

MATERIAL SAFETY DATA SHEET

PAGE 1 of 4

AQUABAC XT MOSQUITO BIOLARVICIDE **Biological Larvicide Aqueous Suspension**

January 2015

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MATERIAL NAME: AQUABAC XT
EPA Registration No. 62637-1

MANUFACTURER: BECKER MICROBIAL PRODUCTS, INC.
11146 N.W. 69th Place
Parkland, FL 33076 USA
EMERGENCY TELEPHONE NUMBERS: 954 345 9321

2. INGREDIENTS / IDENTITY INFORMATION

INGREDIENT NAME: Active Ingr.. - Bacillus thuringiensis, subsp. israelensis (Bt H-14)
CONCENTRATION: 8% (Potency 1,200 ITU/Mg)
CAS/RTECS NUMBERS: N/A
OSHA-PEL: N/L
ACGIH-TLV: N/L

INGREDIENT NAME: Inert Ingredients – Non-Hazardous / Trade Secret
CONCENTRATION: 92.00 %

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: N/D
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 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 85F/25C.

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 liquid

ODOR: Mild

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: N/A

SPECIFIC GRAVITY: 1.04 to 1.12

SOLUBILITY: N/A

VISCOSITY: 800-1200 cps

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: 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 1/4 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.

14. TRANSPORTATION INFORMATION

Not regulated for land, water, or air transportation

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

The information and statements herein are believed to be reliable but are not to be construed as a 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.