

FOR ANY EMERGENCY, 24 HOURS / 7 DAYS, CALL:	1-800-654-6911 (OUTSIDE USA: 1-423-780-2970)
FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTREC@:	1-800-424-9300 (OUTSIDE USA: 1-703-527-3887)
FOR ALL SDS QUESTIONS & REQUESTS, CALL:	1-800-511-MSDS (OUTSIDE USA: 1-423-780-2347)

PRODUCT NAME: **APPLIED BIOCHEMISTS SILVERTRINE**

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Supplier**  
**Applied Biochemists**  
**1400 Bluegrass Lakes Parkway ,**  
**Alpharetta, GA, 30004**  
**USA**

**Telephone: +17705215999**  
**Telefax: +17705215999**  
**Web: www.poolspacare.com**

REVISION DATE: 03/10/2017  
 SUPERCEDES: 08/21/2015  
 MSDS Number: 000000024511  
 SYNONYMS:  
 CHEMICAL FAMILY: None  
 DESCRIPTION / USE: None established  
 FORMULA: None established

**Manufacturer**  
**Advantis Technologies**  
**1200 Bluegrass Lakes Parkway**  
**Alpharetta, GA 30004**  
**United States of America (USA)**

## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification

Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200

### GHS label elements

Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200  
 Based on available data, the classification criteria are not met. Handle in accordance with good industrial hygiene and safety practice.

Precautionary statements : **Prevention:**  
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
 P262 Do not get in eyes, on skin, or on clothing.  
 P280 Wear protective gloves/ protective clothing/ eye protection/  
 face protection.  
 P270 Do not eat, drink or smoke when using this product.

**Response:**

P314 Get medical advice/ attention if you feel unwell.

**Storage:**

P410 + P403 Protect from sunlight. Store in a well-ventilated place.

P402 + P404 Store in a dry place. Store in a closed container.

**Disposal:**

P501 Dispose of contents/container in accordance with local regulation.

**Other hazards**

None known.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>CAS OR CHEMICAL NAME</u>	<u>CAS #</u>	<u>% RANGE</u>
CI 77820	7440-22-4	0 - 1

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**SECTION 4. FIRST AID MEASURES**

General Advice:	Call a poison control center or doctor for treatment advice. For 24-hour emergency medical assistance, call Arch Chemical Emergency Action Network at 1-800-654-6911. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
Inhalation:	IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Skin Contact:	IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Eye Contact:	IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
Ingestion:	IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

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**SECTION 5. FIREFIGHTING MEASURES**

Flammability Summary (OSHA): Product is not known to be flammable, combustible, pyrophoric or explosive.

#### Flammable Properties

Fire / Explosion Hazards: Material will not ignite or burn.  
 Extinguishing Media: Water  
 Fire Fighting Instructions: Use water spray to cool unopened containers. In case of fire, use normal fire-fighting equipment and the personal protective equipment recommended in Section 8 to include a NIOSH approved self-contained breathing apparatus.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Protection for Emergency Situations: Use the personal protective equipment recommended in Section 8 and a NIOSH approved self-contained breathing apparatus.

#### Spill Mitigation Procedures

Air Release: Keep people away from and upwind of spill/leak.  
 Water Release: If the product contaminates rivers and lakes or drains inform respective authorities.  
 Land Release: Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Do not contaminate ponds, waterways or ditches with chemical or used container.  
 Additional Spill Information : Prevent further leakage or spillage if safe to do so. Use personal protective equipment as required. Evacuate personnel to safe areas.

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## SECTION 7. HANDLING AND STORAGE

Handling: Do not take internally. Avoid contact with skin, eyes and clothing. Upon contact with skin or eyes, wash off with water. Avoid breathing mist or vapor.  
 Storage: Keep in a dry, cool place.  
 Incompatible Materials for Storage: Refer to Section 10, "Incompatible Materials."

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Local exhaust ventilation or other engineering controls are normally required when handling or using this product to keep airborne exposures below the TLV, PEL or other recommended exposure limit.

#### Protective Equipment for Routine Use of Product

Respiratory Protection : Wear a NIOSH approved respirator if levels above the exposure limits are possible., Wear a NIOSH approved N95 respirator.  
 Skin Protection : Impervious gloves  
 Eye Protection: Safety glasses with side-shields  
 Protective Clothing Type: Impervious clothing

**Components with workplace control parameters**

Components (CAS-No.)	Value	Control parameters	Basis (Update)
CI 77820 (7440-22-4)	TWA	0.1 mg/m3	ACGIH (02 2014)

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: liquid  
 Form: No data.  
 Color: dark brown  
 Odor: slight  
 Molecular Weight: None established  
 pH : 2.5 - 2.9  
 ()  
 Boiling Point: >212 °F (100 °C)  
 Melting point/freezing point: no data available  
 Bulk Density: ()  
 no data available  
 Vapor Pressure: 24.7 hPa  
 Vapor Density: no data available  
 Viscosity: no data available  
 Solubility in Water: soluble in cold water  
 Partition coefficient n-octanol/water: no data available  
 Evaporation Rate: no data available  
 Oxidizing: None established  
 Volatiles, % by vol.: Not applicable  
 VOC Content: This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489). This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.  
 HAP Content: Not applicable

**SECTION 10. STABILITY AND REACTIVITY**

Stability and Reactivity Summary: Stable under normal conditions.  
 Conditions to Avoid: Heat  
 Chemical Incompatibility: Reducing agents, Organic materials  
 Hazardous Decomposition Products: None known.  
 Decomposition Temperature: No data

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## SECTION 11. TOXICOLOGICAL INFORMATION

### Product Animal Toxicity

Oral LD50 value: LD50 Believed to be > 5,000 mg/kg Rat  
Dermal LD50 value: LD50 Believed to be > 2,000 mg/kg Rabbit  
Inhalation LC50  
value: no data available

Skin Irritation: Not expected to cause irritation.

Eye Irritation: Contact would be expected to cause transient redness if not washed out and left in the eye for an extended period of time., Not considered to be a primary eye irritant.

Skin Sensitization: Not believed to be sensitising to skin.

Acute Toxicity: There are no known or reported target organ effects from acute exposure.

Subchronic / Chronic Toxicity: Not known or reported to cause subchronic or chronic toxicity.

Reproductive and Developmental Toxicity: Not known or reported to cause reproductive or developmental toxicity.

Mutagenicity: Not known or reported to be mutagenic.

Carcinogenicity: This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.

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## SECTION 12. ECOLOGICAL INFORMATION

Overview: Toxic to fish and other aquatic organisms., Do not discharge effluent containing this product into lakes, ponds, streams, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

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## SECTION 13. DISPOSAL CONSIDERATIONS

**CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THE MATERIAL. THE USER OF THE MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS WASTES.**

Waste Disposal Summary : If this product becomes a waste, it will be a nonhazardous waste according to U.S. RCRA regulations. Dispose of in accordance with all Local, State, Federal, and Provincial Environmental Regulations.

Disposal Methods : As a nonhazardous waste, it should be disposed of in accordance with local, state and federal regulations.

## SECTION 14. TRANSPORT INFORMATION

### DOT

Not dangerous goods

### TDG

Not dangerous goods

### IATA

Not dangerous goods

### IMDG-CODE

Not dangerous goods

## SECTION 15. REGULATORY INFORMATION

**This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.**

Signal word : CAUTION!  
Hazard statements : This pesticide is toxic to fish.

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
	7440-22-4	1000	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards**

See above: SECTION 2. Hazard Identification-GHS Classification

**SARA 302**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

**Clean Water Act**

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

**US State Regulations****Massachusetts Right To Know**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know**

No components are subject to the Pennsylvania Right to know act

**New Jersey Right To Know**

No components are subject to the New Jersey Right to know act

**California Prop. 65**

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

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**SECTION 16. OTHER INFORMATION**

Major References : Available upon request.

THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. THE INFORMATION IN THIS MSDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. ARCH CHEMICALS BELIEVES THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION BUT, MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS MSDS IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT ARCH CHEMICALS MSDS CONTROL AT THE PHONE NUMBER ON THE FRONT PAGE TO MAKE CERTAIN THAT THIS DOCUMENT IS CURRENT. .