

# Safety Data Sheet *(adapted to NIOSH formatting)*

**Product name:** Bio-Active Silver Hydrosol, 23 ppm  
**Revision date:** April 19<sup>th</sup>, 2021

**Version:** 1.0 / EN  
**Print date:** 04/19/21

---

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

### 1.1. Product identifiers

**Product name:** Silver Hydrosol, 23 ppm  
**Trade name / designation:** Sovereign Silver® 23ppm, Bio-Active Silver Hydrosol™  
**Classification:** Dietary Supplement - Trace Mineral – Raw Material for Further Processing in Cosmetics

### 1.2. Relevant identified uses of the substance or mixture, uses & certifications

**Identified uses:** USA: Dietary Supplement under DSHEA  
CANADA: Trace Element (NPNs 80066694, 80032528, 80071637)  
COSMETICS: INCI name Silver Hydrosol 231-131-3 (I) (See 2 pages Attached from PCC)  
**Additional Information:** Product is manufactured in a cGMP certified facility.  
Certifying entities include: NSF-ANSI 173 Section 8 for compliance with 21CFR111 (certificate # C0214587-DS-3]; compliance with 21 CFR 117 and 21 CFR 507, and Health Canada under Part III of the NNHPD regulations.

### 1.3 Details of the supplier of the safety data sheet:

**Manufacturer & Supplier:** Natural Immunogenics Corp.  
7504 Pennsylvania Ave  
Sarasota, FL 34243  
**Telephone:** 1-888-328-8840 – (1)941-702-6100  
**Fax:** 1-941-702-6101

### 1.4 EMERGENCY TELEPHONE NUMBER:

**CHEMTREC:** 1-800-424-9300

---

## SECTION 2: HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture:** Not a hazardous substance or mixture; product is for human and animal ingestion (cats, dogs & horses) and for use as a raw material in cosmetics.

**2.2 Label elements:** Not a hazardous substance or mixture

**2.3 Other hazards:** None

---

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

# Safety Data Sheet *(adapted to NIOSH formatting)*

**Product name: Bio-Active Silver Hydrosol, 23 ppm**  
Revision date: April 19<sup>th</sup>, 2021

Version: 1.0 / EN  
Print date: 04/19/21

## 3.1 Description of the Mixtures

Component	Quantity	CAS-No.	EC-No.
Pharmaceutical Grade Purified Water Meeting USP standards	99.9977%	7732-18-5	231-791-2
Ultra-pure Silver per IUPAC	0.0023%	7440-22-4	231-131-3

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

#### In case of skin contact:

Not applicable, not irritant to the skin.

#### In case of eye contact:

Not applicable.

### 4.2 Most important symptoms and effects, both acute and delayed:

Not Applicable; use as labelled; see also section 11.

### 4.3 Immediate medical attention and special treatment needed: No data available.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media: Not a flammable material

### 5.2 Special hazards arising from the substance or mixture: Not Applicable No data available

### 5.3 Advice for fire-fighters: Not Applicable – Not a flammable material

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures:

Not Applicable - No special precautions required.

### 6.2 Environmental precautions: Not Applicable – See also section 13 for disposal.

### 6.3 Methods and material for containment and cleaning up:

Not Applicable – treat as standard water clean-up

## SECTION 7: HANDLING AND STORAGE

# Safety Data Sheet *(adapted to NIOSH formatting)*

**Product name: Bio-Active Silver Hydrosol, 23 ppm**  
Revision date: April 19<sup>th</sup>, 2021

Version: 1.0 / EN  
Print date: 04/19/21

**7.1 Precautions for safe handling:** No special handling is required. Do not use if safety seal is broken.

**7.2 Conditions for safe storage, including any incompatibilities:** No special conditions for safe storage are required.

**7.3 Specific end uses:** As per section 1.2

---

## SECTION 8: EXPOSURE CONTROLS – PERSONAL PROTECTION

**8.1 Control parameters & Occupational exposure limits:** No data available for Silver Hydrosol

**8.2 Exposure controls & Appropriate engineering controls:** Handle in accordance with good general hygiene and safety practices.

**Personal protective equipment:**

**Eye / Face protection:** Not applicable.

**Skin protection:** Not applicable.

**Respiratory protection:** Not applicable.

---

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

a) Appearance Form	liquid, Colorless
b) Odor	Odorless
c) Odor Threshold	No data available
d) pH	5.5-7.5
e) Melting point/freezing point	0 °C
f) Initial boiling point and range	No data available
g) Flash point	Not applicable
h) Evaporation rate	No data available
i) Flammability (solid, gas)	Not applicable
j) Upper/lower flammability	Not applicable
k) Vapor pressure	No data available
l) Vapor density	No data available
m) Relative density	No data available
n) Water solubility	Not applicable
o) Partition coefficient	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	Water: 0.0091 poise at 25 °C
s) Explosive properties	No data available
t) Oxidizing properties	No data available

# Safety Data Sheet *(adapted to NIOSH formatting)*

**Product name:** Bio-Active Silver Hydrosol, 23 ppm  
**Revision date:** April 19<sup>th</sup>, 2021

**Version:** 1.0 / EN  
**Print date:** 04/19/21

---

## SECTION 10: STABILITY & REACTIVITY

- 10.1 Reactivity:** Not a reactive material
- 10.2 Stability:** Stable under recommended storage conditions (room temperature)
- 10.3 Possibility of hazardous reactions:** Not a hazardous material, not applicable
- 10.4 Conditions to avoid:** Use as directed on the product label
- 10.5 Incompatible materials:** No data available
- 10.6 Hazardous decomposition products:** Not applicable
- 

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

- Acute toxicity:** the only data available is based on the evaluation of pure elemental silver.  
LD50 Oral – Rat – male -> 5,000 mg/kg
- |   |  |
|---|--|
| <b>Skin corrosion/irritation:</b>         | Non-corrosive, non-irritating                  |
| <b>Eye damage/irritation:</b>             | Not applicable                                 |
| <b>Respiratory or skin sensitization:</b> | Not applicable                                 |
| <b>Germ cell mutagenicity:</b>            | Not applicable – No Mutagenicity               |
| <b>Carcinogenicity:</b>                   | Non-carcinogenic                               |
| <b>Phototoxicity / Cytotoxic:</b>         | Non phototoxic/cytotoxic per OECD 432 analysis |
- 

## SECTION 12: ECOLOGICAL INFORMATION

- |   |   |
|---|---|
| <b>12.1 Toxicity:</b>                           | No data available   |
| <b>12.2 Persistence and degradability:</b>      | No data available   |
| <b>12.3 Bioaccumulative potential:</b>          | No data available   |
| <b>12.4 Mobility in soil:</b>                   | No data available   |
| <b>12.5 Results of PBT and vPvB assessment:</b> | Not available, chemical safety<br>Assessment not required |
-

# Safety Data Sheet *(adapted to NIOSH formatting)*

**Product name: Bio-Active Silver Hydrosol, 23 ppm**  
Revision date: April 19<sup>th</sup>, 2021

Version: 1.0 / EN  
Print date: 04/19/21

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods:** Product / Packaging disposal: Treat as standard household disposal; consider recycling the glass bottle.

---

## SECTION 14: TRANSPORT INFORMATION

**DOT (US); IMDG; IATA:** Not a dangerous goods or substance

---

## SECTION 15: REGULATORY INFORMATION

### California Prop. 65 Components

**This product does not contain any chemicals known to Office of Environmental Health Hazard Assessment (OEHHA) to cause cancer, birth defects, or any other reproductive harm.**

---

## SECTION 16: ADDITIONAL INFORMATION

This SDS document is intended to evolve over time as new information becomes available. The information provided in this SDS for Silver Hydrosol relates only to the product designated herein (marketed under the Argentyn 23 brand name) and does not relate to its use in combination with any other material or in any other process. To the best of our knowledge, and in good faith, the information contained herein is accurate.

This product has been legally marketed in the USA since 1999 as a Dietary Supplement. In Canada, this product has been evaluated for its safety and efficacy by the risk assessment division of the Canadian Natural & Non-Prescription Health Product Directorate and classified as a Trace Element. As a raw material in Cosmetics, this product has been used since 2012.

Please contact Natural Immunogenics Corp. for any additional information.

Kay Mitchen  
Director of Regulatory Affairs & Quality  
(1)941-702-6100  
[KMitchen@n-icorp.com](mailto:KMitchen@n-icorp.com)