

## 1. Identification

### 1.1. Product identifier

**Product Identity** SunShield

**Alternate Names** SunShield

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

**Intended use** See Technical Data Sheet.

### 1.3. 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: Howard Products, Inc.** FAX PHONE: 1-805-227-1007

## 2. Hazard(s) identification

### 2.1. Classification of the substance or mixture

Flam. Liq. 4;H227 Combustible Liquid.

Skin Irrit. 3;H316 Causes mild skin irritation. (Note: this GHS classification was not adopted by US OSHA).

Skin Sens. 1;H317 May cause an allergic skin reaction.

### 2.2. Label elements



### Warning

H227 Combustible liquid.

H316 Causes mild skin irritation.

H317 May cause an allergic skin reaction.

### [Prevention]

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

P235 Keep cool.

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

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

P280 Wear protective gloves, eye protection, face protection.

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## [Response]

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P321 Specific treatment (see information on this label).

P332+313 IF SKIN IRRITATION OCCURS: Get medical advice or attention.

P333 If skin irritation or a rash occurs:

P362 Take off contaminated clothing and wash before reuse.

P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

## [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.

## 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations  | Weight % | GHS Classification                    | Notes |
|---|----------|---------------------------------------|-------|
| Distillates Hydrotreated Heavy Paraffin<br>CAS Number: 0064742-54-7     | 50 - 75  | Not Classified                        | ----  |
| Distillates (petroleum), hydrotreated light<br>CAS Number: 0064742-47-8 | 10 - 25  | Asp. Tox. 1;H304                      | ----  |
| Paraffin Wax<br>CAS Number: 0008002-74-2                                | 1 - 5    | Not Classified                        | ----  |
| Beeswax<br>CAS Number: 0008012-89-3                                     | 1 - 5    | Not Classified                        | ----  |
| Carnauba wax<br>CAS Number: 0008015-86-9                                | 1 - 5    | Not Classified                        | ----  |
| Orange terpenes<br>CAS Number: 0008028-48-6                             | 1 - 5    | Flam. Liq. 2;H225<br>Asp. Tox. 1;H304 | ----  |
| 2-Hydroxy-4-methoxybenzophenone<br>CAS Number: 0000131-57-7             | 1 - 5    |                                       | ----  |

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been 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

### 4.1. Description of first aid measures

#### General

In all cases of doubt, or when symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.

#### Inhalation

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.

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|                  |  |
|------------------|--|
| <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.   |

## 4.2. 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. Check section 2.2 (GHS Label Elements) for further details.</p> |
| <b>Skin</b>     | May cause an allergic skin reaction. Causes mild skin irritation.  |

## Section 5. Fire-fighting measures

### 5.1. Extinguishing media

Use media appropriate for surrounding area.

### 5.2. 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.

Keep cool.

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

### 5.3. Advice for fire-fighters

Not Applicable

ERG Guide No. ---

## Section 6. Accidental release measures

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

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

### 6.2. 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.

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

Wipe up with cloth or sponge.

## Section 7. Handling and storage

### 7.1. 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.

Check section 2.2 (GHS Label Elements) for further details. - [Prevention]

### 7.2. 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.

Check section 2.2 (GHS Label Elements) for further details. - [Storage]

### 7.3. Specific end use(s)

No data available.

## Section 8. Exposure controls / personal protection

### 8.1. Control parameters

| CAS No.      | Ingredient                                  | Exposure |                      |
|--------------|---|----------|----------------------|
|              |   | Source   | Value                |
| 0000131-57-7 | 2-Hydroxy-4-methoxybenzophenone             | OSHA     | No Established Limit |
|              |   | ACGIH    | No Established Limit |
|              |   | NIOSH    | No Established Limit |
| 008002-74-2  | Paraffin Wax                                | OSHA     | No Established Limit |
|              |   | ACGIH    | TWA: 2 mg/m3         |
|              |   | NIOSH    | TWA 2 mg/m3          |
| 0008012-89-3 | Beeswax                                     | OSHA     | No Established Limit |
|              |   | ACGIH    | No Established Limit |
|              |   | NIOSH    | No Established Limit |
| 0008015-86-9 | Carnauba wax                                | OSHA     | No Established Limit |
|              |   | ACGIH    | No Established Limit |
|              |   | NIOSH    | No Established Limit |
| 0008028-48-6 | Orange terpenes                             | OSHA     | No Established Limit |
|              |   | ACGIH    | No Established Limit |
|              |   | NIOSH    | No Established Limit |
| 0064742-47-8 | Distillates (petroleum), hydrotreated light | OSHA     | No Established Limit |
|              |   | ACGIH    | No Established Limit |
|              |   | NIOSH    | No Established Limit |

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|              |   |       |                      |
|--------------|---|-------|----------------------|
| 0064742-54-7 | Distillates Hydrotreated Heavy Parrafin | 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 10 mg/m<sup>3</sup> ACGIH.

## 8.2. Exposure controls

|                             |   |
|-----------------------------|---|
| <b>Respiratory</b>          | Dust mask   |
| <b>Eyes</b>                 | Safety glasses with side shields  |
| <b>Skin</b>                 | Not Applicable  |
| <b>Engineering Controls</b> | 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. |
| <b>Other Work Practices</b> | Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.   |

Check section 2.2 (GHS Label Elements) for further details.

## Section 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|  |  |
|--|--|
| <b>Appearance</b>                                      | Color: Creamy yellow Wax    Physical State: Solid  |
| <b>Odor</b>  | Orange   |
| <b>Odor threshold</b>                                  | Not determined   |
| <b>pH</b>  | Not Measured   |
| <b>Melting point / freezing point</b>                  | Not Measured   |
| <b>Initial boiling point and boiling range</b>         | > 93.33 C (>200 F)   |
| <b>Flash Point</b>                                     | 60.55 C (141 F) Tag Closed Cup   |
| <b>Evaporation rate (Ether = 1)</b>                    | < 1 (BuAc=1)   |
| <b>Flammability (solid, gas)</b>                       | Not Applicable   |
| <b>Upper/lower flammability or explosive limits</b>    | <b>Lower Explosive Limit:</b> Not Measured<br><b>Upper Explosive Limit:</b> Not Measured |
| <b>Vapor pressure (Pa)</b>                             | Not Measured   |
| <b>Vapor Density</b>                                   | > 1 (air=1)  |
| <b>Relative Density</b>                                | Not Measured   |
| <b>Solubility in Water</b>                             | Not Measured   |
| <b>Partition coefficient n-octanol/water (Log Kow)</b> | Not Measured   |
| <b>Auto-ignition temperature</b>                       | Not Measured   |
| <b>Decomposition temperature</b>                       | Not Measured   |
| <b>Viscosity (cSt)</b>                                 | Not Measured   |

### 9.2. Other information

DMSO extract by IP346: Less than 3.0 wt % (mineral oil component only)

**Section 10. Stability and reactivity**

**10.1. Reactivity**

Hazardous Polymerization will not occur.

**10.2. Chemical stability**

Stable under normal circumstances.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

Excessive heat and open flame.

**10.5. Incompatible materials**

Strong oxidizing agents and acids.

**10.6. 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.

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 Hydrotreated Heavy Paraffin - (64742-54-7)     | > 5,000.00, Rat<br>- Category: NA | > 5,000.00, Rabbit<br>- Category: NA | No data available               | No data available                   | No data available        |
| Distillates (petroleum), hydrotreated light - (64742-47-8) | > 5,000.00, Rat<br>- Category: NA | >2,000.00, Rabbit<br>- Category: 5   | No data available               | No data available                   | No data available        |
| Paraffin Wax - (8002-74-2)                                 | > 5,000.00, Rat<br>- Category: NA | >2,000.00, Rat<br>- Category: 5      | 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        |
| Carnauba wax - (8015-86-9)                                 | No data available                 | No data available                    | No data available               | No data available                   | No data available        |
| Orange terpenes - (8028-48-6)                              | 5,000.00, Rat<br>- Category: 5    | 5,000.00, Rabbit<br>- Category: 5    | No data available               | No data available                   | No data available        |

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|  |                   |                   |                   |                   |                   |
|--|-------------------|-------------------|-------------------|-------------------|-------------------|
| 2-Hydroxy-4-methoxybenzophenone - (131-57-7) | No data available | No data available | No data available | No data available | No data available |
|--|-------------------|-------------------|-------------------|-------------------|-------------------|

## Carcinogen Data

| CAS No.      | Ingredient                                  | Source | Value  |
|--------------|---|--------|--|
| 0000131-57-7 | 2-Hydroxy-4-methoxybenzophenone             | OSHA   | Regulated Carcinogen: No;  |
|              |   | NTP    | Known: No; Suspected: No;  |
|              |   | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
|              |   | ACGIH  | No Established Limit   |
| 0008002-74-2 | Paraffin Wax                                | OSHA   | Regulated Carcinogen: No;  |
|              |   | NTP    | Known: No; Suspected: No;  |
|              |   | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
|              |   | ACGIH  | No Established Limit   |
| 0008012-89-3 | Beeswax                                     | OSHA   | Regulated Carcinogen: No;  |
|              |   | NTP    | Known: No; Suspected: No;  |
|              |   | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
|              |   | ACGIH  | No Established Limit   |
| 0008015-86-9 | Carnauba wax                                | OSHA   | Regulated Carcinogen: No;  |
|              |   | NTP    | Known: No; Suspected: No;  |
|              |   | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
|              |   | ACGIH  | No Established Limit   |
| 0008028-48-6 | Orange terpenes                             | OSHA   | Regulated Carcinogen: No;  |
|              |   | NTP    | Known: No; Suspected: No;  |
|              |   | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
|              |   | ACGIH  | No Established Limit   |
| 0064742-47-8 | 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; Group 4: No; |
|              |   | ACGIH  | No Established Limit   |
| 0064742-54-7 | Distillates Hydrotreated Heavy Paraffin     | OSHA   | Regulated Carcinogen: No;  |
|              |   | NTP    | Known: No; Suspected: No;  |
|              |   | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
|              |   | ACGIH  | No Established Limit   |

| Classification                | Category | Hazard Description   |
|-------------------------------|----------|--|
| Acute toxicity (oral)         | ---      | Not Applicable   |
| Acute toxicity (dermal)       | ---      | Not Applicable   |
| Acute toxicity (inhalation)   | ---      | Not Applicable   |
| Skin corrosion/irritation     | 3        | Causes mild skin irritation. (Note: this GHS classification was not adopted by US OSHA). |
| 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   |

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|                        |     |                |
|------------------------|-----|----------------|
| STOT-single exposure   | --- | Not Applicable |
| STOT-repeated exposure | --- | Not Applicable |
| Aspiration hazard      | --- | Not Applicable |

## Section 12. Ecological information

### 12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

### Aquatic Ecotoxicity

| Ingredient   | 96 hr LC50 fish, mg/l       | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l                                 |
|--|-----------------------------|----------------------------|---|
| Distillates Hydrotreated Heavy Paraffin - (64742-54-7)     | 101.00, Pimephales promelas | > 10,000, Daphnia magna    | 100.00 (72 hr), Pseudokirchneriella subcapitata   |
| Distillates (petroleum), hydrotreated light - (64742-47-8) | 20.00, Oncorhynchus mykiss  | 1.40, Daphnia magna        | 8.30 (72 hr), Pseudokirchneriella subcapitata     |
| Paraffin Wax - (8002-74-2)                                 | 101.00, Pimephales promelas | > 10,000, Daphnia magna    | 1,001.00 (72 hr), Pseudokirchneriella subcapitata |
| Beeswax - (8012-89-3)                                      | Not Available               | Not Available              | Not Available                                     |
| Carnauba wax - (8015-86-9)                                 | Not Available               | Not Available              | Not Available                                     |
| Orange terpenes - (8028-48-6)                              | 0.702, Pimephales promelas  | 0.67, Daphnia magna        | 170.00 (72 hr), Desmodesmus subspicatus           |
| 2-Hydroxy-4-methoxybenzophenone - (131-57-7)               | Not Available               | Not Available              | Not Available                                     |

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. 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

### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.



**Section 14. Transport information**

|   | <b>DOT (Domestic Surface Transportation)</b>                                | <b>IMO / IMDG (Ocean Transportation)</b>                        | <b>ICAO/IATA</b>   |
|---|---|---|--|
| <b>14.1. UN number</b>                    | Not Regulated   | Not Regulated   | Not Regulated  |
| <b>14.2. UN proper shipping name</b>      | Not Regulated   | Not Regulated   | Not Regulated  |
| <b>14.3. Transport hazard class(es)</b>   | <b>DOT Hazard Class:</b> Not Applicable<br><b>Sub Class:</b> Not Applicable | <b>IMDG:</b> Not Applicable<br><b>Sub Class:</b> Not Applicable | <b>Air Class:</b> Not Applicable<br><b>Sub Class:</b> Not Applicable |
| <b>14.4. Packing group</b>                | Not Applicable  | Not Applicable  | Not Applicable   |
| <b>14.5. Environmental hazards</b>        |   |   |  |
| <b>IMDG</b>                               | Marine Pollutant: No;   |   |  |
| <b>14.6. Special precautions for user</b> | Not Applicable  |   |  |

**Section 15. Regulatory information**

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

**Toxic Substance Control Act ( TSCA)**     All components of this material are either listed or exempt from listing on the TSCA Inventory.

**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.

**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:**  
This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**Section 16. Other information**

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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:

H225 Highly flammable liquid and vapor.

H304 May be fatal if swallowed and enters airways.

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.

End of Document