

MATERIAL SAFETY DATA SHEET

SunShield

MSDS DATE: 06/15/11

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SunShield
MANUFACTURER: Howard Products, Inc.
ADDRESS: 560 Linne Road
Paso Robles, CA 93446

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

PRODUCT USE: Wood Conditioner & Protectant
PREPARED BY: Howard Products, Inc.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT(s):	CAS #	% VOL
Distillates (petroleum) hydrotreated heavy paraffinic	64742-54-7	60-70
Distillates (petroleum) light hydrotreated low VOC	64742-47-8	20-30
Oils, orange, sweet	8008-57-9	1-5
Beeswax	8012-89-3	1-3
Paraffin Wax	8002-74-2	1-3
Carnauba Wax	8015-86-9	1-3
Methanone	131-57-7	1-3

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: Remove contaminated clothing, cleanse affected area by washing with soap and water.

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

INGESTION: DO NOT INDUCE VOMITING. Never give anything by mouth if victim is unconscious, or is convulsing. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Give three cups of milk to drink. Obtain medical attention.

NOTES TO PHYSICIAN: Symptoms may be delayed.

SECTION 5: FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: Combustible by WHMIS/OSHA criteria.

EXTINGUISHING MEDIA:

Suitable extinguishing media:

Unsuitable extinguishing media:

Foam, CO2, Dry Chemical or water fog.

Water spray may be useful to cool containers, but do not use a solid water stream as it may scatter and spread fire.

PROTECTION OF FIREFIGHTERS:

Specific hazards arising from the chemical:

Not available

Protective equipment for the firefighters: Firefighters should wear full protective clothing including self contained breathing apparatus.

MATERIAL SAFETY DATA SHEET

SunShield

MSDS DATE: 06/15/11

FIRE AND EXPLOSION HAZARDOUS: This product will self extinguish, however thermal decomposition may yield dense black smoke, as well as oxides of carbon. Under normal conditions, this product will not create its own heat or cause self ignition.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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

METHODS FOR CONTAINMENT: Prevent entry into waterways, sewers, basements or confined areas.

METHODS FOR CLEANING UP: Keep open flames or spark sources away. Collect liquid in sealed containers or absorbent material.

SECTION 7: HANDLING AND STORAGE

HANDLING: Use good industrial hygiene practices in handling this material

STORAGE: Store in cool dry place. Keep away from incompatible materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS

INGREDIENT(S)

Oils, orange, sweet

Aliphatic Hydrocarbon

EXPOSURE LIMITS

ACGIH-TLV

Not established

OSHA-PEL

Not established

ACGIH-TLV

TWA: 100 ppm

OSHA-PEL

TWA: 500 ppm

General ventilation normally adequate

ENGINEERING CONTROLS:

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION:

N/A

HAND PROTECTION:

Rubber gloves.

SKIN AND BODY PROTECTION:

As required by employer code.

RESPIRATORY PROTECTION:

Where exposure guideline levels may be exceeded, use an approved MIOSH respirator.

GENERAL HYGIENE CONSIDERATIONS:

Handle in accordance with good industrial hygiene and safety practice. Wash hands with soap and water after use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Creamy

COLOR: Yellow

FORM: Wax

ODOR: Orange

ODOR THRESHOLD: Not available

PHYSICAL STATE: Solid

pH: Not available

MELTING POINT: Not available

FREEZING POINT: Not available

BOILING POINT: > 93.33 °C (> 200 °F)

FLASH POINT: 60.55 °C (141 °F) Tag Closed Cup

POUR POINT: Not available

EVAPORATION RATE: < 1 (BuAc=1)

VAPOR PRESSURE: Not available

VAPOR DENSITY: > 1 (air=1)

SPECIFIC GRAVITY: 0.89

SOLUBILITY (H₂O): Insoluble

MATERIAL SAFETY DATA SHEET

SunShield

MSDS DATE: 06/15/11

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable under recommended storage conditions.
CONDITIONS TO AVOID:	Avoid high temperatures. Do not mix with other chemicals.
INCOMPATIBILITY MATERIALS:	Acids, Oxidizers, Vinyl Chloride
HAZARDOUS DECOMPOSITION PRODUCTS:	If heated to high temperatures: Oxides of carbon.
POSSIBILITY OF HAZARDOUS REACTIONS:	Hazardous polymerization will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Component analysis - LC50

Ingredient(s)	LC50
Distillates (petroleum) hydrotreated heavy paraffinic	2.18 mg/l/4h rat
Distillates (petroleum) light hydrotreated low VOC	5.2 mg/l/4h rat
Oils, orange, sweet	13 mg/1/4h rat

Component analysis - Oral LD50

Ingredient(s)	LD50
Distillates (petroleum) hydrotreated heavy paraffinic	5000 mg/kg rat
Distillates (petroleum) light hydrotreated low VOC	5000 mg/kg rat
Oils, orange, sweet	5000 mg/kg rat

Effects of acute exposure

Eye	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.
Sensitization	Contains a potential skin sensitizer.
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	Not available
CONTAMINATED PACKAGING	Not available

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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.

SECTION 15: REGULATORY INFORMATION

Canadian federal regulations

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

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.