SAFETY DATA SHEET **SDS Revision Date: January 22, 2025**

AgriPhage SalmoPro™

SECTION 1: Identification

PRODUCT NAME: **AgriPhage SalmoPro™**
FDA GRAS #: **000752**
MANUFACTURER: **OmniLytics, Inc.**
ADDRESS: **9075 South Sandy Parkway, Sandy, Utah 84070**
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PRODUCT USE: **AgriPhage SalmoPro™** is intended for use as an antimicrobial processing aid to control *Salmonella* on food, when applied to food surfaces up to $1x10^8$ PFU (Plaque Forming Units) per gram of food.

SECTION 2: Hazard(s) Identification

As bacteriophages are not hazardous, toxicology information is based on the non-hazardous inert buffer solution (0.1M sodium citrate & 0.5M sodium chloride) that makes up 99.999% of AgriPhage SalmoPro™.

Classification according to the Hazard Communication Standard (HCS):

AgriPhage SalmoPro™ is not a hazardous substance or mixture

Hazard Statement:

AgriPhage SalmoPro™ is not a hazardous substance or mixture

Health Hazards:

Skin Contact:	Contact is unlikely to cause injury
Eye Contact:	Contact is unlikely to cause injury
Inhalation:	Inhalation is unlikely to cause injury
Ingestion:	Ingestion is unlikely to cause injury

Environmental Hazard:
No known environmental hazards.

Routes of Entry: Dermal, Eyes, Inhalation, Ingestion

Occupational Exposure Limits:
Threshold Limit Values: None listed
Permissible Exposure Limits: None listed

SECTION 3: Composition/Information on Ingredients

Chemical Name: Bacteriophages active against *Salmonella* species
Common Name: AgriPhage SalmoPro™
CAS #: Not applicable
FDA GRAS #: 000752
Active Ingredient: 0.001% (Bacteriophages)
Inert Ingredients: 99.999% (0.1M sodium citrate & 0.5M sodium chloride)

SECTION 4: First-Aid Measures

General Information: Immediately remove any clothing soiled by the product.

Symptoms: Possible symptoms may be eye, skin, or throat irritation.

Dermal: Rinse skin immediately with plenty of water for 2-5 minutes.
If skin irritation continues, consult a doctor.

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 the eye.
If eye irritation continues, consult a doctor.

Inhalation: If inhaled, supply fresh air.
Consult a doctor if symptoms persist.

Ingestion: Drink 2-3 glasses of water.
Consult a doctor if symptoms persist.

SECTION 5: Fire-Fighting Measures

AgriPhage SalmoPro™ is Non-Flammable.

Suitable Extinguishing Media:	Not applicable
Specific Hazards:	None known
Advice for Firefighters:	No special advice

SECTION 6: Accidental Release Measures

If material is spilled or released, recover the free product. Use absorbent material to minimize runoff of spilled product, and clean up with an absorbent cloth and mild cleanser as normal. AgriPhage SalmoPro™ is not a hazard.

SECTION 7: Handling and Storage

Container Handling: Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) 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. Then offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Method of Storage: Store at 4°C. Product in packaging should be stored in a secure, protected area. Shaded or darkened space is recommended. Moisture and humidity should be kept to a minimum to maintain the integrity of corrugated paper packaging.

SECTION 8: Exposure Controls/Personal Protection

Engineering Controls:	No specialized engineering controls are required.
Ventilation:	No specialized ventilation is required.
Personal Protective Equipment:	No specialized PPE is required.
Eye Protection:	Avoid contact with eyes.
Hygienic Practices:	Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

SECTION 9: Physical and Chemical Properties

General Information

Appearance:	
Physical State:	Liquid
Color:	Opalescent
Odor:	None to Slight (pure solution & working solution)
Odor Threshold:	Not Determined
pH:	7.0-8.0 (pure solution & working solution)
Freezing Point:	0°C (32°F)
Boiling Point:	100°C (212°F)
Flash Point:	Not Applicable
Evaporation Rate:	Not Determined
Flammability:	Not Applicable
Dangers of Explosion:	Product does not present an explosion hazard.
Vapor Pressure:	Not Determined
Vapor Density:	Not Determined
Relative Density to water:	0.995 – 1.000 g/ml
Solubility:	Fully Miscible
Partition Coefficient:	Not Determined
Autoignition Temperature:	Product is not self-igniting
Decomposition Temperature:	Not Determined
Viscosity:	Not Determined

SECTION 10: Stability and Reactivity

Reactivity:	Stable
Chemical Stability:	Stable
Hazardous Reactions:	None known
Conditions to Avoid:	No known conditions to avoid.
Incompatible Materials:	None known
Hazardous Decomposition Products:	No dangerous decomposition products are known.

SECTION 11: Toxicology Information

As bacteriophages are not hazardous, toxicology information is based on the non-hazardous inert buffer solution (0.1M sodium citrate & 0.5M sodium chloride) that makes up 99.999% of AgriPhage SalmoPro™.

Likely Routes of Exposure:	Dermal, Eyes, Inhalation, Ingestion
Acute Toxicity:	No data available
Inhalation:	No data available
Dermal:	No data available
Skin Corrosion/Irritation:	No data available
Serious Eye Damage/Irritation:	No data available
Respiratory or Skin Sensitization:	No data available
Mutagenic Effects:	No known effects
Carcinogenicity:	No known effects
Reproductive Toxicity:	No known effects

AgriPhage SalmoPro™ does not contain any known hazards or have any toxic effects.

SECTION 12: Ecological Information

AgriPhage SalmoPro™ has no known hazards to any ecological systems.

SECTION 13: Disposal Considerations

WASTE DISPOSAL METHOD: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Triple rinse empty containers and offer for recycling, or puncture and dispose of in an approved sanitary landfill.

SECTION 14: Transport Information

UN/NA #:	Not Classified
Proper Shipping Name:	None
Transport Hazard Class:	Not Hazardous
Packaging Group:	Not Applicable
Environmental Hazards:	None

SECTION 15: Regulatory Information

AgriPhage SalmoPro™ is generally recognized as safe (GRAS) and has been reviewed by FDA and FSIS.

SECTION 16: Other Information

To the best of our knowledge, the information contained herein is accurate. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. OmniLytics, Inc. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product