



SAFETY DATA SHEET

AquaBac® (200G) Biological Larvicide Granules

Effective Date: 20 February 2026
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SECTION 1. Identification of the Substance/Mixture and of the Company

Product Identifier

Formulation Identifier: AquaBac® (200G) Biological Larvicide Granules
Other means of identification: AquaBac® 200G
Registration Number PCPA: 26862, 26863, 27374

Relevant Identified Uses of the Substance or Mixture and Restrictions

Relevant Identified Uses: Insecticide, mosquito larvicide
Restrictions: Use only in accordance with the directions on the label

Details of the Supplier of the Safety Data Sheet

Clarke Mosquito Control Products, Inc
675 Sidwell Court
Saint Charles, IL 60174 USA

Emergency Telephone Number

24-Hour Medical Emergency: POISON CONTROL Toll-free (800) 214-7753
24-Hour Transportation Emergency: INFOTRAC (800) 535-5053

SECTION 2. Hazards identification

Health Canada Pest Management Regulatory Agency
Workplace Hazardous Materials Information System WHMIS (2022)

Classification of the Substance or Mixture

Not Classified.

Other Hazards Not Classifiable Under WHMIS

None.

SECTION 3. Composition/Information on Ingredients

Components

Substance Name	CAS No.	Concentration % w/w
<i>Bacillus thuringiensis</i> subspecies <i>israelensis</i> serotype H-14, strain BMP 144*	68038-71-1	2.86%

*Equivalent to 200 International Toxic Units per milligram (0.20 billion ITU/kg)

Ingredients not identified are non-hazardous and are withheld as trade secret.

SECTION 4. First Aid Measures

Description of First Aid Measures

If on skin or clothing: Rinse skin immediately with plenty of water. Remove contaminated clothing and wash separately before reuse. If irritation occurs and persists or is severe, seek medical attention.

If in eyes: Hold eye open and rinse slowly and gently with water. Remove contact lenses, if present, then continue rinsing eye. If irritation occurs and persists or is severe, seek medical attention.

If inhaled: Move to fresh air, apply respiration if needed and seek medical attention.

If swallowed: Rinse mouth and throat with copious amount of water. DO NOT induce vomiting. Promptly contact a physician or poison control centre. DO NOT give anything by mouth to an unconscious person.

General: Seek medical attention if irritation or sign of toxicity occur and persist or is severe. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

Most Important Symptoms and Effects, Both Acute and Delayed

None



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Indication of Immediate Medical Attention and Special Treatment

Treatment: Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

SECTION 5. Fire-Fighting Measures

Extinguishing Media

Suitable Extinguishing Media: Dry chemical, water spray, foam or carbon dioxide. Use appropriate medium for underlying cause of fire.

Unsuitable Extinguishing Media: None known

Special Hazards Arising From the Substance or Mixture

Specific Hazards: Not determined.

Special Protective Equipment and Precautions for Fire-Fighters

Protection Against Fire: Wear positive pressure, self-contained breathing apparatus.

SECTION 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

General Precautions: For respiratory protection wear a dust mask. Wear eye protection appropriate to handling activities. See personal protection as recommended in Section 8.

Environmental Precautions: Dispose of excess product and washwaters according to local regulation.

Methods and Material for Containment and Cleaning Up

Clean Up Methods: Recover product. Sweep up material and place into appropriate container for disposal. Avoid generating dust. Ventilate and wash spill area.

SECTION 7. Handling and Storage

Precautions for Safe Handling

Handling: Keep out of reach of children. Do not eat or drink while handling the product.

Hygiene Measures: Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Conditions for Safe Storage, Including Any Incompatibilities

Storage: Tightly reclose containers of unused materials. Keep in original container. Do not contaminate water, food or feed by storage or disposal. Store in a secure, cool, dry well-ventilated location. Store in the original container between 0 and 25°C and use within 24 months of the date of manufacture.

SECTION 8. Exposure Controls / Personal Protection

Control Parameters No occupational exposure limit values or biological limit values have been established for the components.

Exposure controls

Engineering Controls: Use local exhaust.

Individual Protection Measures, such as Personal Protection Equipment:

Eye Protection: Safety glasses, goggles or Face Shield.

Skin Protection: Wear suitable protective clothing to minimize skin contact.

Hand Protection: It is good industrial hygiene practice to minimize skin contact. If required or preferred, use suitable protective chemical resistant gloves such as latex, nitrile, or neoprene.

Respiratory Protection: Avoid breathing dust. Use dust / mist filtering respirator meeting NIOSH standards of at least N-95, R-95 or P-95.

SECTION 9. Physical and Chemical Properties



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Information on Basic Physical and Chemical Properties

Appearance:	Granule
Color:	Light yellow to light brown
Odor:	None to slightly acidic
pH:	6.8 – 7.0 (Aq. Sol)
Melting Point:	Not Applicable
Freezing Point:	Not Applicable
Initial Boiling Point:	Not Applicable
Flash Point:	Not Determined
Evaporation Rate:	Not Determined
Flammability:	Non-Flammable
Explosion limits [U/L]:	No explosive properties
Vapor Pressure:	Not Applicable
Vapor Density:	Not Applicable
Bulk Density:	25-30 lb/cu.ft ³
Solubility:	Not Available
Partition Coefficient:	Not Determined
Auto-Ignition Temperature:	Not Determined
Viscosity:	Not Applicable
Decomposition Temperature:	Not Available
Explosive Properties:	Not Available
Oxidizing Properties:	Not Available

SECTION 10. Stability and Reactivity

Reactivity	Hazardous polymerization will not occur.
Chemical Stability	Stable under normal conditions
Possibility of Hazardous Reactions	
Hazardous Reactions:	None under normal conditions
Hazardous Polymerization:	Not known to occur
Conditions to Avoid	Alkalinity inactivates product.
Incompatible Materials	Alkaline environment may denature the active ingredient.
Hazardous Decomposition Products: None known under normal conditions of storage and use	

SECTION 11. Toxicological Information

Direct contact with eyes or skin may cause mild irritation.

Acute Toxicity

Pure Substance	
Oral, Rat LD ₅₀ :	> 5,000 mg/kg-bw
Dermal, Rat LD ₅₀ :	> 2,000 mg/kg-bw
Inhalation, Rat 4-hour, LC ₅₀ :	25.1 mg/L
Dermal Corrosion/Irritation, Rabbit:	Not a skin irritant, non-corrosive
Serious Eye Damage/Irritation, Rabbit:	Not an eye irritant, non-corrosive
Skin Sensitization, Guinea pig:	Not a skin sensitizer
Mutagenicity:	Components of this product are not expected mutagens
Carcinogenicity:	



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NTP	IARC	OSHA	ACGIH
Not listed	Not listed	Not listed	Not listed

SECTION 12. Ecological Information

Ecotoxicity

Product specific data is not available. Data referenced is in relation to the active ingredient, *Bacillus thuringiensis* subspecies *israelensis*

Fish LC₅₀ > 370 mg/L (96-hr, Rainbow trout)

Bird LC₅₀ > 3077 mg/kg (acute oral - Bobwhite quail)

LC₅₀>3077 mg/kg each day for 5 days (Sub-Acute Oral- Bobwhite Quail)

Invertebrates: LC₅₀ > 50 mg/L (48-hr) Daphnia

Bees: Essentially non-toxic to honeybees.

Persistence and Degradability

Not available

SECTION 13. Disposal Considerations

Waste Treatment and Disposal methods

Product can be disposed in a landfill. Large volumes should be sent to a suitable incineration plant, observing local official regulations. Dispose of contaminated packaging materials in an appropriate place in accordance with approved local, state, and federal laws.

SECTION 14. Transport Information

DOT (US)

Not regulated

IMDG (Vessel)

Not regulated

ICAO/IATA (Air transport)

Not regulated

SECTION 15. Regulatory Information

Pest Control Products Act

Product must have PMRA Approved Pesticide Label attached to or accompanying container.

This chemical is a pesticide product registered by the PMRA 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 (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 and limitations for its use.

AQUABAC (200G) Biological Larvicide Granules (5/8) (10/14) - 26862: PRECAUTIONS: KEEP OUT OF REACH OF UNAUTHORIZED PERSONNEL. MAY CAUSE SENSITIZATION. CAUTION EYE IRRITANT. Avoid contact with skin, eyes or clothing. Avoid breathing dust/spray mist. Wear a long-sleeved shirt, long pants, waterproof gloves, shoes and socks, eye goggles and a NIOSH-approved respirator with any N-95, R-95, or P-95 filter for biological products when handling, mixing/loading or applying the product and during all clean-up/repair activities. Applicators may remove gloves, eye goggles and respirators if the design and delivery of the application apparatus reduces exposure to a negligible level (e.g. backpack sprayer with application wands that apply product directly over water surface). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. DO NOT apply directly to treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption.

AQUABAC (200G) Biological Larvicide Granules (10/14) (5/8) - 26863 - PRECAUTIONS: KEEP OUT OF REACH OF UNAUTHORIZED PERSONNEL. MAY CAUSE SENSITIZATION. CAUTION EYE IRRITANT. Avoid contact with skin, eyes or clothing. Avoid breathing dust/spray mist. Wear a long-sleeved shirt, long pants, waterproof gloves, shoes and socks, eye



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goggles and a NIOSH-approved respirator with any N-95, R-95, or P-95 filter for biological products when handling, mixing/loading or applying the product and during all clean-up/repair activities. Applicators may remove gloves, eye goggles and respirators if the design and delivery of the application apparatus reduces exposure to a negligible level (e.g. backpack sprayer with application wands that apply product directly over water surface). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

AQUABAC (200G) Biological Larvicide (10/14) - 27374 - PRECAUTIONS: POTENTIAL SENSITIZER. CAUTION EYE IRRITANT. Avoid contact with skin, eyes or clothing. Avoid breathing dust/spray mist. Wear a long-sleeved shirt, long pants, waterproof gloves, shoes and socks as well as eye goggles when handling or applying the product and during all clean-up activities. Do not apply directly to treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption.

Other U.S. Federal Regulations

TSCA: Exempt

SARA TITLE III CLASSIFICATION

Section 302: None

Section 311/312: None

Section 313: None

CERCLA RQ: None

OSHA HAZARD COMMUNICATION STANDARD: This product is not considered a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

STATE RIGHT-TO-KNOW: National, state, provincial or local emergency planning, community right-to-know or other laws, regulations or ordinances may be applicable-consult applicable national, state, provincial or local laws.

SECTION 16. Other Information

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources we believe to be reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared as is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

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