

MATERIAL SAFETY DATA SHEET

Citrus Shield Premium Paste Wax

MSDS DATE: 3/12/13

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Citrus-Shield Premium Paste Wax
MANUFACTURER: Howard Products, Inc.
ADDRESS: 560 Linne Road
Paso Robles, CA 93446

HEALTH	1
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	G

EMERGENCY PHONE: 1-805-227-1000
CHEMTREC PHONE: 1-800-424-9300
FAX PHONE: 1-805-227-1007

PRODUCT USE: Waxing Wood
PREPARED BY: Howard Products, Inc.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT(s):	CAS #	% VOL
Solvent Naptha (Petroleum), Heavy Paraffinic LVP-VOC	64742-96-7	55-75
Carnauba Wax	8015-86-9	5-15
Paraffin Wax	8002-74-2	5-15
Beeswax	8012-89-3	2-10
Oils, orange, sweet	8008-57-9	2-10

SECTION 3: HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW: WARNING
COMBUSTIBLE
Keep away from heat and flame
Eye and skin irritant
May cause sensitization by skin contact

POTENTIAL SHORT TERM HEALTH EFFECTS

ROUTES OF EXPOSURE: Eye, Skin contact, Skin absorption, Inhalation, Ingestion

EYES: May cause irritation

SKIN: Contact with skin can cause irritation and allergic reaction (sensitization) in some individuals

INHALATION: May cause respiratory tract irritation

INGESTION: May cause stomach distress nausea or vomiting

TARGET ORGANS: Eyes. Skin. Respiratory system.

CHRONIC EFFECTS: Prolonged or repeated exposure can cause drying, defatting and dermatitis.

SIGNS AND SYMPTOMS: Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

SECTION 4: FIRST AID MEASURES

EYES: Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

SKIN: Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

INGESTION: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

INHALATION: Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

NOTES TO PHYSICIAN: Symptoms may be delayed.

GENERAL ADVICE: Keep away from sources of ignition. No smoking. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

SECTION 5: FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: Combustible by WHMIS/OSHA criteria.

EXTINGUISHING MEDIA: Suitable extinguishing media: Dry chemical

PROTECTION OF FIREFIGHTERS: Specific hazards arising from the chemical: Not available

Protective equipment for the firefighters: Not available

HAZARDOUS COMBUSTION PRODUCTS: May include and are not limited to: Oxides of carbon.

EXPLOSION DATA:

Sensitivity to mechanical impact: Not available

Sensitivity to static discharge: Not available

MATERIAL SAFETY DATA SHEET

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SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damages containers or spilled material unless wearing appropriate protective clothing. Keep people away from an upwind of spill/leak.

METHODS FOR CONTAINMENT: Use precautions for combustible materials.

METHODS FOR CLEANING UP: If molten, allow to solidify. Remove sources of ignition. Before attempting clean up, refer to hazard data given above. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

SECTION 7: HANDLING AND STORAGE

HANDLING: Wash hands with soap and water after handling.

STORAGE: Keep out of reach of children. Store in well-ventilated area, away from heat, sparks and flame.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS	EXPOSURE LIMITS
INGREDIENT(S)	ACGIH-TLV
Oils, orange, sweet	Not established
	OSHA-PEL
	Not established
ENGINEERING CONTROLS:	Local exhaust normally adequate
PERSONAL PROTECTIVE EQUIPMENT	
EYE/FACE PROTECTION:	N/A
HAND PROTECTION:	N/A
SKIN AND BODY PROTECTION:	As required by employer code.
RESPIRATORY PROTECTION:	Not normally required.
GENERAL HYGIENE CONSIDERATIONS:	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Waxy Solid
COLOR:	Yellow to Dark Brown
FORM:	Waxy solid
ODOR:	Citrus
ODOR THRESHOLD:	Not available
PHYSICAL STATE:	Solid
pH:	Not available
MELTING POINT:	180 °F
FREEZING POINT	Not available
BOILING POINT	340-399 °F
FLASH POINT	109-129 °F
POUR POINT	Not available
EVAPORATION RATE	Not available
FLAMMABILITY LIMITS IN AIR, LOWER, % BY VOLUME	Not applicable
FLAMMABILITY LIMITS IN AIR, UPPER, % BY VOLUME	Not applicable
VAPOR PRESSURE	Not available
VAPOR DENSITY	Not available
SPECIFIC GRAVITY	0.886
OCTANOL/WATER COEFFICIENT	Not available
SOLUBILITY (H2O)	Insoluble

MATERIAL SAFETY DATA SHEET

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AUTO-IGNITION TEMPERATURE Not available

PERCENT VOLATILE: Not available

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under recommended storage conditions.
CONDITIONS TO AVOID: Avoid high temperatures.
INCOMPATIBILITY MATERIALS: Strong oxidizing agents – Peroxides, Halogens, Vinyl Chloride.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition yielding oxides of carbon.
POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous polymerization does not occur.
CONDITIONS TO AVOID: Polymerization catalysts such as Aluminum Chloride.

SECTION 11: TOXICOLOGICAL INFORMATION

Component analysis - LC50

Ingredient(s)	LC50
Oils, orange, sweet	13 mg/1/4h rat

Component analysis - Oral LD50

Ingredient(s)	LD50
Oils, orange, sweet	5000 mg/kg rat

Effects of acute exposure

Eye	N/A
Skin	N/A
Inhalation	N/A
Ingestion	May irritate digestive tract.
Sensitization	N/A
Chronic effects	Non-hazardous by WHMIS/OSHA criteria.
Carcinogenicity	Non-hazardous by WHMIS/OSHA criteria.
Mutagenicity	Non-hazardous by WHMIS/OSHA criteria.
Reproductive effects	Non-hazardous by WHMIS/OSHA criteria.
Teratogenicity	Non-hazardous by WHMIS/OSHA criteria.
Synergistic Materials	Not available

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY	Components of this product have been identified as having potential environmental concerns.
ENVIRONMENTAL EFFECTS	Not available
AQUATIC TOXICITY	Not available
PERSISTENCE / DEGRADABILITY	Not available
BIOACCUMULATION / ACCUMULATION	Not available
PARTITION COEFFICIENT	Not available
MOBILITY IN ENVIRONMENTAL MEDIA	Not available
CHEMICAL FATE INFORMATION	Not available
OTHER ADVERSE EFFECTS	Not available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE CODES	Not available
DISPOSAL INSTRUCTIONS	Review federal, state/provincial, and local government requirements prior to disposal.
WASTE FROM RESIDUES / UNUSED PRODUCTS	Remove to landfill
CONTAMINATED PACKAGING	Properly dispose of used cloths

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT)	Not regulated as dangerous goods.
TRANSPORTATION OF DANGEROUS GOODS (TDG - CANADA)	Not regulated as dangerous goods.

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SECTION 15: REGULATORY INFORMATION

US Federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

Occupational Safety and Health Administration (OSHA)
29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely - No hazardous substance

Section 311 hazardous chemical - Yes

Clean Air Act (CAA) Not available

Clean Water Act (CWA) Not available

WHMIS status Controlled

WHMIS classification Class B - Division 3 - Combustible Liquid, Class D - Division 2B

WHMIS labeling



State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances

Aliphatic Hydrocarbon NJTS #254504001-5164 Present

U.S. - Massachusetts - Right To Know List

Aliphatic Hydrocarbon NJTS #254504001-5164 Present

U.S. - Minnesota - Hazardous Substance List

Aliphatic Hydrocarbon NJTS #254504001-5164 Present

U.S. - New Jersey - Right to Know Hazardous Substance List

Aliphatic Hydrocarbon NJTS #254504001-5164

U.S. - Pennsylvania - RTK (Right to Know) List

Aliphatic Hydrocarbon NJTS #254504001-5164 Present

U.S. - Rhode Island - Hazardous Substance List

Aliphatic Hydrocarbon NJTS #254504001-5164 Toxic

Inventory name

Country(s) or region

Inventory name

On inventory (yes/no)*

Canada

Domestic Substances List (DSL)

Yes

Canada

Non-Domestic Substances List (NDSL)

No

United States & Puerto Rico

Toxic Substances Control Act (TSCA) Inventory

Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

SECTION 16: OTHER INFORMATION

Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Effective date

12-April-2013

Expiry date

12-April-2016

Prepared by

Howard Products, Inc.