

# Safety Data Sheet – AQUABAC xt

## Section I: Identification

### Product Identification

**Trade Name:** AQUABAC xt  
**EPA Reg. No.** 62637-1

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

For control of fungus gnats, mosquitoes, blackflies, nuisance flies and nuisance aquatic midges.

### 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	6-10

\*Equivalent to 1,200 International Toxic Units (ITU/mg) (4.84 Billion ITU/gallon or 1.2 Billion ITU/Liter).

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. 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**

ND

**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/30°C.

## Section VIII: Exposure Controls/Personal Protection

**Control Parameters**

See Personal Protective Equipment.

**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>	Tan Liquid	<b>Vapor Density:</b>	NA
<b>Odor:</b>	Mild, acidic fermentation	<b>Relative Density:</b>	8.8 lbs/gal
<b>Odor Threshold:</b>	ND	<b>Solubility:</b>	NA
<b>pH:</b>	4.5 -4.8 (aq. sol.)	<b>Partition Coefficient (n-octanol/water):</b>	ND
<b>Melting Point/Freezing Point:</b>	NA	<b>Auto-Ignition Temperature:</b>	ND
<b>Initial Boiling Point and Range:</b>	NA	<b>Decomposition Temperature:</b>	ND

<b>Flash Point:</b>	NA	<b>Viscosity:</b>	800-1200 cps
<b>Evaporation Rate:</b>	ND	<b>Explosion Hazard:</b>	Not explosive
<b>Flammability (solid, gas):</b>	Non-flammable	<b>Oxidizing Properties:</b>	NA
<b>Upper/Lower Flammability or Explosive Limits:</b>	No explosive properties	<b>Bulk Density:</b>	NA
<b>Vapor Pressure:</b>	NA		

## Section X: Stability and Reactivity

### Reactivity

Hazardous polymerization will not occur.

### Chemical Stability

Stable

### Possibility of Hazardous Reactions

None

### Conditions to Avoid

Avoid prolonged exposure to temperatures above 85°F (30°C).

### Incompatible Materials

Prolonged contact of the diluted or undiluted product with aluminum surfaces (e.g. aircraft components, spray equipment, etc.) can cause corrosion.

### 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:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into the application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. 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 breathing spray mist. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

## 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.

**Disclaimer:** The information and statements herein are believed to be reliable but are not to be construed as warranty or representation for which we assume no legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their particular purpose of any information or product referred to herein.

NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.