

MATERIAL SAFETY DATA SHEET

Product Name	: BT Thuricide	Issue Date:	01/08/2020
Reference No	: Version 20.01	SDS Number:	RF-SDS767

1. IDENTIFICATION

GHS Product Identifier	Bacillus Thuringiensis
Supplier Name	Hunan Tangsons Biotech Co., Ltd
Address	No. 660, Hanguang Road, Changsha, Hunan, PRC
Telephone	(86) 731 85773044
Fax	(86) 731 85773044
Emergency Contact	(86) 137 8724 3647
Recommended Use	Pesitide

2. HAZARD IDENTIFICATION

Classification of the substance or mixture	Classified as non-Hazardous according to the criteria of GHS. Classified as non-health hazards according to HNOG, not otherwise classified This material is classified as NON-HAZARDOUS according to the criteria of SafeWork
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition Ingredients	Culture medium, bacillus thuringiensis CAS 23526-02-5
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4. FIRST AID MEASURES

Inhalation	Move person to fresh air. If person is not breathing, call an ambulance; then give artificial respiration.
Ingestion	Call a doctor immediately if a large amount is swallowed. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.
Skin	Remove contaminated clothing. Thoroughly wash skin with plenty of soap and water.
Eye Contact	Hold eye open and rinse slowly and gently with plenty of water for at least 15 minutes. If present, remove contact lenses and continue rinsing eye.
Advice to Doctor	Remove from source of exposure. If irritation or other signs of toxicity occur, seek medical attention.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use appropriate media for underlying cause involved in the fire. No data
Hazard from Combustion Products	No data.
Specific Hazards Precautions	Self-Contained Breathing Apparatus (SCBA) and full protective gear according to the conditions and size of the fire.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Wear suitable protective clothing, such as long-sleeved shirt, pants, waterproof gloves and shoes with socks.
Clean-up & Disposal	Carefully mop or sweep up spill and place in a closed container for disposal. Rinse area with water.

7. HANDLING AND STORAGE

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Safe Handling Use handling procedures that minimize exposure to the product.
Safe Storage Store in cool, dry, well-ventilated location out of direct sunlight in an airtight container after opening. Do not mix with other products while stored.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards Ensure good ventilation. No exposure limits have been established.
Biological Limit Values No biological limit allocated.
Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to reduce airborne exposure at locations/operations where dust may be generated.
Respiratory Protection Not normally required. However, if needed, use a dust/mist filtering face mask.
Eye Protection Chemical safety goggles or safety glasses with side shields.
Hand Protection Gloves made from chemically resistant material such as neoprene, vinyl, rubber or nitrile.
Body Protection Wear suitable protective clothing such as long-sleeved shirt, pants and shoes with socks.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Powder, Light tan color
Boiling Point Approx. 100 °C
Melting Point Approx. 0 °C
Solubility in Water Dispersible in water
Specific Gravity 0.695
pH Value 5.2 - 5.4 (100 %) (23 °C)
Vapour Pressure No information available
Vapour Density (Air=1) 1.06-1.1 g/MI
Flash Point >91 °C
Flammability Solid
Ignition Temperature 475 °C / 887 °F
Flammable Limits (Lower) No information available
Flammable Limits (Upper) No information available

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal ambient storage conditions.
Conditions to Avoid None that are known.
Incompatible Materials Incompatibility to Anionic polymers
Hazardous Decomposition Products Carbon monoxide may be formed upon burning
Hazardous Polymerization None that are known.

11. TOXICOLOGICAL INFORMATION

Toxicology Information
Inhalation HC 50:> 5.34 mg/L (Rat), No lethality was observed in rats after a 4 hour whole body exposure to this concentration of the product as an undiluted aerosol.
Ingestion LD50: > 5,000 mg/kg (rabbit)
Skin LD50: > 5,000 mg/kg (rabbit)
Eye May cause mild irritation to eyes.
Chronic Health Effects No data available.

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12. ECOLOGICAL INFORMATION

Ecotoxicity	The product is not acutely harmful to aquatic organisms.
Persistence/Degradability	No known conditions.
Mobility	No known conditions.
Bioaccumulative Potential	No known conditions.
Environmental Protection	No known conditions.

13. DISPOSAL CONSIDERATIONS

Method	Can be land filled or paced in an MSW registered landfill or used as a soil amendment. Follow all federal, state and local regulations.
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14. TRANSPORT INFORMATION

Transport Information	Classified as non-dangerous goods according to IATA & IMDG, U.S. DOT – ROAD/ U.S. DOT –RAIL / U.S. DOT –INLAND WATERWAYS
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15. REGULATORY INFORMATION

Poisons Schedule Number	Not scheduled.
Packaging and Labelling	As required by the ADG Code and Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

The ingredients contained in this product listed on the America Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Date Prepared	8 th Jan. 2020
Abbreviations	GHS – Globally Harmonised System of Classification and Labelling of Chemicals ADG – Australian code for the Transport of Dangerous Goods by Road and Rail
Others	This information summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider this information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

...END OF MSDS...