. Avoid methods that may result in water pollution.

The reportable quantity for silver metal is 1,000 pounds\*. Any spill or other release of this amount of material to the air, water or land (unless entirely contained in the workplace) equal to or in excess of the reportable quantity must be reported immediately to the National Response Center (800/424-8802) as required by US Federal Law.

\*No reporting of release of this substance is required if the diameter of the pieces of solid metal released is equal to or exceeds 100 micrometers (0.004 inches).

Reclaiming Methods: Collect using mechanical means and solid absorbents.

## **SECTION VII - Handling and storage**

Handling:	Not Applicable
Storage:	Store at ordinary room temperature
Containers:	Not Applicable
Incompatibilities:	Not Applicable
Other Precautions:	Avoid Freezing

## **SECTION VIII - Exposure Controls / Personal Protection**

General Measures: Not Required

Limits: Workplace limits for silver in air are 0.1 mg/m<sup>3</sup> TLV (ACGIH 1987-88), 0.01 mg/m<sup>3</sup> PEL (OSHA-Dust & Fume)

Respiratory Protection: Not Required

Eye Protection: Not Required

Skin Protection: Not Required

Hands Protection: Not Required

Other Equipment: Not Required

**SECTION IX - Physical and Chemical Properties**

Appearance: Clear Liquid  
Odor: None  
Boiling Point: 100 Degrees Celsius  
Flash Point: None  
Explosion Limits: None  
Water Solubility: Miscible  
Evaporation Rate: As For Water  
Median Silver Particle Size: < 0.01 micrometer

**SECTION X - Stability and Reactivity**

Stability: Generally Stable  
Conditions to avoid: Freezing may result in damage to container  
Materials to avoid: Not Applicable  
Hazardous Decomposition Products: None  
Hazardous Polymerization Products: None

**SECTION XI - Toxicological Information**

Ingestion: Not Applicable  
Eye Contact: Not Applicable  
Skin Contact: Not Applicable  
Inhalation: Not Applicable  
Prolonged Exposure: Not Applicable

**SECTION XII - Ecological Information**

This product may be toxic to fish or other aquatic wildlife.

**SECTION XIII - Disposal Considerations**

Use of the product in accordance with label directions until entirely consumed, is considered the preferred disposal method.  
Elemental silver, when discarded or disposed of, is not specifically listed as a hazardous waste in Federal regulations. However, if the toxicity characteristic leach procedure (TCLP) extract from a waste exceeds the maximum concentration of silver for the toxicity characteristic, then that waste has the EPA Hazardous Waste Number D011. (See 40 CFR 261). The transportation, storage, treatment and disposal of hazardous waste material must be conducted in compliance with all applicable Federal, state and local requirements.

**SECTION XIV - Transport Information**

Avoid prolonged exposure to sub-freezing temperatures.

**SECTION XV - Regulatory Information**

Silver, Total, is listed as a toxic pollutant (in water) pursuant to 40 CFR 122.21, Appendix D, Table III.. Notification levels are described in 40 CFR 122.42 (a) (1) and 122.42 (a) (2). Due to the low solubility of silver and its low silver content, this product is unlikely to exceed notification levels. There may be specific regulations at the local, regional or state level that pertain to this material.

**SECTION XVI - Other Information**

None

**NOTICE:** The information presented herein is based on data considered to be accurate as of date of preparation of this Material Safety Data Sheet. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice a patented invention without a license. In addition, no responsibility can be assumed by the manufacturer or vendor for any damage or injury resulting from abnormal use, from any failure to adhere to any recommended practices, from any hazards inherent in the nature of the product, or from any additions or changes in form or substance to the product as distributed by the manufacturer or vendor.