

---

**SECTION 1: Identification**

---

PRODUCT NAME: AGRIPHAGE™-FIRE BLIGHT  
EPA Registration #: 67986-8-70051  
DISTRIBUTOR: Certis USA LLC  
ADDRESS: 9145 Guilford Road, Suite 175, Columbia MD 21046  
PHONE: +1 (301) 604-7340  
TOLL FREE: +1 (800) 847-5620  
FAX: +1 (301) 604-7015

PRODUCT USE: AGRIPHAGE-FIRE BLIGHT is a bactericide that is comprised of a formulation of bacteriophage to be used as a preventive and curative product for the control of fire blight (caused by the bacterium *Erwinia amylovora*) on apples and pears.

---

**SECTION 2: Hazard(s) Identification**

---

Classification according to the Hazard Communication Standard (HCS):



Mild Skin and Eye Irritant

HAZARD STATEMENTS: CAUTION, Keep out of Reach of Children

**Physical Hazards:**

Explosive: No  
Flammable: No  
Oxidizing: No  
Gases under Pressure: No  
Self-Reactive: No  
Phosphoric: No  
Corrosive: No  
CARCINOGEN: No

**Health Hazards:**

Acute Toxicity: Category 5  
Skin Corrosion: No  
Skin Irritation: Category 3  
Eye Irritation: Category 2B  
Sensitization: No

**Environmental Hazard:**

No known environmental hazards.  
EPA Registration # 67986-8-70051

Routes of Entry: Dermal, Eyes, Inhalation, Ingestion

---

**SECTION 3: Composition/Information on Ingredients**

---

Chemical Name: Bacteriophage active *Erwinia amylovora*.  
Common Name: AGRIPHAGE™-FIRE BLIGHT  
EPA Registration #: 67986-8-70051

Active Ingredient: 0.0001%  
Inert Ingredients: 99.9999%

---

#### SECTION 4: First-Aid Measures

---

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

Symptoms: Possible symptoms may be eye and skin irritation.

Dermal: Rinse skin immediately with plenty of water for 15-20 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 eye. If eye irritation continues, consult a doctor.

Inhalation: Supply fresh air. Consult doctor if symptoms persist.

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

---

#### SECTION 5: Fire-Fighting Measures

---

AGRIPHAGE™-FIRE BLIGHT is Non-Flammable.

Suitable Extinguishing Media:	Any
Specific Hazards:	None known
Advice for Firefighters:	No special advice

---

#### SECTION 6: Accidental Release Measures

---

If material is spilled or released, recover free product. Use absorbent material to minimize runoff of spilled product, clean up with absorbant cloth and mild cleanser as normal.

---

#### SECTION 7: Handling and Storage

---

Container Handling: Nonrefillable 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 this product under refrigerated conditions (approximately 39.2°F (4°C)) and in a dry area. Direct sunlight and/or extreme heat may cause degradation of the product and decrease product efficacy.

---

#### SECTION 8: Exposure Controls/Personal Protection

---

RESPIRATORY PROTECTION: Avoid spray mist.

VENTILATION: Use under ventilated conditions.

PROTECTIVE CLOTHING: Long Sleeved Shirt, Long Pants, Waterproof Gloves, Shoes plus socks.

EYE PROTECTION: Avoid contact with eyes. Use eye protection.

HYGIENIC PRACTICES: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

---

## SECTION 9: Physical and Chemical Properties

---

### General Information

Appearance:	
Form:	Liquid
Color:	Golden Yellow
Odor:	None to Slight
Odor Threshold:	Not Determined
pH:	6.0-7.5
Freezing Point:	0°C (32°F)
Boiling Point:	100°C (212°F)
Flash Point:	Not Applicable
Evaporation Rate:	Not Determined
Flamability:	Not Applicable
Dangers of Explosion:	Product does not present an explosion hazard.
Vapor Pressure:	Not Determined
Vapor Density:	Not Determined
Relative Density to water:	1.000 - 1.005 g/ml
Solubility:	Fully Miscible
Partition Coefficient:	Not Determined
Autoignition Temperature:	Product is not selfigniting
Decomposition Temperature:	Not Determined

---

## SECTION 10: Stability and Reactivity

---

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 known.

---

## SECTION 11: Toxicology Information

---

### Dermal

Symptoms:	Mild skin irritation
Delayed/Long-Term Effects:	No known delayed or long-term effects.
Dermal LD <sub>50</sub> :	Not Determined

### Eyes

Symptoms:	Mild eye irritation
Delayed/Long-Term Effects:	No known delayed or long-term effects.
Draize Score @ 24 Hours:	Not Determined

### Inhalation

Symptoms:	None known
Delayed/Long-Term Effects:	No known delayed or long-term effects.
Acute Inhalation LC <sub>50</sub> :	Not Determined

### Ingestion

Symptoms:	None known
Delayed/Long-Term Effects:	No known delayed or long-term effects.
Measures of Toxicity:	Not Determined

---

## SECTION 12: Ecological Information

---

AGRIPHAGE™-FIRE BLIGHT has no known hazards to any ecological systems.

---

**SECTION 13: Disposal Considerations**

---

WASTE DISPOSAL METHOD: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

---

**SECTION 14: Transport Information**

---

D.O.T. Transportation Information (49 CFR §172.101)

UN Number: None  
Proper Shipping Name: None  
Hazard Class: None  
Packaging Group: Not Applicable

---

**SECTION 15: Regulatory Information**

---

AGRIPHAGE™-FIRE BLIGHT is registered with the U.S. Environmental Protection Agency.  
EPA Registration #: 67986-8-70051

---

**SECTION 16: Other Information**

---

To the best of our knowledge, the information contained herein is accurate. However, neither OmniLytics, Inc nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All material 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 which exist.

SDS Authoring Information:

Revision date:	January 28, 2019
Date of Previous version:	None
Reason for Revision	New Product
SDS Prepared by:	Certis USA LLC

---