

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.
3677 23rd Ave S Suite C-107
Lake Worth, FL 33461 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

Physical State:	Tan Liquid	Vapor Density:	NA
Odor:	Mild, acidic fermentation	Relative Density:	8.8 lbs/gal
Odor Threshold:	ND	Solubility:	NA
pH:	4-6 (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:	800-1200 cps
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:	NA
Vapor Pressure:	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 LD₅₀: LD₅₀ (rat) >5,000 mg/kg

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

Inhalation LC₅₀: The LC₅₀ 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.

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NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.