

MATERIAL SAFETY DATA SHEET

Orange Oil

MSDS DATE: 11/10/11

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Orange Oil Wood Polish
MANUFACTURER: Howard Products, Inc.
ADDRESS: 560 Linne Road
Paso Robles, CA 93446

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

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

PRODUCT USE: Wood Polish
PREPARED BY: Justine Lopez

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT(s):	CAS #	% VOL
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	50-70
Oils, orange, sweet	8008-57-9	3-7
Distillates (petroleum) light hydrotreated low VOC	64742-47-8	15-40

SECTION 3: HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW: WARNING
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. May be absorbed through the skin.

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. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

NOTES TO PHYSICIAN: Symptoms may be delayed.

GENERAL ADVICE: 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: Not flammable by WHMIS/OSHA criteria.

EXTINGUISHING MEDIA:

Suitable extinguishing media: Dry chemical. Carbon dioxide. Fog.

Unsuitable extinguishing media: Not available

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

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

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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 damaged containers or spilled material unless wearing appropriate protective clothing.
METHODS FOR CONTAINMENT:	Keep people away from an upwind of spill/leak. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
METHODS FOR CLEANING UP:	Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

SECTION 7: HANDLING AND STORAGE

HANDLING:	Use good industrial hygiene practices in handling this material.
STORAGE:	Keep out of reach of children. Store in a closed container away from incompatible materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS

INGREDIENT(S)

EXPOSURE LIMITS

Distillates (petroleum), hydrotreated heavy paraffinic	ACGIH-TLV Not established OSHA-PEL Not established
Distillates (petroleum) light hydrotreated low VOC	ACGIH-TLV Not established OSHA-PEL Not established
Oils, lemon, sweet	ACGIH-TLV Not established OSHA-PEL Not established

ENGINEERING CONTROLS:

General ventilation normally adequate

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION:

Wear safety glasses with side shields

HAND PROTECTION:

Rubber gloves. Confirm with a reputable supplier first.

SKIN AND BODY PROTECTION:

As required by employer code.

RESPIRATORY PROTECTION:

Where exposure guideline levels may be exceeded, use an approved MIOSH respirator. Wear nuisance dust mask where mist is created.

GENERAL HYGIENE CONSIDERATIONS:

Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear
COLOR:	Orange
FORM:	Liquid
ODOR:	Orange
ODOR THRESHOLD:	Not available
PHYSICAL STATE:	Liquid
pH:	Not available
MELTING POINT:	Not available
FREEZING POINT	Not available
BOILING POINT	> 400 °F (> 204.44 °C)
FLASH POINT	326°F (163.33 °C) Tag Closed Cup
POUR POINT	Not available
EVAPORATION RATE	< 1 (BuAc=1)

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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	0.86
OCTANOL/WATER COEFFICIENT	Not available
SOLUBILITY (H2O)	Negligible
AUTO-IGNITION TEMPERATURE	Not available
PERCENT VOLATILE:	Not available

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable under recommended storage conditions.
CONDITIONS TO AVOID:	Do not mix with other chemicals.
INCOMPATIBILITY MATERIALS:	Acids. Oxidizers. Peroxides. Vinyl chloride.
HAZARDOUS DECOMPOSITION PRODUCTS:	May include and are not limited to: Oxides of carbon.
POSSIBILITY OF HAZARDOUS REACTIONS:	Hazardous polymerization does not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Component analysis - LC50	LC50
Ingredient(s)	
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/l/4h rat
Component analysis - Oral LD50	LD50
Ingredient(s)	
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. May be absorbed through the skin.
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.	
Ecotoxicity - Freshwater Fish Species Data		
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	96 Hr LC50 Oncorhynchus mykiss: >5000 mg/L
Distillates (petroleum), light hydrotreated	64742-47-8	96 Hr LC50 Pimephales promelas: 45 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 2.2 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 2.4 mg/L [static]

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Ecotoxicity - Water Flea Data		
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	48 Hr EC50 Daphnia magna: >1000 mg/L
Distillates (petroleum), light hydrotreated	64742-47-8	96 Hr LC50 Den-dronereides heteropoda: 4720 mg/L
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

SECTION 14: TRANSPORT INFORMATION

TC Shipping Description: PETROLEUM OIL, N.O.I.B.N., NOT REGULATED AS A DANGEROUS GOOD
DOT Shipping Description: PETROLEUM OIL, N.O.I.B.N., NOT REGULATED AS A HAZARDOUS MATERIAL

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 - No 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 D - Division - 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.

Inventory name	Inventory name	On inventory (yes/no)*
Country(s) or region		
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)

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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.

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Prepared by

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Other information

For an updated MSDS, please contact the supplier/manufacture listed on the first page of the document.