

MATERIAL SAFETY DATA SHEET

AgriPhage™

FILE NO.: rs005-msds-ol
MSDS DATE: Dec 9, 2005

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AgriPhage™
EPA Registration #: 67986-1

MANUFACTURER: OmniLytics, Inc.
DIVISION: AgriPhage Business Unit (ABU)
ADDRESS: 5450 W. Wiley Post Way, Salt Lake City, Utah 84116

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PRODUCT USE: Used for treatment of bacterial disease in agricultural crops, notably bacterial spot (*Xanthomonas campestris* pv *vesicatoria*) and bacterial speck (*Pseudomonas syringae* pv *tomato*)

EMERGENCY OVERVIEW

Color: Light Brown
Form: Liquid
Odor: Slight, yeast-like

Primary Hazards: None known

- Non-toxic, Non-combustible
- If exposed, rinse thoroughly with clear water.
- If ingested, drink 1-3 glasses of clear water

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

ACTIVE INGREDIENT: Naturally-occurring bacteriophage of *Xanthomonas campestris* pv *vesicatoria* and *Pseudomonas syringae* pv *tomato*.

ALL OTHER INGREDIENTS INERT.

PHYSICAL DATA

BOILING POINT:	95°C–100°C	SPECIFIC GRAVITY:	1.1 g/mL
VAPOR PRESSURE:	Not Determined	EVAPORATION RATE:	Not Determined
VAPOR DENSITY:	Not Determined	ODOR:	Earthy, slight, yeast-like
PHYSICAL STATE:	Liquid	APPEARANCE:	Tan/light brown
WATER SOLUBILITY:	Soluble	CORROSION:	N/A
OXIDIZING REDUCING ACTION	N/A	PH	6.5–6.8
VISCOSITY:	~1.14 x 10 ⁻³ Poise (estimated from viscosity of major constituent)		

SECTION 3: HAZARDS IDENTIFICATION

HAZARD STATEMENTS:	CAUTION, Keep out of Reach of Children
EXPOSURE SIGNS AND SYMPTOMS:	AgriPhage does not reproduce in mammalian cells.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	N/A
THRESHOLD LIMIT VALUE:	N/A
ROUTES OF ENTRY:	Inhalation, Broken Skin, Eyes, Oral
NTP LISTING:	Not Listed
CARCINOGEN:	NO

SECTION 4: FIRST AID MEASURES

SKIN: Wash affected area with mild soap and water.

EYE: Immediately flush with water for 15 minutes while holding eyelids open. Seek medical attention if irritation persists.

INHALATION: Remove individual to fresh air.

INGESTION: Drink 2-3 glasses of water. Seek medical attention if irritation persists.

RESPIRATORY PROTECTION: Avoid spray mist.

VENTILATION: Use under ventilated conditions.

PROTECTIVE CLOTHING: Long-sleeved shirt and long pants. Shoes and socks.

EYE PROTECTION: Avoid contact with eyes. Use goggles.

HYGIENIC PRACTICES: Wash hands before eating.

SECTION 5: FIRE-FIGHTING MEASURES

Agriphage is non-flammable

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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

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.

METHOD OF STORAGE: Store at or below room temperature. 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 integrity of corrugated paper packaging.

SECTION 8: STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY): Avoid excessive heat or continued UV exposure

INCOMPATIBILITY (MATERIAL TO AVOID): Efficacy may be reduced if exposed to denaturizing agents such as copper solvents

SECTION 9: 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.

