



Bio Synergy Laboratories Sdn. Bhd
Lot 1109, Mk. Malau,
Daerah Kubang Pasu, 06000 Jitra
Kedah Darul Aman

SAFETY DATA SHEET

Section 1-Product Identification

Trade Name: MOSQUITO BTI LIQUID (500ML)
Distributed By: PLUS EVERGROUP SDN BHD
No. 4, Jalan Permas 9/10, Bandar Baru Permas Jaya, 81750 Masai, Johor.
Phone Number: +607-3860592
Email: info@mosquitodunks.com.my
CAS Number: None (Mixture)
Recommended Use: This product is for biological mosquito larvicide, keep away from children.

Section 2-Hazard Identification

This product is not considered hazardous by the Industry Code Of Practice (ICOP) On Chemical Classification and Hazard Communication 2014, Department Of Occupational Safety & Health Malaysia. This product is a liquid material with a characteristic odor, which is intended for use as a pesticide. If poisoning is suspected, contact a physician, the nearest hospital, or the nearest Poison Control Center. There is no specific antidote for the product, treat symptomatically.

Classification

Skin Corrosion and Irritation: Category 2

Label element

Hazard pictograms:



Signal Word:

Warning

Hazard Statements:

May cause an allergic skin reaction.

Precautionary Statements:

Thoroughly wash face, hands and any exposed skin after handling.
Avoid breathing mist/vapors/spray.
Contaminated work clothing should not be allowed out of the workplace.

Response:If in Eyes:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing if eye irritation persists. Get medical advice/attention.

Response:If on Skin:

Wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice/attention.
Wash contaminated clothing before reuse.

Storage:

Keep containers tightly closed in a dry place and well-ventilated place. Store locked up.

Disposal:

Dispose of contents/container to an approved waste disposal plant.

Section 3-Composition & Information On Ingredients

Chemical/Substance

Active Ingredients: *Bacillus thuringiensis subspecies israelensis* (Bt H-14) strain:8%, Inert Ingredients.
The exact of composition has been withheld as a trade secret.

Section 4-First Aid Measures

Description of first aid measures

General Advice: Show this safety data sheet to the doctor in attendance.
Eye Contact: Remove from source of exposure. Flush with copious amounts of water. Remove contact lenses, if present and easy to do, after the first 5 minutes, then continue rinsing. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic /supportive care as necessary.
Skin Contact: Remove from source of exposure. Take off contaminated clothing. Flush with copious amounts of water. If irritation occurs or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.
Inhalation: Discontinue use and seek fresh air. Do not return to area until thoroughly ventilated.
Ingestion: Remove from source of exposure. Move person to fresh air. Do NOT induce vomiting. If signs of toxicity occur, seek medical attention. Provide symptomatic /supportive care as necessary.

Most Important Symptoms and Effects

Itching. Rashes. Hives.

Note to Physician

May cause sensitization in susceptible persons. Treat symptomatically.

Most important symptoms and effects, both acute and delayed

None expected in normal usage, when used as intended.

Most important symptoms and effects, both acute and delayed

Not expected to present a significant hazard under anticipated conditions of normal use.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 5- Fire & Explosion Hazard Data

Suitable Extinguishing Media: Dry chemical, water spray, foam or carbon dioxide. Use appropriate medium for the underlying cause of the fire.
Unsuitable Extinguishing Media: Not Known
Specific Hazards Arising from this Mixture: Hazardous compounds, such as carbon oxides, nitrogen oxides
Hazardous Combustion Product(s): Data Not Available
Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, (approved or equivalent) and protective gear.

Section 6-Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

For respiratory protection wear a dust mask. Wear eye protection appropriate to handling activities. Wear impervious gloves. See personal protection as recommended in Section 8.

Environmental Precautions

Dispose of excess product and wash waters according to local regulations.

Methods and Materials for Containment and Cleaning Up

Wear appropriate personal protective equipment. Sweep up material and place in appropriate container for disposal. Avoid generating dust.

Reference to Other Sections

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations. See Section 13 for Disposal Considerations.

Section 7-Handling & Storage

Precautions for Safe handling

For respiratory protection wear a dust mask. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling. Do not eat, drink, chew gum or smoke while working with product, obey reasonable safety precautions and practice good housekeeping.

Conditions for Safe Storage, Including Incompatibilities

Protect against physical damage. Keep in original containers. Close containers of unused material. Store in a cool, dry place.

Incompatibilities

None Known

Specific End Use(s)

Pesticide, biological mosquito larvicide.

Section 8-Exposure Controls/Personal Protection

Engineering measures: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection: None under normal usage.

Hand and Skin protection Wear protective gloves and protective clothing.

Respiratory protection: No personal respiratory protective equipment normally required.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

Section 9-Physical/Chemical Characteristic

Physical state & appearance	Liquid	Flash Point:	103°C
Odour	Unpleasant	Boiling Point:	83°C
pH Level:	4.70-7.78	Density (g/ml)	1.0472
Melting Point:	Not Available	Solubility :	Soluble

Section 10- Stability & Reactivity Data

Reactivity:	Hazardous reactions will not occur under normal use and/or storage conditions.
Chemical Stability:	Product is stable under normal use and/or storage conditions. Safety issues will not arise should the product change in physical appearance.
Other:	Hazardous polymerization/decomposition will not occur. Do not expose to extreme high or low temperatures. Avoid exposure to strong oxidizing agents. Avoid electric equipment due to possibility of shock hazard.

Section 11- Toxicological Information

Acute Toxicity/Irritation Studies

Ingestion:	Data Not Available
Dermal:	Data Not Available
Inhalation:	Data Not Available
Eye Contact:	Data Not Available
Skin Contact:	Data Not Available
Skin Sensitization:	Data Not Available
Product Information:	
Inhalation:	Not data available
Eye Contact:	Causes serious eye irritation (based on components). May cause redness, itching and pain.
Skin Contact:	May cause irritation. Prolonged contact may cause redness and irritation.
Ingestion:	May cause irritation to mucous membranes and gastrointestinal irritation, nausea, vomiting and diarrhea.
Toxicological Effects:	May cause redness and tearing of the eyes; itching; rashes; and hives
Delayed and immediate effects as well as chronic effects from short and long-term exposure:	
Sensitization:	May cause sensitization in susceptible persons. May cause sensitization by skin contact.
Mutagenic Effects:	No information available.
Carcinogenicity:	Contains no ingredient listed as a carcinogen.
Reproductive Toxicity:	No information available.
STOT-single exposure:	No information available.
STOT-repeated exposure:	No information available.
Chronic Toxicity:	No known effect based on information supplied.
Target Organ Effects:	Eyes, skin, respiratory system.
Aspiration Hazard:	No information available.

Section 12- Ecological Information

Exotoxicity	Harmful to aquatic life with long-lasting effects, Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.
Persistence and degradability	No information available.
Bioaccumulative potential	No information available.
Mobility	No information available.
Other adverse effects	No information available

Section 13-Disposal Considerations

Dispose of product in accordance with federal, state, provincial, and local regulations. Prevent contamination of environment by wastes. US EPA WASTE NUMBER & DESCRIPTIONS: There is no applicable EPA waste number. This product, if discarded, is not expected to be a characteristic or listed hazardous waste. No special precautions are required for the disposal of this product.

Section 14- Transportation

Proper Shipping Name:	Not applicable
UN number:	Not applicable
DG Class:	Not classified as a Dangerous Good
Subsidiary Risk 1:	Not applicable
Packaging Group:	Not applicable
HAZCHEM code:	Not applicable
Marine Pollutant:	Not classified as a marine pollutant
Special Precautions for User:	No special transport requirements are necessary

Section 15- Others Regulatory Information

REGULATIONS

This chemical is a product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

Malaysia Regulations

Occupational Safety & Health (Classification, Labeling, and Safety Data Sheet of Hazardous Chemical) Regulation 2019.

The Industry Code of Practice on Chemical Classification and Hazard Communication 2013 (ICOP CCHC).

Poisons Act 1952 and Regulations, Poisons Act 1952 regulate the import, possession, manufacture, compounding, storage, transportation, sale and use of Poisons.

EPA Pesticide Regulations

EPA Registration Number: 73049-10

EPA Pesticide Label signal word: CAUTION

Product must have EPA Approved Pesticide Label attached to or accompanying all containers. This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions and limitations for its use. **KEEP OUT OF REACH OF CHILDREN**

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling Mixers/loaders and applicators 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.

ENVIRONMENTAL HAZARDS

Do not contaminate water when cleaning equipment or disposing of equipment washwaters. Do not apply directly to treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption.

Section 16 – Other Information

References: NCJ 22070171

Validated by: ChM. Arif AR on 28/07/2022

Verified by: ChM. Dzafran Omar on 28/07/2022

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