



# SAFETY DATA SHEET

**Product name** ClearView Silver Strike

**Revision date** 5-18-15

## Section 1 Identification

**Product ID:** Silver Strike  
**Trade Name:** Algaedyn®  
**Synonyms:** Colloidal Silver  
**Chemical Formula:** Not Available  
**CAS Number:** None  
**Product Use:** To Kill and Prevent Algae in Pools

**Supplier:** Oreq Corporation  
42306 Remington Avenue  
Temecula, CA 92590  
951-296-5076

**Emergency Phone#** Chemtrec: 1-800-424-9300

## Section 2 Hazards identification

**GHS CLASSIFICATION:** Health – Skin Irritation – Category 3  
Eye Irritation – Category 2B  
Environmental- Aquatic Toxicity – Acute 2  
Physical - Not a Physical Hazard

**GHS SIGNAL WORD:** WARNING

**HAZARD PICTOGRAMS:**



**Hazard Statement(s)**

H316 - Causes mild skin irritation  
H320 – Causes eye irritation  
H401 - Toxic to aquatic

**Precautionary Statement(s):**

P264 – Wash Skin thoroughly after handling  
P273 – Avoid release to the environment.  
P332+P313 - If skin irritation occurs: Get medical advice/attention  
P305+P351+P338 - If In eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention  
P391 – Collect spillage.  
P501 – Dispose of contents/container according to package label directions.

## Section 3 Composition / Information on ingredients

**Substance**

Principal Hazardous Components: CAS # 7440-22-4

**MIXTURE**

<u>Name</u>	<u>CAS Number</u>	<u>Percent</u>
Colloidal Silver as elemental	7440-22-4	0.8%



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### Section 4 First - aid measures

**General:** Mixture is non-toxic, for specific exposures please see information below:

**Eye:** Eye irritation. Rinse immediately and thoroughly.

**Skin:** Skin may become irritated. Prolonged contact may lead to cosmetic discoloration (Argyria). Wash exposed skin and hands thoroughly with soap and water.

**Inhalation:** Mild irritation to mucous membranes. Remove from area and seek fresh air.

**Ingestion:** Induce vomiting. Contact Physician.

### Section 5 Fire - fighting measures

**Suitable Extinguishing Media:** Water

**Fire Fighting Procedures:**  
**Small Fire:** Water  
**Large Fire:** Use water spray.

**Unusual Fire and Explosion Hazards:** When dried, may react with organic reducing agents to produce a flammable product.

**Combustion Products:** Decomposes at 444°C to emit NO<sub>x</sub>

### Section 6 Accidental release measures

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

**For non-emergency personnel:**  
**Emergency procedures:** Wear adequate protective clothing to clean spill. For eyes, wear goggles or a facemask, for skin, wear long pants, long sleeves, a rubber or plastic apron and elbow length neoprene gloves. No respiratory protection needed in normal usage conditions. Ventilate with fresh air.

**For emergency responders:**  
**Protective equipment:** Same as for non-emergency personnel  
**Emergency procedures:** Same as for non-emergency personnel

**Environmental precautions:** This pesticide is toxic to fish and aquatic invertebrates. Precautions should be taken to avoid full strength Algaedyn® being released into sewers and waterways.

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

**For containment:** For larger spills, dike area and pump into waste containers. Put into a labeled container and provide safe disposal.

**Small Spill:** May be mopped up or flushed away with water or absorbed on some absorbent material and incinerated.



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### Section 7 Handling and storage

**Precautions for safe handling:**

Keep away from heat. Keep away from sources of ignition. Do not breathe gas/fumes/vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes.

**Conditions for safe storage, including any incompatibilities**

**Technical measures:** None Available

**Storage conditions:** Store in original opaque containers and place in locked storage area. Keep from freezing.

**Incompatible materials:** Do not contaminate water, food, or feed by storage or disposal.

**Prohibitions on mixed storage:** No prohibitions

**Storage area:** Store in a locked area.

**Special rules on packaging:** Inspect all incoming containers before storage to ensure containers are properly labeled and not damaged.

**Specific end use(s)**

Algaedyn® activates the floor and walls of swimming pools, giving them a residual and continuing algaecide action. Completely effective against black algae and most other types of algae normally found in swimming pools.

### Section 8 Exposure controls / personal protection

**Exposure Limits**

**Silver**

**TWA:** 0.01 (mg/m<sup>3</sup>) from NIOSH (REL) [United States]

**TWA:** 0.01 (mg/m<sup>3</sup>) from OSHA (PEL) [United States]

**Exposure controls**

**Appropriate engineering controls:**

Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Personal protective equipment:** Splash goggles. Lab coat. Gloves.

**Personal protection in case of a large spill:** Splash goggles. Lab coat. Vapor respirator. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

### Section 9 Physical and chemical properties

<b>Physical state:</b>	Liquid
<b>Color:</b>	Dark Brown Liquid
<b>Odor:</b>	Slight Odor
<b>Odor threshold:</b>	Not applicable
<b>pH:</b>	6.7
<b>Relative evaporation rate (butyl acetate=1):</b>	No data available
<b>Melting point:</b>	No data available
<b>Freezing point:</b>	No data available
<b>Boiling point:</b>	The lowest known value is 100°C (212°F) (Water)

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<b>Flash point:</b>	Not applicable
<b>Self-ignition temperature:</b>	Not applicable
<b>Decomposition temperature:</b>	No data available
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid, gas):</b>	No data available
<b>Upper/lower flammability or explosive limits:</b>	No data available
<b>Vapor pressure:</b>	The highest known value is 2.3kPa (at 20°C) (Water)
<b>Vapor density:</b>	The highest know value is 0.62 (Air = 1) (Water)
<b>Relative density:</b>	No data available
<b>Solubility:</b>	Soluble in cold water, hot water, dispersible in water.
<b>Partition coefficient:</b>	n-octanol/water; No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity, kinematic:</b>	No data available
<b>Viscosity, dynamic:</b>	No data available

**Section 10 Stability and reactivity****Stability/Incompatibility:**

Product is Stable. Avoid organics, reducing agents. Avoid excessive temperatures above 120°F

**Hazardous Reactions/Decomposition Products:**

Decomposes at 444°C to emit NO<sub>x</sub>

**Section 11 Toxicological information**

**Signs and Symptoms of Overexposure:** Irritation to the skin, irritation to the eyes.

**Acute Effects:**

<b>Eye Contact:</b>	irritation
<b>Skin Contact:</b>	irritation
<b>Inhalation:</b>	no data available
<b>Ingestion:</b>	no data available
<b>Target Organ Effects:</b>	no data available

**Chronic Effects:** Skin will turn grayish blue (Argyria).  
Argyria is a known medical condition caused by over exposure to silver.

**Medical Conditions Aggravated by Exposure:** no data available

**Acute Toxicity Values**

No data available

**Section 12 Ecological information**

**Ecotoxicity:** The ecological characteristics of this product have not been fully investigated.  
The product should not be discharged unmonitored into the environment.

<b>Persistence and degradability:</b>	No data available
<b>Bio accumulative potential:</b>	No data available
<b>Mobility in soil:</b>	No data available



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### Section 13 Disposal considerations

**Pesticide Disposal:** Securely wrap original container in several layers of newspaper and discard in trash. Consult federal, state or local disposal authorities for approved alternative procedures such as limited open burning.

**Container Disposal:** Non refillable container. Do not reuse or refill Algaedyn® containers. Offer for recycling if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal.. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

### Section 14 Transport information

**DOT** Not Regulated

Proper shipping name: Silver Algaedyn®\*  
NMFC #50312 Swimming Pool Water Treating Liquid Compounds

\* Silver Algaedyn® is not a DOT regulated hazardous material, no labels required, no placards required

### Section 15 Regulatory information

**USA** This product is registered under FIFRA.

This chemical is a pesticide product registered by the 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, and for workplace labels of non-pesticide chemicals.

US EPA Pesticide Registration No. 68161-1

FIFRA label: **CAUTION\***

\* This SDS uses the signal word **WARNING** according to the GHS labeling requirements in place of the FIFRA required signal word **CAUTION** as used on this products container labeling.

### Section 16 Other information

**DATE OF PREPARATION**  
**5-18-2015**

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