


SAFETY DATA SHEET (SDS)

BT NOW

Form #:	SDS-122
Revision Date:	08/22/2019
Revision #:	01
Supersedes Date:	NA

Section 1: Identification			
Product Name:	BT NOW	Product Type / Description:	Biological Insecticide
Recommended Use:	Insecticide for commercial use.	Other Means of Identification:	<i>Bacillus thuringiensis</i>
Use Restrictions:	It is a violation of federal law to use this product in a manner inconsistent with its labeling.		
Manufacturer:	BioSafe Systems, LLC 22 Meadow Street East Hartford, CT 06108	EPA Registration:	89046-12-70299
Telephone Number:	1-888-273-3088	Emergency Number: 1-800-424-9300 (CHEMTREC)	

Section 2: Hazard Identification	
GHS Classification	Hazard Statements
Acute Toxicity: Dermal: Category 4 Serious Eye Damage/Eye Irritation: Category 2A	H312: Harmful in contact with skin. H319: Causes serious eye irritation.
Pictograms	Signal Word
	WARNING
Precautionary Statements	
General	Response
P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P103: Read label before use.	P302+P352: IF ON SKIN: wash with plenty of water. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. P312: Call a POISON CENTER or doctor if you feel unwell. P322: Specific measures (see first aid section on this label). P337+P313: IF eye irritation persists: Get medical advice/attention. P363: Wash contaminated clothing before reuse.
Prevention	Storage / Disposal
P264: Wash skin thoroughly after handling. P280: Wear protective gloves, clothing, eye protection, face protection.	P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3: Composition / Information on Ingredients		
Components	CAS-No	% Composition (w/w)
<i>Bacillus thuringiensis ssp. kurstaki</i>	68038-71-1	14.49%

Section 4: First-Aid Measures	
Eye Contact:	IF IN EYES: Flush with copious amounts of water. Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If irritation persists, seek medical attention.
Skin Contact:	IF ON SKIN: Wash with copious amounts of water for 15-20 minutes. If irritation persists or signs of toxicity occur, seek medical attention.
Ingestion:	IF INGESTED: Rinse mouth and throat with copious amounts of water. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. If signs of irritation or toxicity occur, seek medical attention.
Inhalation:	IF INHALED: Remove from exposure and move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. If signs of toxicity occur, seek medical attention.
Notes to Physician:	Treat symptomatically.

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Section 5: Fire-Fighting Measures

Suitable Extinguishing Media:	Water spray, carbon dioxide, alcohol foam.
Unsuitable Extinguishing Media:	Avoid heavy hose streams.
Combustion Products:	None known.
Unusual Fire and Explosion Hazards:	None known.
Protective Equipment for Firefighters:	Full chemical protection suits and boots (rubber or PVC) and self-contained breathing apparatus. Cordon the area to keep out all unnecessary personnel. Keep upwind. Use large quantities of water spray to fight fire. Cool containers / tanks with water spray. If safe to do, move product away from fire to secure area. Eliminate all possible sources of ignition and remove flammable material.

Section 6: Accidental Release Measures

Personal Precautions:	Ventilate enclosed areas. Wear appropriate personal protective equipment, avoid direct contact. Avoid inhalation, ingestion and contact with skin and eyes.
Emergency Procedures:	Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Ventilate closed spaces before entering.
Environmental Precautions:	Prevent undiluted spillage from entering sewers, basements or watercourses.
Methods and Material for Containment and Clean-Up:	If spilled on a solid surface, such as road or pavement, dike and absorb with inert material, such as clay or sand, sweep up and place in a container for disposal. Flush area with water to dilute remaining material.

Section 7: Handling and Storage

Handling:	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.
Storage:	Store in a cool area at temperature between 39 °F (4 °C) and 68 °F (20 °C); long exposure to higher temperature may reduce activity. This product should be used within 12 months of the date of manufacture. Store container upright and keep tightly closed when not in use. After extended storage, shake or stir contents to assure a uniform suspension.
Incompatible Materials:	None known.

Section 8: Exposure Controls / Personal Protection

Components with Workplace Control Parameters			
Component	ACGIH	NIOSH	OSHA
<i>Bacillus thuringiensis</i>	NA	NA	NA
Engineering Controls:	Ensure adequate ventilation. Emergency eye wash stations / emergency showers should be available in the immediate vicinity of any potential exposure.		
General Hygienic Practices:	Do not eat, drink or smoke during use. Wash hands immediately after handling the product.		
Personal Protective Equipment			
Respiratory Protection:	None needed during normal conditions of use. If potential exposure to aerosol in enclosed, poorly ventilated area, use air purifying respirator with dust/mist filter if necessary.		
Eye / Face Protection:	Safety glasses or goggles if splashes are expected to occur.		
Hand Protection:	Latex or nitrile gloves.		
Skin / Body Protection:	Long sleeves and pants suitable for dispensing liquid.		

Section 9: Physical and Chemical Properties

Appearance:	Light brown liquid.	Odor:	Slightly acidic.	Odor Threshold:	NA
Physical State:	Liquid.	pH:	4.8 - 5.4	Specific Gravity:	1.10 – 1.15 g/mL
Melting Point:	NA	Freezing Point:	NA	Boiling Point:	100°C (212°F)
Flash Point:	NA	Flammability:	NA	Flammability Limits:	NA
Vapor Pressure:	NA	Vapor Density:	NA	Solubility:	Complete.
Evaporation Rate:	NA	Auto-Ignition Temperature:	NA	Decomposition Temperature:	NA
Relative Density:	NA	Partition Coefficient n-octanol / water:	NA	Viscosity:	NA

Section 10: Stability and Reactivity

Reactivity:	Non-reactive under normal handling and storage conditions.
Stability:	Stable under recommended storage conditions.
Conditions to Avoid:	Direct sunlight. Excessive heat >68°F.
Incompatible Materials:	None known.
Hazardous Decomposition Products:	None known.

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Section 11: Toxicological Information			
Acute Toxicological Data			
Oral LD50 Rat:	NA	Dermal LD50 Rat:	NA
		Inhalation LC50 Rat:	NA
Symptoms and Effects			
Condition	Acute Effects	Chronic (Delayed) Effects	
Eye Contact:	Causes serious eye irritation.	None.	
Skin Contact:	Harmful in contact with skin.	None.	
Inhalation:	No health effects are expected under normal conditions.	None.	
Ingestion:	Respiratory tract irritation.	None.	

Section 12: Ecological Information	
Ecotoxicity:	NA
Persistence and Degradability:	NA
Bioaccumulative Potential:	NA
Mobility in Soil:	NA
Results of PBT & vPvB:	NA
Other Adverse Effects:	Do not use to control aquatic pests.

Section 13: Disposal Considerations	
Waste from Residues and Unused Product:	Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.
Contaminated Container Disposal:	Do not reuse or refill containers. Triple rinse empty containers with clean water. Clean and empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14: Transport Information							
UN Number	UN Proper Shipping Name			Hazard Class (Subsidiary)	Packing Group	IATA	Marine Pollutant
DOT	Not regulated.					Permitted for shipment by air.	
TDG	Not regulated.						
IMDG	Not regulated.						
Special Precautions:	NA						
Shipping Placards:	NA						

Section 15: Regulatory Information							
TSCA Inventory List		US EPA CERCLA Hazardous Substances			Clean Water Act		
<i>Bacillus thuringiensis</i>	Yes	<i>Bacillus thuringiensis</i>	NA		NA		
SARA Title III							
	Sec. 302 TPQ.	Sec 304 RQ.	Sec 311 / Sec 312 Hazard Category			Sec 313	Clean Air Act Threshold Qty.
<i>Bacillus thuringiensis</i>	NA	NA	NA			NA	NA
NFPA 704 Rating	Health: 2	Flammability: 0	Reactivity: 0	Special:	None.		
HMIS Rating	Health: 2	Flammability: 0	Physical: 0	PPE:	Recommended.		
Uniform Fire Code (NFPA 400)	Not applicable.						
California Prop 65	This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.						
FIFRA	This product is a registered pesticide with the United States Environmental Protection Agency and is subject to EPA labeling requirements under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). These requirements may differ from the classification criteria and hazard information required for a safety data sheet under the Global Harmonized Systems (GHS), and for workplace labels of non-pesticide chemicals. It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Always refer to product label for further precautionary information and use directions.						

Section 16: Other Information	
According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations	
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