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## Material Safety Data Sheet (MSDS)

**Brand: Sol-U-Guard Botanical**

**Identity: Disinfectant**

**Company: Melaleuca, Inc.**

### About the MSDS

This Material Safety Data Sheet (MSDS) is designed as a guide for using Melaleuca's product in a workplace setting. The technical information presented is intended for industrial users who use Melaleuca products in greater concentrations and higher frequencies than consumers at home.

Each MSDS provides specific physical information about products including appearance, boiling point, melting point, safety information, health effects, and the appropriate first aid in an industrial setting. They also include information to guide storage, disposal, cleanup, and other precautions in the workplace.

Consumers and other Melaleuca customers should keep in mind that this information is required by the U.S. Government's Occupational Safety and Health Administration (OSHA) for workplace settings. MSDS sheets are not applicable to everyday consumers and their use of these products in their homes. For safety instructions, ingredients, and directions for use, consumers should refer to the product label.

For more information about Melaleuca products, see the latest issue of the *Melaleuca Country* catalog.

### About the Hazard Rating

On MSDSs, Melaleuca provides a product hazard rating in Section 2.1. Four areas are measured: overall Hazard, Health Hazard, Flammability, and Reactivity. Melaleuca uses a scale of 0 to 4 with 0 meaning no risk and 4 meaning an extreme risk. The following table explains the meaning of each area's scale level.

#### Hazard Rating

- 0=No risk
- 1=Minimal risk
- 2=Moderate risk
- 3=High risk
- 4=Extreme risk

#### Flammability

- 0=Material will not burn
- 1=Preheating required for ignition
- 2=Exposed to high temperature will ignite
- 3=Material will ignite under almost all conditions
- 4=Rapidly or completely vaporizes at normal pressure and temperature

#### Health Hazard

- 0=No hazard
- 1=Minimal risk of minor irritation
- 2=Temporary or minor injury possible
- 3=Overexposure causes serious injury
- 4=Overexposure life threatening

#### Reactivity

- 0=Normally stable, not reactive with water
- 1=May become unstable at elevated temperature and pressure
- 2=Normally unstable, may react with water
- 3=Capable of detonation or explosive reaction with initiating source
- 4=Capable of detonation or explosion under normal temperatures and pressures

# Sol-U-Guard Botanical

## Section 1: Product & Company Information

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Product: Sol-U-Guard Botanical.

Company: Melaleuca, Inc.

Contact Information: 800-742-8094; Household Cleaning Products,  
3910 South Yellowstone Hwy, Idaho Falls, ID 83402.

Emergency Telephone Number: Call local Poison Control Center.

## Section 2: Hazards Identification

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### 2.1 Emergency Overview

Hazard Rating: 0	0=No risk
Health: 0	1=Minimal
Flammability: 0	2=Moderate
Reactivity: 0	3=High
	4=Extreme

### 2.2 OSHA Regulatory Status

Sol-U-Guard Botanical is NOT hazardous within the meaning of the OSHA Hazard Communication Standard.

### 2.3 Potential Health Effects

Eyes: No effect per FIFRA regulations.

Skin: No effect per FIFRA regulations.

Ingestion: No effect per FIFRA regulations.

Medical Conditions Generally Aggravated by Exposure: None known.

Interactions with Other Chemical Known to Enhance Toxicity: None known.

### 2.4 Potential Environmental Effects

Not applicable.

## Section 3: Composition/Information on Ingredients

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Contains thymol (present as a component of thyme oil).

## Section 4: First Aid Measures

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### 4.1 First Aid Procedures

**Eye Contact:** Flush eyes thoroughly with cool water. Seek medical attention if irritation persists.

**Skin Contact:** Rinse exposed skin with cool water. Remove affected clothing and launder before reuse. Seek medical attention if irritation persists.

**Ingestion:** Drink water and treat symptoms. Seek medical attention if gastrointestinal symptoms persist.

### 4.2 Note to Physicians

If needed, specific information concerning the proprietary formula will be provided in confidence to qualified health care professionals.

## Section 5: Firefighting Measures

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### 5.1 Flammable Properties

Not flammable by OSHA criteria.

### 5.2 Extinguishing Media

#### 5.2.1 Suitable Extinguishing Media

Not applicable.

#### 5.2.2 Unsuitable Extinguishing Media

Not applicable.

### 5.3 Protection of Firefighters

#### 5.3.1 Specific Hazards Arising from the Chemical

Not applicable.

#### 5.3.2 Protective Equipment and Precautions for Firefighters

Not applicable. No known toxic hazard exists that will render Bunker gear (full firefighting gear) inadequate.

## Section 6: Accidental Release Measures

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### 6.1 Personal Precautions

None.

### 6.2 Environmental Precautions

Perform disposal in compliance with all state and Federal regulations.

### **6.3 Methods for Containment**

Dike the spill and transfer to suitable, covered, and labeled containers.

### **6.4 Methods for Cleanup**

Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, and labeled containers. Prevent extremely large spills from entering sewers or waterways. Contact supplier for advice. CAUTION: Spill area may remain slippery; scrub and thoroughly rinse off exposed areas.

### **6.5 Other Information**

Complete the disposal of the waste in compliance with all applicable government regulations.

## **Section 7: Handling & Storage**

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### **7.1 Handling**

Keep out of the reach of children.

### **7.2 Storage**

Store airtight at room temperature. No special handling requirements.

## **Section 8: Exposure Controls/Personal Protection**

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### **8.1 Exposure guidelines (Industrial setting)**

Not applicable.

### **8.2 Engineering controls (Industrial setting)**

Not applicable.

### **8.3 Personal protective equipment (PPE)**

#### **8.3.1 Eye/face protection (Industrial setting)**

Not required for intended usage.

#### **8.3.2 Skin protection (Industrial setting)**

Not required for intended usage.

#### **8.3.3 Respiratory protection (Industrial setting)**

None required.

#### **8.3.4 General Hygiene Considerations**

- Avoid direct contact with eyes.
- Avoid prolonged contact with skin.
- Avoid ingesting the liquid.
- Wash hands thoroughly before eating or drinking.
- Wash clothing that came into contact with liquid prior to wearing garments again.

## Section 9: Physical & Chemical Properties

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**Appearance:** Light tan liquid.

**Odor:** Clove and thyme.

**Auto-ignition Temperature:**  
Non-combustible.

**Percent Volatile by Volume (%):**  
Not applicable.

**Boiling Point (F):** As for water.

**pH:** 5.0–6.0.

**Decomposition Temperature:**  
Not applicable.

**Physical State:** Liquid.

**Evaporation Rate: (nBuOAc=1):**  
As for water.

**Solubility in Water:** Soluble.

**Specific Gravity (H<sub>2</sub>O=1):** 0.96.

**Explosive Limits:**  
**LEL:** Not applicable.  
**UEL:** Not applicable.

**Vapor Density (Air=10):** Not applicable.

**Flash Point (Method):** None.

**Vapor Pressure (mm Hg):** Not applicable.

**Melting/Freezing Point:** Not applicable.

**Odor Threshold:** Not applicable.

## Section 10: Stability & Reactivity

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### 10.1 Chemical Stability

Stable.

### 10.2 Conditions to Avoid

None.

### 10.3 Incompatible Materials

Not known.

### 10.4 Hazardous Decomposition Products

Does not occur.

### 10.5 Possibility of Hazardous Reactions

Does not occur.

## Section 11: Toxicological Information

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None known.

## **Section 12: Ecological Information**

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None known.

## **Section 13: Disposal Considerations**

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Perform disposal in compliance with all state and Federal regulations.

## **Section 14: Transport Information**

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### **14.1 Basic Shipping Description**

Sol-U-Guard Botanical is nonhazardous under DOT.

### **14.2 Additional Information**

Not applicable.

## **Section 15: Regulatory Information**

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No components of Sol-U-Guard Botanical are subject to California Proposition 65 labeling.

## **Section 16: Other Information**

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