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Material Safety Data Sheet (MSDS)

Brand: Sol-U-Guard Botanical 2X Concentrate

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 those who produce/manufacture the product and commercial 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 presented in a format compliant with the U.S. Government's Occupational Safety and Health Administration (OSHA) regulations. They 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 2X Concentrate

Section 1: Product & Company Information

Product: Sol-U-Guard Botanical 2X Concentrate

Company: Melaleuca, Inc.

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

Emergency Telephone Number: Call national (1-800-222-1222 U.S.) or local Poison Control Center.

Section 2: Hazards Identification

2.1 Emergency Overview

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

2.2 OSHA Regulatory Status

Sol-U-Guard Botanical 2X Concentrate is NOT hazardous within the meaning of the OSHA
Hazard Communication Standard

2.3 Potential Health Effects

Eyes: May cause moderate irritation.

Skin: Prolonged contact may cause minor irritation

Ingestion: May cause nausea, vomiting, or diarrhea.

Inhalation: Mist may act as a respiratory irritant.

Medical Conditions Generally Aggravated by Exposure: None known.

Interactions with Other Chemical Known to Enhance Toxicity: Mixing with chlorine bleach could produce toxic/irritating vapors.

2.4 Potential Environmental Effects

N/A

Section 3: Composition/Information on Ingredients

Does not contain hazardous materials.

Section 4: First Aid Measures

4.1 First Aid Procedures

Eye Contact: Flush eyes with water for at least 15 minutes. Seek medical attention if irritation persists.

Skin Contact: If irritation occurs, discontinue use of product. Remove affected clothing and launder before reuse. Seek medical attention if irritation persists.

Ingestion: Treat symptoms. Seek medical attention if gastrointestinal symptoms develop.

Inhalation: Remove to fresh air. Seek medical attention if difficulty with breathing persists.

4.2 Note to Physicians

N/A.

Section 5: Firefighting Measures

5.1 Flammable Properties

Not flammable.

5.2 Extinguishing Media

5.2.1 Suitable Extinguishing Media

Use foam, water, or dry chemical.

5.2.2 Unsuitable Extinguishing Media

Not known.

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

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 adequate containers.

6.4 Methods for Cleanup

Rinse small spills with water. CAUTION: Spill area may remain slippery; scrub and thoroughly rinse off exposed areas.

6.5 Other Information

N/A.

Section 7: Handling & Storage

7.1 Handling

Keep away from heat and open flames.

7.2 Storage

Store in a cool, dry, ventilated area. Store at temperatures between 50°F and 75°F.
Do not mix with bleach.

Section 8: Exposure Controls/Personal Protection

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. Wear safety goggles for splash protection.

8.3.2 Skin protection (Industrial setting)

Not required for intended usage. Wear chemical resistant gloves for prolonged contact with the product.

8.3.3 Respiratory protection (Industrial setting)

None required when used in a well-ventilated area. Use approved half-face respirator if using in confined space.

8.3.4 General Hygiene Considerations

- Avoid direct contact with eyes.
- Avoid ingesting.

Section 9: Physical & Chemical Properties

Appearance: Clear, colorless to pale yellow liquid.

Auto-ignition Temperature: Not determined.

Boiling Point (F): 212°F

Decomposition Temperature:
Not applicable.

Evaporation Rate: (nBuOAc=1):
Not applicable.

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

Flash Point (Method): Not applicable.

Specific Gravity (H₂O=1): 1.01

Odor: Characteristic thyme scent.

Percent Volatile by Volume (%):
Not applicable

pH: 3.2

Physical State: Liquid.

Solubility in Water: Miscible

Vapor Density (Air=10): Not determined.

Viscosity: <100 cP

Vapor Pressure (mm Hg): Equal to water.

Melting/Freezing Point: <32°F

Section 10: Stability & Reactivity

10.1 Chemical Stability

Stable.

10.2 Conditions to Avoid

Do not mix with chlorine bleach.

10.3 Incompatible Materials

Strong base; chlorine bleach; other sources of available chlorine.

10.4 Hazardous Decomposition Products

Does not occur.

10.5 Possibility of Hazardous Reactions

Mixing with chlorine bleach may result in the evolution of hazardous vapors including chloramine or chlorine gas.

Section 11: Toxicological Information

None known.

Section 12: Ecological Information

None known.

Section 13: Disposal Considerations

Perform disposal in compliance with all state and Federal regulations.

Section 14: Transport Information

14.1 Basic Shipping Description

Sol-U-Guard Botanical 2X Concentrate is not hazardous under DOT.

14.2 Additional Information

Not applicable.

Section 15: Regulatory Information

No component of Sol-U-Guard Botanical 2X Concentrate is subject to California Proposition 65 labeling.

Section 16: Other Information

The information provided herein is furnished without warranty of any kind, express or implied. Data supplied are for use only in connection with occupational safety and health. The information on this sheet is limited to the material identified and is believed by Melaleuca to be correct based on its knowledge and information as of the date noted. Melaleuca makes no representation, guarantee, or warranty, expressed or implied, as to the accuracy, reliability, or completeness of the information and assumes no responsibility for injury, damage, or loss resulting from the use of the material.