



SAFETY DATA SHEET

SECTION 1 -

Product Trade Name:	Identification Silver Biotics 10 ppm
Other Identification:	4 oz; 8 oz; 16 oz; 32 oz; Bulk
Recommended use and restrictions:	Take one tsp. daily up to three times per day
Manufacturer:	ABL Manufacturing, LLC.
Address:	690 East 50 South
City, State, Zip	American Fork, Utah 84003
Emergency Telephone Number	(801) 756-1000
Information Telephone Number	(801) 756-1000

SECTION 2 -

Hazards Identification

Non-hazardous according to 29 CFR 1910.1200

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 3 -

Composition/information on ingredients

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

SECTION 4 -

First Aid Measures

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

SECTION 5 - Fire-Fighting Measures

Product as shipped is non-flammable.

Suitable Extinguishing Media:	Water, carbon dioxide, foam, dry chemical
Unsuitable Extinguishing Media:	None known
Specific hazards from burning:	None known
Special Protection Equipment:	None known

SECTION 6 - Accidental Release Measures

Personal Precautions:	None known
Protective Equipment:	None known
Environmental Procedures:	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. CFR40, Chapter 1, Sections 304.2, 311 (e). No reporting or 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).**

SECTION 7 -**Handling and storage**

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

SECTION 8 - Exposure Controls / Personal Protection

General Measures:	Not Required
Limits:	Workplace limits for silver in air are 0.1 mg/m ³ TLV (ACGIH 1987-88), 0.01 mg/m ³ 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 9 - 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 10 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 11 Toxicological Information

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

SECTION 12 - Ecological Information

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

SECTION 13 - 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 14 - Transport Information

Class 85; NLR; Ear99

Avoid prolonged exposure to sub-freezing temperatures and no higher than 110° F.

Transport by land (USDOT), water (IMDG) and air (ICAO).

SECTION 15 - 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 16 - Other Information

Effective 01 January 2017

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 o Stability and Reactivity