

# Safety Data Sheet – AQUABAC® (400 G)

## Section I: Identification

### Product Identification

**Trade Name:** AQUABAC® (400 G)  
**EPA Reg. No.** 62637-13

### Recommended Use of the Chemical and Restriction on Use

For control against mosquitoes in a variety of habitats. This product may be applied to any water sites **except** treated, finished water reservoirs or drinking water receptacles. AQUABAC® (400 G) may be applied to areas that contain aquatic life, fish and plants, and to areas used by or in contact with humans, animals, horses, livestock, pets, birds or wildlife.

### Manufacturer Details

Becker Microbial Products, Inc.  
11146 N.W. 69<sup>th</sup> Place  
Parkland, FL 33076 U.S.A.

### Emergency Phone Numbers

**Within the U.S.A.:** 954.345.9321  
**Outside the U.S.A.:** +1 954.345.9321

## Section II: Hazards Identification

### Other Hazards

#### 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

**Eye Contact:** Non-irritant

**Skin Contact:** Non-irritant

**Skin Sensitization:** Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

**Target Organs:** ND

#### Signs and Symptoms of Exposure:

Direct contact with eyes or skin may cause mild irritation.

See Section XI: Toxicological Information for more information.

## Section III: Composition/Information on Ingredients

### Substance

Chemical Name	CAS/EC No.	Percentage
<i>Bacillus thuringiensis</i> subspecies <i>israelensis</i> Strain BMP 144 solids, spores and insecticidal toxins*	NA	5.42-6.00

\*Equivalent to 400 International Toxic Units (ITU/mg) (0.182 Billion ITU/pound).

See Section XV: Regulatory Information for more information.

## Section IV: First Aid Measures

### Description of First Aid Measures

#### Eye Contact:

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 Contact:**

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.

## Section V: Fire-Fighting Measures

**Suitable Extinguishing Media**

Use appropriate medium for underlying cause of fire.

**Specific Hazards Arising from the Chemical**

ND

**Special Protective Equipment and Precautions for Fire-Fighters**

Wear protective clothing and self-contained breathing apparatus.

## Section VI: Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures**

ND

**Environmental Precautions**

ND

**Methods and Materials for Containment and Cleaning Up**

Recover product. Place into appropriate container for disposal. Avoid dust. Ventilate and wash spill area.

See Section VIII: Exposure Controls/Personal Protection and Section XIII: Disposal Considerations for more information.

## Section VII: Handling and Storage

**Precautions for Safe Handling**

See Section VIII: Exposure Controls/Personal Protection for more information.

**Conditions for Safe Storage**

Tightly reclose 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 85°F/29°C.

## Section VIII: Exposure Controls/Personal Protection

**Control Parameters**

See Personal Protective Equipment below for additional information.

**Engineering Controls**

Use local exhaust.

**Personal Protective Equipment**

Wear impervious gloves and clothing to minimize skin contact. Wash thoroughly with soap and water after handling. If necessary, use safety glasses or goggles. While not usually required, 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.

## Section IX: Physical and Chemical Properties

<b>Physical State:</b>	Granular Solid	<b>Vapor Density:</b>	NA
<b>Odor:</b>	Mild, sweet grain odor	<b>Relative Density:</b>	NA
<b>Odor Threshold:</b>	ND	<b>Solubility:</b>	NA

pH:	6.8-7.0 (aq. sol.)	Partition Coefficient (n-octanol/water):	ND
Melting Point/Freezing Point:	NA	Auto-Ignition Temperature:	ND
Initial Boiling Point and Range:	NA	Decomposition Temperature:	ND
Flash Point:	NA	Viscosity:	NA
Evaporation Rate:	ND	Explosion Hazard:	Not explosive
Flammability (solid, gas):	Non-flammable	Oxidizing Properties:	NA
Upper/Lower Flammability or Explosive Limits:	No explosive properties	Bulk Density:	25-30 lbs./ft <sup>3</sup>
Vapor Pressure:	NA		

## Section X: Stability and Reactivity

### Reactivity

Hazardous polymerization will not occur.

### Chemical Stability

Stable

### Possibility of Hazardous Reactions

ND

### Conditions to Avoid

Alkalinity inactivates product.

### Incompatible Materials

Alkaline environment may denature the active ingredient.

### Hazardous Decomposition Products

ND

## Section XI: Toxicological Information

### Toxicological Data

#### Acute Toxicity

Oral LD<sub>50</sub>: LD<sub>50</sub> (rat) >5,000 mg/kg

Dermal LD<sub>50</sub>: LD<sub>50</sub> (rabbit) > 2,000 mg/kg

Inhalation LC<sub>50</sub>: The LC<sub>50</sub> in 4-hour inhalation studies in rat was 25.1 mg/L.

**Dermal and Eye Irritation:** Non-irritating to rabbit eyes or skin.

**Dermal Sensitization:** Non-sensitizing in guinea pig studies.

**Corrosiveness:** Non-corrosive

#### Carcinogenicity Information

NTP	IARC	OSHA	ACGIH
NL	NL	NL	NL

## Section XII: Ecological Information

### Ecotoxicity

ND

### Persistence and Degradability:

ND

## Section XIII: Disposal Considerations

### Disposal Methods

Dispose of product in accordance with Federal, state and local regulations. Wastes resulting from the 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.

## Section XIV: Transport Information

Not regulated for land, water or air transportation.

## Section XV: Regulatory Information

TSCA Status: Exempt

CERCLA Status: ND

CERCLA Reportable Quantity: NL

SARA Status: ND

### SARA Title III Data

#### Sections 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

RCRA Status: ND

California Proposition 65: NL

### FIFRA Section 3 Information

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

#### PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS – CAUTION:** Harmful if inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Mixers/loaders and applicators not in enclosed cabs or aircraft must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95 or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

## Section XVI: Other Information

**Clarification of Abbreviations:**  
NA = Not Applicable  
ND = Not Determined  
NL = Not Listed

### Revision History:

**May 26, 2015** – SDS was issued in compliance with U.S.A.'s adoption of the Globally Harmonized System of Classification and the associated regulations as defined by the Occupational Safety and Health Administration (OSHA).

**January 2015 (Superseded)** – MSDS was issued to update the format.

**June 5, 2000 (Superseded)** – Initial issuance.

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NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.