



**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 (250GM/BTL)  
**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 brown granular 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 BMP 144: 200 ITU/mg  
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:**

Immediately rinse with plenty of water and under the eyelids for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

##### **Skin Contact:**

Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reaction, see a physician.

##### **Inhalation:**

Discontinue use and seek fresh air. Do not return to area until thoroughly ventilated.

##### **Ingestion:**

Immediately rinse mouth and drink plenty of water. Do not give anything by mouth to an unconscious person. Do not induce vomiting. Call a physician.

#### **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:**

Use measures that are appropriate to local circumstances and the surrounding environment.

#### **Unsuitable Extinguishing Media:**

Not Known

#### **Specific Hazards Arising from this Mixture:**

Contains an active ingredients; may cause sensitization by skin contact.

#### **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:**

Remove ignition sources and thoroughly ventilate accidental release area.

### **Protective Equipment:**

Wear protective equipment, as appropriate, such as eye protection (safety glasses, face shield), rubber gloves, longsleeved shirt, long pants, socks and shoes/boots. In cases of inadequate ventilation, a self-contained breathing apparatus may be used.

### **Emergency Procedures:**

First responders and cleanup crew must wear appropriate protective gear/clothing. Secure the accidental release area and call for trained, professional assistance as warranted.

### **Containment Procedures:**

Immediately contain spills with dikes or absorbents to prevent migration and entry into sewers or bodies of water

### **Cleanup Procedures:**

**Large Spills:** Use absorbent to soak up material. Transfer absorbent to suitable containers for disposal. Clean spill area with water and absorbent; transfer to suitable containers for disposal. Dispose of absorbent according to applicable local, state and/or Federal regulations.

**Small Spills:** Soak up spilled material with towels (paper and/or fabric); dispose of towels in garbage. Rinse spill area with water and dry with towels (paper and/or fabric); dispose of towels in garbage

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## Section 7-Handling & Storage

### **Precautions for Safe Handling:**

Handle in accordance with good industrial hygiene and safety practices. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

### **Storage Recommendations:**

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

### **Incompatible Products:**

None known

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## 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

<b>Physical state &amp; appearance</b>	Grain Solid	<b>Flash Point:</b>	>200°C
<b>Odour</b>	Pleasant	<b>Boiling Point:</b>	Not Available
<b>pH Level:</b>	7.84-7.89	<b>Density (g/cm<sup>3</sup>)</b>	0.4404
<b>Melting Point:</b>	Not Available	<b>Solubility :</b>	Low solubility in water

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## Section 10- Stability & Reactivity Data

<b>Reactivity:</b>	Hazardous reactions will not occur under normal use and/or storage conditions.
<b>Chemical Stability:</b>	Product is stable under normal use and/or storage conditions. Safety issues will not arise should the product change in physical appearance.
<b>Other:</b>	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.

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## Section 11- Toxicological Information

### **Acute Toxicity/Irritation Studies**

**Ingestion:** Practically non Oral LD50 (rat) > 5000 mg/kg body weight

**Dermal:** Not Available

**Inhalation:** Not Available

**Eye Contact:** Non-irritating (Rabbit):

**Skin Contact:** Mildly irritating (Rabbit)

**Skin Sensitization:** Sensitizing (Guinea Pig)

### **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.

<b>Persistence and degradability</b>	No information available.
<b>Bioaccumulative potential</b>	No information available.
<b>Mobility</b>	No information available.
<b>Other adverse effects</b>	No information available

### Section 13-Disposal Considerations

Do not reuse product containers. Dispose of product containers, waste containers, and residue according to local, state, and federal health and environmental regulations. No special precautions are required for the disposal of this product.

### Section 14- Transportation

<b>Proper Shipping Name:</b>	Not applicable
<b>UN number:</b>	Not applicable
<b>DG Class:</b>	Not classified as a Dangerous Good
<b>Subsidiary Risk 1:</b>	Not applicable
<b>Packaging Group:</b>	Not applicable
<b>HAZCHEM code:</b>	Not applicable
<b>Marine Pollutant:</b>	Not classified as a marine pollutant
<b>Special Precautions for User:</b>	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.

#### **US Federal Regulations**

Not listed in the United States TSCA (Toxic Substances Control Act) Inventory International Regulations

Canada: No additional information available

EU-Regulations: No additional information available

Classification According To Regulation (EC) No. 1272/2008 [CLP]. Classification According To Directive 67/548/EEC or 1999/45/EC Not Classified

### Section 16 – Other Information

**References:** NCJ 22070169

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

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

*This report applies and refers only to the sample of the specific test article submitted by the client at the time of testing indicated. The result shall NOT be used to indicate or implicate that are applicable to the others / similar articles/products not subjected to the test. This documents shall be governed and subjected to the Term and Conditions as attached; with limitation of liability, indemnification and jurisdiction issues defined therein. Certificate is strictly not for publication, circulation, advertising or any legal proceeding purposes and shall NOT be reproduced except in full without prior written consent and approval of the laboratory.*