

SAFETY DATA SHEET (SDS)

Guarda

Form #:	SDS-125
Revision Date:	09/04/2020
Revision #:	01
Supersedes Date:	None

Section 1: Identification			
Product Name:	Guarda	Product Type / Description:	botanical based product to protect against certain fungal and bacterial diseases.
Recommended Use:	bactericide/fungicide	Other Means of Identification:	Guarda
Use Restrictions:	It is a violation of federal law to use this product in a manner inconsistent with its labeling.		
Distributor:	BioSafe Systems, LLC 22 Meadow Street East Hartford, CT 06108	EPA Registration:	92144-2-70299
Telephone Number:	1-888-273-3088	Emergency Number: 1-800-424-9300 (CHEMTREC)	

Section 2: Hazard Identification	
GHS Classification	Hazard Statements
Skin Corrosion/Irritation: Category 3 Serious Eye Damage/Eye Irritation: Category 2A	H316: Causes mild skin irritation. H320: Causes eye irritation.
Pictograms	Signal Word
None	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.	P312: Call a POISON CENTER or doctor if you feel unwell. 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)
Thyme Oil	8007-46-3	3%
Other Ingredients Inert	-	97%

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 water. If irritation persists, seek medical attention.
Ingestion:	IF INGESTED: 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 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.

Section 5: Fire-Fighting Measures	
Suitable Extinguishing Media:	Water spray, carbon dioxide, alcohol foam.
Unsuitable Extinguishing Media:	Avoid heavy hose streams.
Combustion Products:	Carbon dioxide, sulfur oxide.
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:	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	Dike and absorb with inert material, such as clay or sand, sweep up and place in a container for disposal. Flush area

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Containment and Clean-Up:	with water to dilute remaining material.
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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 their original packaging, not opened, away from moisture and direct sunlight and protected against potential physical damage. Do not store near food.
Incompatible Materials:	None known.

Section 8: Exposure Controls / Personal Protection

Components with Workplace Control Parameters

Component	ACGIH	NIOSH	OSHA
<i>Guarda</i>	NA	NA	NA

Engineering Controls:	No specific measures.
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.
Eye / Face Protection:	Safety glasses.
Hand Protection:	Latex or nitrile gloves.
Skin / Body Protection:	Long sleeves and pants suitable for dispensing liquid.

Section 9: Physical and Chemical Properties

Appearance:	Brown tan liquid.	Odor:	None.	Odor Threshold:	NA
Physical State:	Liquid.	pH:	5-6.5	Specific Gravity:	0.95-1.05 g/mL
Melting Point:	NA	Freezing Point:	NA	Boiling Point:	NA
Flash Point:	NA	Flammability:	NA	Flammability Limits:	NA
Vapor Pressure:	NA	Vapor Density:	NA	Solubility:	Incomplete.
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:	Cold temperatures, high temperatures, direct sunlight, humidity.
Incompatible Materials:	None known.
Hazardous Decomposition Products:	None known.

Section 11: Toxicological Information

Acute Toxicological Data

Oral LD50 Rat:	>5000 mg/kg	Dermal LD50 Rabbit:	>3000 mg/kg	Inhalation LC50 Rat:	>2.0 mg/L
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Symptoms and Effects

Condition	Acute Effects	Chronic (Delayed) Effects
Eye Contact:	May cause eye irritation.	None.
Skin Contact:	May cause skin irritation.	None.
Inhalation:	No health effects are expected under normal conditions.	None.
Ingestion:	May cause respiratory tract irritation.	None.

Section 12: Ecological Information

Ecotoxicity:	This product is nontoxic or practically nontoxic Class 4 to mammalian and avian wildlife.
Persistence and Degradability:	NA
Bioaccumulative Potential:	NA
Mobility in Soil:	NA
Results of PBT & vPvB:	NA
Other Adverse Effects:	NA

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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				
Guarda	Exempt	Guarda	NA	NA				
SARA Title III								
	Sec. 302 TPQ.	Sec 304 RQ.	Sec 311 / Sec 312 Hazard Category		Sec 313	Clean Air Act Threshold Qty.		
Guarda	NA	NA	NA		NA	NA		
NFPA 704 Rating	Health:	0	Flammability:	0	Reactivity:	0	Special:	None.
HMIS Rating	Health:	0	Flammability:	0	Physical:	0	PPE:	Recommended. (B)
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.							

Section 16: Other Information

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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