

SECTION 1: IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY / UNDERTAKING

Product Name: BioWake Prime

EPA Reg. No. 95699-2-5481

SDS Number: 810

Product Use: Biological Insecticide

Supplier Address: AMVAC Chemical Corporation
4695 MacArthur Court, Suite 1200
Newport Beach, CA 92660 USA

Telephone: 949-260-1200
Product Use: 888-462-6822

Fax: 949-260-6270

Website: www.amvac.com

E-mail: CustServ@amvac.com

Emergency Numbers: Medical: 888-681-4261
CHEMTREC: 800-424-9300 (outside the US +1-703-527-3887)

SECTION 2: HAZARDS IDENTIFICATION

Hazard Classification: Not Classified as hazardous

GHS Label Elements: Not applicable

Hazards Not Otherwise Classified: Direct contact with skin or eyes may cause slight irritation in some individuals. Inhalation of dust may cause respiratory tract irritation in some individuals.

Percentage of Ingredients with Unknown Toxicity: None

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Percent
<i>Methylostrum extorquens</i> Strain NLS0042	Not applicable	2%
Mixture of inert ingredients	Not applicable	98%

SECTION 4: FIRST AID MEASURES

General:	Remove from source of exposure. If irritation or other signs of toxicity occur, seek medical attention.
Eyes:	Hold eye open and rinse slowly and gently with plenty of water for at least 15 minutes. If present, remove contact lenses and continue rinsing eye. Call a poison control center or doctor for treatment advice.
Skin:	Remove contaminated clothing. Thoroughly wash skin with plenty of soap and water. Call a poison control center or doctor for treatment advice.
Inhalation:	Move person to fresh air. If person is not breathing, call an ambulance, then give artificial respiration. Call a poison control center or doctor for treatment advice.
Ingestion:	Call a doctor immediately if a large amount is swallowed. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.

SECTION 5: FIRE FIGHTING MEASURES

General:	Use methods and protective gear that are appropriate for the conditions and size of the fire.
Extinguishing Media:	Use appropriate media for underlying cause and combustibles involved in the fire.
Special Equipment:	Self-contained breathing apparatus and full protective gear according to the conditions and size of the fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear suitable protective clothing such as eye protection, long-sleeved shirt, pants, waterproof gloves, and shoes with socks.
Methods for Clean up:	Avoid generating dust during clean up. Carefully mop or sweep up spill and place in a closed container for disposal in accordance with local ordinances.
Environmental Precautions:	Prevent entry to drains, waterways, and public waters.

Section 6 Notes: Refer to section 8 for personal protection and section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:	Use handling procedures that minimize the formation of dust.
Storage Conditions:	Store the original container in a cool, dry, well-ventilated place out of direct sunlight. Keep container closed when not in use. Do not contaminate other pesticides, fertilizers, water, or feed by storage or disposal. Empty container and dispose of in accordance with all applicable federal, state, and local environmental regulations.

Section 7 Notes: avoid contact with skin, eyes and clothing. Avoid inhalation of dust. Wash any contamination from skin or eyes immediately. Wash hands and exposed skin before eating, drinking, smoking or using the toilet.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

General:	Protective clothing should be selected according to the conditions likely to be encountered in the workplace. Applicators should follow label instructions. No exposure limits have been established.
Engineering Controls:	Use process enclosures, local exhaust ventilation, or other engineering controls to reduce airborne exposure at locations/operations where dust may be generated.

Personal Protective Equipment (PPE):

Respiratory:	Use a NIOSH approved respirator with an N99, R99, P99 or HE filter for biological products
Eyes and Face:	Safety glasses or goggles with side shields are recommended when using product.
Hands / Skin:	Gloves made from chemically resistant material such as neoprene, vinyl, rubber, or nitrile.
Other clothing:	Wear suitable protective clothing such as long-sleeved shirt, pants, and shoes with socks.
Hygienic Practices:	Wash any contamination from skin or eyes immediately. Wash hands and exposed skin before eating, drinking, smoking, or using the toilet.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid
Appearance	Powder
Color	Off-white to slightly pink
Odor	Slightly earthy, sweet
pH	6.3-7.5 (at 1.00g/L)
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Flammability	No data available
Evaporation rate	No data available
Density	56.2 lb/ft ³ or 0.961 gram/cc
Solubility	Dispersible in water
Partition coefficient n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive limits	No data available
Explosive properties	No data available
Oxidizing properties	No data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	No dangerous reactions known under normal conditions of use.
Chemical Stability:	Stable under normal conditions.
Possibility of hazardous reaction:	No dangerous reactions known under normal conditions of use.
Conditions to avoid:	None that are known.
Hazardous decomposition products:	None that are known.
Hazardous Polymerization:	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity (oral)	>5000 mg/kg (rat). Not classified
Acute toxicity (dermal)	>5000 mg/kg (rat). Not classified
Acute toxicity (inhalation)	Not infective or pathogenic
Skin corrosion/irritation	Slightly irritating to the skin
Serious eye damage/irritation	No- mildly irritating to the eye
Respiratory or skin sensitization	Not classified
Symptoms after inhalation	May cause irritation to the respiratory tract.
Symptoms after skin contact	May cause skin irritation.
Symptoms after eye contact	May cause eye irritation.
Symptoms after ingestion	May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Other information	Likely routes of exposure: ingestion, inhalation, skin, and eye.

SECTION 12: ECOLOGICAL INFORMATION

Persistence and degradability:	Not established.
Bioaccumulative potential:	Bioaccumulation unlikely
Mobility in soil:	No additional information available
Other adverse effects:	No other effects known.

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water or rinsate.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal method:	Do not reuse containers. Open dumping or burning of this material or its packaging is prohibited. If spilled material cannot be disposed of by use according to label instructions, <u>one</u> acceptable method of disposal is to incinerate in accordance with local, regional, and national environmental regulations.
Empty container:	Completely empty package into application equipment, rinse with water and add rinsate to application equipment. Dispose of empty package in accordance with applicable environmental regulations.

Section 13 Notes: Regulatory requirements are subject to change and acceptable methods of disposal can vary by location. The appropriate agencies should be contacted for advisement prior to disposal.

SECTION 14: TRANSPORT INFORMATION

Land:	ADR/RID Class	Not controlled under ADR (Europe)
Water:	IMDG Class	Not controlled under IMDG
Air:	IATA-DGR Class:	Not controlled under IATA
Other:	US DOT Freight Classification	Not regulated Not regulated

SECTION 15: REGULATORY INFORMATION

This product 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 hazardous information required for safety data sheets (SDS) and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

CAUTION

Harmful if inhaled. Avoid breathing spray mist. Causes moderate eye irritation.

Federal Regulations:	All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.
International Regulations:	No additional information available.
US State Regulations:	California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

SECTION 16: OTHER INFORMATION

Revision Date:	29 August 2023
Other Information:	Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

DISCLAIMER:

This information is provided for the limited guidance to the user. While AMVAC believes that the information is, as of the date hereof, reliable, it is the user's responsibility to determine the suitability of the information for its purposes. The user is advised not to construe the information as absolutely complete since additional information may be necessary or desirable when particular, exceptional, or variable conditions or circumstances exist (like combinations with other materials), or because of

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