

# **MATERIAL SAFETY DATA SHEET**

## **AQUABAC DF3000 (BMP 144 DF3000)**

### **MOSQUITO BIOLARVICIDE**

#### **1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**MATERIAL NAME: AQUABAC (BMP 144) DF3000**  
EPA Registration No. 62637-14

**MANUFACTURER: BECKER MICROBIAL PRODUCTS, INC.**  
11146 N.W. 69<sup>th</sup> Place  
Parkland, FL 33076 USA

**EMERGENCY TELEPHONE NUMBERS: 954 345 9321**

#### **2. INGREDIENTS / IDENTITY INFORMATION**

**INGREDIENT NAME:** Active Ing. - *Bacillus thuringiensis*, subsp. *israelensis* (Bt H-14)  
**CONCENTRATION:** 43.0% % (Potency min. 3,000 ITU/Mg)  
**CAS/RTECS NUMBERS:** N/A  
**OSHA-PEL:** N/L  
**ACGIH-TLV:** N/L

**INGREDIENT NAME:** Inert Ingredients – Non-Hazardous / Trade Secret  
**CONCENTRATION:** 57.0% %

**EEC (European Community):** N/A  
**Symbol Designation:** N/A  
**Risk Phrases:** N/A  
**Safety Phrases:** N/A

#### **3. HAZARDS INFORMATION**

**EMERGENCY OVERVIEW:** Product is non-toxic by ingestion, skin contact, or inhalation. Direct contact with eyes or skin may cause mild irritation.

**ROUTE(S) OF ENTRY:** Skin: No

Inhalation: No

Ingestion: No

**SKIN CONTACT:** Non-irritant

**SKIN SENSITIZATION:** Non-sensitizing

**EYE CONTACT:** Non-irritant

**TARGET ORGANS:** N/D

**CARCINOGENICITY RATING:** NTP: N/L IARC: N/L OSHA: N/L ACGIH: N/L

**SIGNS AND SYMPTOMS:** Direct contact with eyes or skin may cause mild irritation.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** None expected.

#### **4. FIRST AID MEASURES**

**EYES:** Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

**SKIN:** Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

**INGESTION:** Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

**INHALATION:** Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

#### **5. FIRE FIGHTING PROCEDURES**

**FLASH POINT:** N/A

**FLASH POINT METHOD:** N/D

**LOWER EXPLOSIVE LIMIT(%):** N/D

**UPPER EXPLOSIVE LIMIT(%):** N/D

**AUTOIGNITION TEMPERATURE:** N/D

**FIRE & EXPLOSION HAZARDS:** Non-flammable; no explosive properties.

**EXTINGUISHING MEDIA:** Use appropriate medium for underlying cause of fire.

**FIRE FIGHTING INSTRUCTIONS:** Wear protective clothing and self-contained breathing apparatus.

#### **6. ACCIDENTAL RELEASE MEASURES**

**SPILL OR RELEASE PROCEDURES:** Recover product. Place into appropriate container for disposal. Avoid dust. Ventilate and wash spill area.

#### **7. HANDLING AND STORAGE**

Tightly re-close containers of unused materials. Do not contaminate water, food, or feed by storage or disposal. Store in a secure, cool, dry well-ventilated location. Avoid temperatures above 85F/30C.

#### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Use local exhaust.

**RESPIRATORY PROTECTION:** Not usually required. However, mixers/loaders and applicators not in enclosed cabs or aircraft must wear a dust/mist respirator meeting NIOSH standards of at least N-95, R-95 or P-95.

**SKIN PROTECTION:** Impervious gloves, clothing to minimize skin contact.

**EYE PROTECTION:** Not usually required. If necessary, use safety glasses or goggles.

**OTHER PROTECTION:** Wash thoroughly with soap and water after handling.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE/PHYSICAL STATE: Tan granular solid

ODOR: Mild, fermentation

BOILING POINT: N/A

MELTING/FREEZING POINT: N/A

VAPOR PRESSURE (mm Hg): N/A

VAPOR DENSITY (Air=1): N/A

EVAPORATION RATE: N/D

BULK DENSITY: 35 - 40 LBS / CU. FT.

SPECIFIC GRAVITY: N/A

SOLUBILITY: N/A

VISCOSITY: N/A

FLASH POINT: N/A

## **10. STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable

INCOMPATIBILITIES: Alkaline environment may denature the active ingredient.

HAZARDOUS DECOMPOSITION PRODUCTS: N/D.

HAZARDOUS POLYMERIZATION: Will not occur.

## **11. TOXICOLOGICAL INFORMATION**

Acute Toxicity

ORAL LD50: LD50 (rat) > 5,000 mg/kg

DERMAL LD50: LD50 (rabbit) > 2,000 mg/kg

INHALATION LC50: The LC50 in 4-hr inhalation studies in rat was 25.1 mg/L

DERMAL & EYE IRRITATION: Non-irritating to rabbit eye or skin

DERMAL SENSITIZATION: Non-sensitizing in guinea pig studies

CORROSIVENESS: Non-corrosive

CARCINOGENICITY INFORMATION: Not listed

## **12. ECOLOGICAL INFORMATION: N/D**

## **13. DISPOSAL CONSIDERATIONS**

Dispose of product in accordance with federal, state, and local regulations. Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

## **14. TRANSPORTATION INFORMATION**

**Not regulated for land, water, or air transportation**

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**15. REGULATORY INFORMATION**

TSCA STATUS: Exempt  
CERCLA STATUS: N/D  
SARA STATUS: N/D  
RCRA STATUS: N/D  
PROP 65 (CA): N/D

**16. OTHER INFORMATION**

**Sara Title III Data:**

**Section 311 and 312 Hazard Categories:**

Immediate Health Hazard - None  
Delayed Health Hazard - None  
Fire Hazard - None  
Reactive Hazard - None  
Sudden Pressure Release Hazard - None

**Section 302: Extremely Hazardous Substances - None**

**Section 313: Toxic Chemicals - None**

**CERCLA Reportable Quantity - Not Listed**

REASON FOR ISSUE: Format update.

LEGEND: N/A = Not Applicable

N/D = Not Determined

N/L = Not Listed

L = Listed

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