

# Safety Data Sheet

## Citrus-Shield Neutral Paste Wax.

Revision Date: 08/27/2024

### Section 1. Identification

#### Product identifier

#### Product Identity

Citrus-Shield Neutral Paste Wax.

#### Other means of identification

Citrus-Shield Neutral Paste Wax.

#### Relevant identified uses of the substance or mixture and uses advised against

See Technical Data Sheet.

#### Details of the supplier of the safety data sheet

#### Company Name

Howard Products, Inc.

560 Linne Road

Paso Robles, CA 93446

#### Emergency

#### CHEMTREC (USA)

(800) 424-9300

#### 24 hour Emergency Telephone No.

EMERGENCY PHONE:1-805-227-1000

#### Customer Service:

FAX PHONE: 1-805-227-1007

### Section 2. Hazard(s) identification

#### Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).

Flammable Liquid 4;H227

Combustible Liquid.

Skin sensitizer category 1;H317

May cause an allergic skin reaction.

Aquatic toxicity (acute), category 2;H401

Toxic to aquatic life.

Aquatic toxicity (chronic), category 2;H411

Toxic to aquatic life with long lasting effects.

#### Label elements



#### Warning

H227 Combustible liquid.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

#### [Prevention]

P210 Keep away from heat, sparks, open flames, and other ignition sources - No smoking.

P261 Avoid breathing dust, fume, gas, mist, vapors, spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves, eye protection, and face protection.

# Safety Data Sheet

## Citrus-Shield Neutral Paste Wax.

Revision Date: 08/27/2024

**[Response]**

P302+352 IF ON SKIN: Wash with plenty of soap and water.  
 P333+313 If skin irritation or a rash occurs: Get medical advice or attention.  
 P362+364 Take off contaminated clothing and wash it before reuse.  
 P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.  
 P391 Collect spillage.

**[Storage]**

P403+235 Store in a well ventilated place. Keep cool.

**[Disposal]**

P501 Dispose of contents or container in accordance with local and national regulations.

**Other hazards**

This product contains no PBT/vPvB chemicals.  
 This product contains no endocrine disrupting chemicals.

### Section 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Distillates (petroleum), hydrotreated light CAS Number: 64742-47-8 Synonyms: Distillates (petroleum), hydrotreated light	45 - 70	Aspiration hazard, category 1;H304	No data available
Paraffin Wax CAS Number: 8002-74-2 Synonyms: Paraffin	10 - 30	Not Classified	No data available
Citrus Terpenes CAS Number: 5989-27-5 Synonyms: (R)-p-mentha-1,8-diene, Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)-, D-Limonene	3 - 7	Flammable Liquid, category 3;H226 Skin corrosion/irritation category 2;H315 Skin sensitizer category 1;H317 Aquatic toxicity (acute), category 1;H400 Aquatic toxicity (chronic), category 1;H410 Aspiration hazard, category 1;H304	No data available
Carnauba wax CAS Number: 8015-86-9 Synonyms: Carnauba wax	3 - 7	Not Classified	No data available
Paraffin waxes and Hydrocarbon waxes, oxidized CAS Number: 68153-22-0 Synonyms: Paraffin waxes and Hydrocarbon waxes, oxidized	3 - 7	Not Classified	No data available
Beeswax CAS Number: 8012-89-3 Synonyms: Beeswax (The wax obtained from the honeycomb of the bee. It consists primarily of myricyl palmitate, cerotic acid and es	1 - 5	Not Classified	No data available

The actual concentration or concentration range is withheld as a trade secret.  
 \*PBT/vPvB - PBT-substance or vPvB-substance.  
 The full texts of the phrases are shown in Section 16.

**Section 4. First aid measures**

**Description of first aid measures**

<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
<b>Eyes</b>	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
<b>Skin</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
<b>Ingestion</b>	If victim is conscious and alert, give 2-4 cupfuls of milk or water. DO NOT INDUCE VOMITING.

**Most important symptoms and effects, both acute and delayed**

<b>Overview</b>	<p>Inhalation hazard, only if dust is created. Treat symptomatically. Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.</p> <p>Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation, and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.</p>
<b>Skin</b>	May cause an allergic skin reaction. Causes mild skin irritation.

**Section 5. Fire-fighting measures**

**Extinguishing media**

Use media appropriate for surrounding area.

**Special hazards arising from the substance or mixture**

Hazardous decomposition: High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

Keep away from heat, sparks, open flames, and other ignition sources - No smoking.

Avoid breathing dust, fume, gas, mist, vapors, spray.

**Advice for fire-fighters**

Not Applicable

**ERG Guide No.**            ----

# Safety Data Sheet

## Citrus-Shield Neutral Paste Wax.

Revision Date: 08/27/2024

### Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

#### Environmental precautions

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

#### Methods and material for containment and cleaning up

Wipe up with cloth or sponge.

### Section 7. Handling and storage

#### Precautions for safe handling

Store in a cool dry place.

Store in accordance with the National Fire Protection Association's publication NFPA 30, Flammable and Combustible Liquids Code. 29 CFR 1910.106 applies to the handling, storage, and use of flammable and combustible liquids.

See section 2 for further details. - [Prevention]

#### Conditions for safe storage, including any incompatibilities

Store in a cool dry area, away from heat, sparks and open flame.

Keep containers sealed when not in use.

Store out of direct sunlight.

Incompatible materials: Strong oxidizing agents and acids.

See section 2 for further details. - [Storage]

#### Specific end use(s)

No data available.

### Section 8. Exposure controls / personal protection

#### Control parameters

#### Exposure

CAS No.	Ingredient	Source	Value
5989-27-5	Citrus Terpenes	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
8002-74-2	Paraffin Wax	OSHA	No Established Limit
		ACGIH	2 mg/m <sup>3</sup>
		NIOSH	TWA 2 mg/m <sup>3</sup>
8012-89-3	Beeswax	OSHA	No Established Limit

# Safety Data Sheet

## Citrus-Shield Neutral Paste Wax.

Revision Date: 08/27/2024

		ACGIH	No Established Limit
		NIOSH	No Established Limit
8015-86-9	Carnauba wax	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
64742-47-8	Distillates (petroleum), hydrotreated light	OSHA	500 ppm, 2000 mg/m <sup>3</sup>
		ACGIH	TWA 200 mg/m <sup>3</sup> (as Kerosine)
		NIOSH	No Established Limit
68153-22-0	Paraffin waxes and Hydrocarbon waxes, oxidized	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

Contains mineral oil. The exposure limits for oil mist are 5 mg/m<sup>3</sup> OSHA PEL and 5 mg/m<sup>3</sup> ACGIH.

### Exposure controls

#### Respiratory

If workers are exposed to concentrations above the exposure limit, they must use the appropriate, certified respirators.

#### Eyes

Safety glasses with side shields

#### Skin

Wear PVC or rubber gloves to keep skin contact to a minimum. Refer to the manufacturer's recommendations regarding the suitability of any gloves used.

#### Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

#### Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

## Section 9. Physical and chemical properties

### Information on basic physical and chemical properties

<b>Physical State</b>	Waxy solid
<b>Color</b>	Light Yellow
<b>Odor</b>	Citrus
<b>Melting point / freezing point</b>	180 F
<b>Initial boiling point and boiling range</b>	340-399 F
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> Not Established <b>Upper Explosive Limit:</b> Not Established
<b>Flash Point</b>	185 F
<b>Auto-ignition temperature</b>	Not Established
<b>Decomposition temperature</b>	Not Established
<b>pH</b>	Not Established
<b>Viscosity (cSt)</b>	Not Established
<b>Solubility in Water</b>	Not Available

# Safety Data Sheet

## Citrus-Shield Neutral Paste Wax.

Revision Date: 08/27/2024

<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Available
<b>Vapor pressure (Pa)</b>	Not Established
<b>Relative Density</b>	0.886
<b>Vapor Density</b>	Not Established
<b>Evaporation rate (Ether = 1)</b>	Not Established
<b>VOC Content</b>	Not Established
<b>Other information</b>	
No other relevant information.	

### Section 10. Stability and reactivity

#### Reactivity

Hazardous Polymerization will not occur.

#### Chemical stability

Stable under normal circumstances.

#### Possibility of hazardous reactions

No data available.

#### Conditions to avoid

Excessive heat and open flame.

#### Incompatible materials

Strong oxidizing agents and acids.

#### Hazardous decomposition products

High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

### Section 11. Toxicological information

#### Acute toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation, and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

# Safety Data Sheet

## Citrus-Shield Neutral Paste Wax.

Revision Date: 08/27/2024

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Distillates (petroleum), hydrotreated light - (64742-47-8)	> 5,000.00, Rat - Category: NA	>2,000.00, Rabbit - Category: 5	No data available.	No data available.	No data available.
Paraffin Wax - (8002-74-2)	> 5,000.00, Rat - Category: NA	>2,000.00, Rat - Category: 5	No data available.	No data available.	No data available.
Citrus Terpenes - (5989-27-5)	>2,000.00, Rat - Category: 5	> 5,000.00, Rabbit - Category: NA	No data available.	No data available.	No data available.
Carnauba wax - (8015-86-9)	No data available.	No data available.	No data available.	No data available.	No data available.
Paraffin waxes and Hydrocarbon waxes, oxidized - (68153-22-0)	No data available.	No data available.	No data available.	No data available.	No data available.
Beeswax - (8012-89-3)	No data available.	No data available.	No data available.	No data available.	No data available.

### Carcinogen Data

CAS No.	Ingredient	Source	Value
5989-27-5	Citrus Terpenes	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes;
		ACGIH	No Established Limit
8002-74-2	Paraffin Wax	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
8012-89-3	Beeswax	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
8015-86-9	Carnauba wax	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
64742-47-8	Distillates (petroleum), hydrotreated light	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	A3
68153-22-0	Paraffin waxes and Hydrocarbon waxes, oxidized	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit

# Safety Data Sheet

## Citrus-Shield Neutral Paste Wax.

Revision Date: 08/27/2024

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

Possible routes of entry: No data available.

**Symptoms and effects, both acute and delayed:**

Inhalation hazard, only if dust is created. Treat symptomatically.

**Skin**

May cause an allergic skin reaction. Causes mild skin irritation.

## Section 12. Ecological information

**Toxicity**

Toxic to aquatic life with long lasting effects.

**Aquatic Ecotoxicity**

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
Distillates (petroleum), hydrotreated light - (64742-47-8)	20.00, Oncorhynchus mykiss	1.40, Daphnia magna	8.30, Pseudokirchneriella subcapitata
Paraffin Wax - (8002-74-2)	101.00, Pimephales promelas	> 10,000, Daphnia magna	> 1,000, Pseudokirchneriella subcapitata
Citrus Terpenes - (5989-27-5)	0.72, Pimephales promelas	0.31, Daphnia magna	0.32, Pseudokirchneriella subcapitata
Carnauba wax - (8015-86-9)	No data available.	No data available.	No data available.
Paraffin waxes and Hydrocarbon waxes, oxidized - (68153-22-0)	No data available.	No data available.	No data available.
Beeswax - (8012-89-3)	No data available.	No data available.	No data available.



# Safety Data Sheet

## Citrus-Shield Neutral Paste Wax.

Revision Date: 08/27/2024

### Persistence and degradability

There is no data available on the preparation itself.

### Bioaccumulative potential

Not Available

### Mobility in soil

No data available.

### Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### Other adverse effects

### Ecotoxicity:

The toxicity of this material to aquatic organisms has not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.

## Section 13. Disposal considerations

### Waste treatment methods

Waste should not be released to sewers. Observe all federal, state, and local regulations when disposing of this substance.

## Section 14. Transport information

Not regulated for packages under 5L (1.3 gallons) or 5.0 kg (11 lbs).

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>UN number</b>	Not Regulated	Not Regulated	Not Regulated
<b>UN proper shipping name</b>	Not Regulated	Not Regulated	Not Regulated
<b>Transport hazard class(es)</b>	<b>DOT Hazard Class:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>IMDG:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>Air Class:</b> Not Applicable <b>Sub Class:</b> Not Applicable
<b>Packing group</b>	Not Applicable	Not Applicable	Not Applicable

### Environmental hazards

Marine Pollutant: Yes; ( Citrus Terpenes )

### Special precautions for user

Not Applicable

# Safety Data Sheet

## Citrus-Shield Neutral Paste Wax.

Revision Date: 08/27/2024

### Section 15. Regulatory information

**Regulatory Overview** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).

#### Toxic Substance Control Act (TSCA)

CAS Number	Ingredient	Toxic Substance Control Act (TSCA)	Comments	Status
0006485-40-1	(-)-Carvone	Yes		ACTIVE
0000080-56-8	.alpha.-Pinene	Yes		ACTIVE
0000143-08-8	1-Nonanol	Yes		ACTIVE
0000111-87-5	1-Octanol	Yes		ACTIVE
0000106-25-2	2,6-Octadien-1-ol, 3,7-dimethyl-, (Z)-	Yes		ACTIVE
0000101-39-3	2-Propenal, 2-methyl-3-phenyl-	Yes		ACTIVE
0000106-23-0	6-Octenal, 3,7-dimethyl-	Yes		ACTIVE
0008012-89-3	Beeswax	Yes	UVCB	ACTIVE
0013466-78-9	Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl-	Yes		ACTIVE
0000087-44-5	BICYCLO[7.2.0]UNDEC-4-ENE, 4,11,11-TRIMETHYL-8-MET	Yes		ACTIVE
0000124-13-0	Caprylaldehyde	Yes		ACTIVE
0008015-86-9	Carnauba wax	Yes	UVCB	ACTIVE
0005392-40-5	Citral	Yes		ACTIVE
0005989-27-5	Citrus Terpenes	Yes		ACTIVE
0000099-87-6	CYMENE	Yes		ACTIVE
0000112-31-2	Decanal	Yes		ACTIVE
0064742-47-8	Distillates (petroleum), hydrotreated light	Yes	UVCB	ACTIVE
0000078-70-6	Linalool (ex bois de rose, synthetic)	Yes		ACTIVE
0000115-95-7	Lynalyl acetate (ex bois de rose, synthetic)	Yes		ACTIVE
0000123-35-3	Myrcene	Yes		ACTIVE
0008002-74-2	Paraffin Wax	Yes	UVCB	ACTIVE
0063231-60-7	Paraffin waxes and hydrocarbon waxes, microcryst	Yes	UVCB	ACTIVE
0068153-22-0	Paraffin waxes and Hydrocarbon waxes, oxidized	Yes	UVCB	ACTIVE
0000112-44-7	Undecanal	Yes		ACTIVE
Proprietary	Yellow Dye	No		

**EPCRA 302 Extremely Hazardous:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 313 Toxic Chemicals:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Carcinogens (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute

**Proposition 65 - Developmental Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

# Safety Data Sheet

## Citrus-Shield Neutral Paste Wax.

Revision Date: 08/27/2024

**Proposition 65 - Female Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 Label Warning:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### Section 16. Other information

**Revision Date** 08/27/2024

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H226 Flammable liquid and vapor.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

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.

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