

MOISTURE GUARD - CONCENTRATE

MATERIAL SAFETY DATA SHEET

(MSDS) for HOT PEPPER WAX, Inc.
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MSDS REFERENCE: MOISTURE GUARD (MG)
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SECTION 1 - IDENTIFICATION

Moisture Guard is a liquid concentrate.

Product: Moisture Guard
Product Code: MG
Synonyms: Anti-transpirant for Christmas wreaths & trees, fruits, vegetables, flowers and ornamentals
CAS Number: Mixture – no single C.A.S. number available

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Water

CAS Reg Number: 7732-18-5
Weight %: 70
Exposure Limits: N/A (OSHA/PEL and ACGIH/TLV)

Paraffin Emulsion

CAS Reg Number: Proprietary*
Weight%: 30
Exposure Limits:
Not Established (OSHA/PEL and ACGIH/TLV)

*Trade secret as allowed by 29 CFR 1910.1200-48

SECTION 3 - HAZARDS IDENTIFICATION

A. Emergency Overview:

Physical Appearance and Odor: White emulsion, mild waxy odor

Warning Statements: Based on currently available data, this product does not meet the regulatory definition of a hazardous substance. However, good industrial hygiene practices should be used in handling this product.

B. Potential Health Effects:

Primary Routes of Entry:

Eye and skin contact, ingestion, and inhalation.

Effect of Overexposure:

Acute Eye: May cause redness or slight irritation.

Acute Skin: Prolonged or repeated skin contact may result in slight, temporary irritation.

Acute Inhalation: Not a likely route of entry.

Acute Ingestion: May result in temporary nausea or diarrhea.

Chronic Effects: This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

SECTION 4 – FIRST AID MEASURES:

EYE CONTACT: DO NOT RUB EYES. Immediately flush eyes with large amounts of water for 15 minutes lifting the lower and upper lids. Seek medical attention if necessary.

SKIN CONTACT: Remove contaminated clothing and immediately wash affected area with large amounts of water for at least 5 minutes. If irritation or redness persists, seek medical attention as needed.

INHALATION: Move individual to fresh air and check to assure adequate respiration. Seek medical attention if necessary.

Medical Conditions Possibly Aggravated by

Exposure: Skin contact may aggravate existing skin conditions/diseases.

Notes to Physician: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. No specific antidote is available.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point: None to boiling

Flammability Class: N/A **Method Used:** N/A

Flammability Limits (vol/vol%):

Lower: N/A **Upper:** N/A

Extinguishing Media: N/A

Special Fire Fighting Procedures: Use water spray to cool drums exposed to fire.

Unusual Fire and Explosion Hazards: None

Hazardous Decomposition Materials (Under Fire Conditions): None

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Evacuation Procedures and Safety: See Section 8 - Personal Protection information.

Spill Containment: Follow procedure described below.

Cleanup and Disposal of Spill: Contain material by diking the area around the spill. Coagulate with either dry calcium chloride or with a concentrated solution of calcium chloride. Small spills should be mopped up immediately. Sweep or otherwise collect into recovery drums and dispose of properly. Both the emulsion and the dried film may present a slip hazard. (A detailed spill response plan should be developed and implemented.)

Environmental and Regulatory Reporting: Do not flush to drain. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

SECTION 7 – HANDLING AND STORAGE

Minimum/Maximum Storage Temperature: Ideal temperatures are 45-85°F. Avoid freezing temperatures and temperatures above 120°F.

Handling: Avoid direct or prolonged contact with eyes and skin.

Storage: Store in tightly closed containers. Store in an area that is dry, well ventilated, away from ignition sources, and away from incompatible materials. See Section 10 for Stability and Reactivity information.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Introductory Remarks: These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations.
Exposure Guidelines: No exposure limits were found for this product or any of its ingredients.

Engineering Controls: Use under normal ventilation. No additional engineering controls are required.

Respiratory Protection: Not required.

Eye/Face Protection: Wear appropriate protective safety goggles as described in 29 CFR 1910.133. An eyewash station is recommended.

Skin Protection: Skin contact should be minimized through the use of appropriate clothing and suitable long-sleeved clothing (i.e., shirts and pants), impervious work gloves, and shoes plus socks.

Work Practice Controls: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material.

1. Do not store, use, and/or consume food, beverages, tobacco products, or cosmetics in area where this material is stored.
2. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
3. Wash exposed skin properly to remove accidental splashes or contact with this material.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Physical Appearance: White emulsion
Odor: Mild waxy odor
pH: Not established
Specific Gravity: 0.94 – 0.98
Water Solubility: Dispersible
Boiling Point Range: 212°F (100°C)
Vapor Pressure: 17.5mm @ 25°C
Vapor Density (air=1): Approx. 1

SECTION 10 - REACTIVITY

Chemical Stability: This material is stable under normal handling and storage conditions described in Section 7.
Conditions to be Avoided: Keep away from heat, sparks and open flames.
Materials/Chemicals to be Avoided: Avoid contact with strong oxidizing agents.
The following Hazardous Decomposition Products might be Expected:
Decomposition Type: Thermal None
Hazardous Polymerization: Will not occur
Avoid the Following to Inhibit Hazardous Polymerization: N/A

SECTION 11 – TOXICOLOGICAL INFORMATION

No data available for the following categories:
Acute Eye Irritation, Acute Skin Irritation, Acute Dermal Toxicity, Acute Respiratory Irritation, Acute Inhalation Toxicity, Acute Oral Toxicity
Chronic Toxicity: Toxicological Information and Interpretation: This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

SECTION 12 – ECOLOGICAL INFORMATION

No data available for **Exotoxicity, Environmental Fate, or Chemical/Physical Information.**
Waste Disposal Method: Dispose of wastes in a manner consistent with federal, state, and local regulation.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Method: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

SECTION 14 – TRANSPORTATION

US Department of Transportation Shipping Classification: Petroleum resin wax emulsion compound liquid
Hazard Class: None

SECTION 15 – REGULATORY INFORMATION

Inventory Status:

Inventory	Status
UNITED STATES (TSCA)	Y
CANADA (DSL)	Y
EUROPE (EINECS/ELINCS)	ND
AUSTRALIA (AICS)	ND
JAPAN (MITI)	ND
SOUTH KOREA (KECL)	ND

Y: All ingredients are on the inventory
E: All ingredients are on the inventory or exempt from listing
P: One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.
ND: Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

FEDERAL REGULATIONS:

Inventory Issues: All functional components of this product are listed on the TSCA inventory.

SARA Title III Section 313: N/A

SARA Title III Hazard Classes:

Fire Hazard	NO
Reactive Hazard	NO
Release of Pressure	NO
Acute Health Hazard	NO
Chronic Health Hazard	NO

OTHER FEDERAL REGULATIONS:

FDA Status: N/A
FIFRA Status: N/A
STATE REGULATIONS: N/A
WHMIS: N/A

SECTION 16 – OTHER INFORMATION

National Fire Protection Association Hazard Ratings – NFPA (R):

1 Health Hazard Rating – Slight
0 Flammability Rating - Minimal
0 Reactivity Rating - Minimal

National Paint and Coating Hazardous Materials Identification System – HMIS (R):

1 Health Hazard Rating - Slight
0 Flammability Rating - Minimal
0 Reactivity Rating – Minimal

Key Legend Information:

ACGIH Amer. Conference of Govtl. Industrial Hygienists
OSHA Occupational Safety and Health Administration
TLV Threshold Limit Value
PEL Permissible Exposure Limit
TWA Time Weighted Average
STEL Short-Term Exposure Limit
NTP National Toxicology Program
IARC International Agency for Research on Cancer
ND Not determined

Disclaimer:

The information presented herein is believed to be fact, as it as been derived from the works and opinions of persons believed to be qualified experts: However, nothing contained in this information is to be taken as warranty or representation for which Hot Pepper Wax, Inc. bears legal responsibility; the user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

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Prepared June 1, 2005 by LM Grotzinger, Hot Pepper Wax, Inc., 305 Third St., Greenville, PA 16125