

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product Name** Orange Oil Furniture Polish  
**CAS #** Mixture  
**Product use** Furniture Polish  
**Manufacturer** Howard Products Inc.  
560 Linne Road  
Paso Robles, CA 93446 US  
Phone: 1-805-227-1000  
**CHEMTREC** 1-800-424-9300

## 2. Hazards Identification

**Emergency overview** WARNING  
MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION.  
MAY CAUSE ALLERGIC SKIN REACTION.

**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. See Section 11.

**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.

**OSHA Regulatory Status** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Potential environmental effects** See section 12.

## 3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	60 - 100
Solvent naphtha (petroleum), heavy aliphatic	64742-96-7	15 - 40
Oils, orange, sweet	8008-57-9	1 - 5
Methanone, (2-hydroxy-4-methoxyphenyl)phenyl-	131-57-7	0.1 - 1

## 4. First Aid Measures

**First aid procedures**

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

**Skin contact** Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

**Inhalation** If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

**Ingestion** 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.

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## 5. Fire Fighting Measures

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<b>Flammable properties</b>	Not flammable by WHMIS/OSHA criteria.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Dry chemical. Carbon dioxide. Fog. Foam.
<b>Unsuitable extinguishing media</b>	Not available
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Not available
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available
<b>Sensitivity to static discharge</b>	Not available

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## 6. Accidental Release Measures

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<b>Personal precautions</b>	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 and upwind of spill/leak.
<b>Environmental precautions</b>	Do not discharge into lakes, streams, ponds or public waters.
<b>Methods for containment</b>	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills to original containers for re-use.

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## 7. Handling and Storage

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<b>Handling</b>	Use good industrial hygiene practices in handling this material. Avoid contact with eyes. Avoid prolonged or repeated skin contact with this material. Avoid breathing vapors or mists of this product. Use only with adequate ventilation. Wash thoroughly after handling.
<b>Storage</b>	Keep out of reach of children. Store in a closed container away from incompatible materials.

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## 8. Exposure Controls / Personal Protection

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### Exposure limits

Ingredient(s)	Exposure Limits
Methanone, (2-hydroxy-4-methoxyphenyl)phenyl-	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Oils, orange, sweet	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Petroleum distillates, hydrotreated heavy paraffinic	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Solvent naphtha (petroleum), heavy aliphatic	<b>ACGIH-TLV</b> TWA: 100 ppm <b>OSHA-PEL</b> TWA: 100 ppm

<b>Engineering controls</b>	General ventilation normally adequate.
<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	Wear safety glasses with side shields.
<b>Hand protection</b>	Rubber gloves. Confirm with a reputable supplier first.
<b>Skin and body protection</b>	As required by employer code.
<b>Respiratory protection</b>	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Wear nuisance dust mask where mist is created.
<b>General hygiene considerations</b>	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.

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## 9. Physical and Chemical Properties

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<b>Appearance</b>	Clear
<b>Color</b>	Orange
<b>Form</b>	Liquid
<b>Odor</b>	Orange
<b>Odor threshold</b>	Not available
<b>Physical state</b>	Liquid
<b>pH</b>	Not available
<b>Melting point</b>	Not available
<b>Freezing point</b>	Not available
<b>Boiling point</b>	> 400 °F (> 204.44 °C)
<b>Pour point</b>	Not available
<b>Evaporation rate</b>	< 1 (BuAc=1)
<b>Flash point</b>	326 °F (163.33 °C) Tag Closed Cup
<b>Auto-ignition temperature</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Flammability limits in air, upper, % by volume</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available

Specific gravity	0.86
Octanol/water coefficient	Not available
Solubility (H2O)	Negligible
Viscosity	Not available
Percent volatile	Not available

## 10. Stability and Reactivity

Reactivity	None known.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Acids. Oxidizers. Peroxides. Vinyl chloride
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Methanone, (2-hydroxy-4-methoxyphenyl)phenyl-	Not available
Oils, orange, sweet	13 mg/l/4h rat
Petroleum distillates, hydrotreated heavy paraffinic	2.18 mg/l/4h rat
Solvent naphtha (petroleum), heavy aliphatic	Not available

### Component analysis - Oral LD50

Ingredient(s)	LD50
Methanone, (2-hydroxy-4-methoxyphenyl)phenyl-	7400 mg/kg rat
Oils, orange, sweet	5000 mg/kg rat
Petroleum distillates, hydrotreated heavy paraffinic	5000 mg/kg rat
Solvent naphtha (petroleum), heavy aliphatic	2500 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	Contains a potential reproductive toxin.
Teratogenicity	Non-hazardous by WHMIS/OSHA criteria.
Name of Toxicologically Synergistic Products	Not available

## 12. Ecological Information

**Ecotoxicity** Components of this product have been identified as having potential environmental concerns.

### Ecotoxicity - Freshwater Fish - Acute Toxicity Data

Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7 96 Hr LC50 Oncorhynchus mykiss: >5000 mg/L

### Ecotoxicity - Water Flea - Acute Toxicity Data

Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7 48 Hr EC50 Daphnia magna: >1000 mg/L

**Persistence / degradability** Not available

<b>Bioaccumulation / accumulation</b>	Not available
<b>Mobility in environmental media</b>	Not available
<b>Environmental effects</b>	Not available
<b>Aquatic toxicity</b>	Not available
<b>Partition coefficient</b>	Not available
<b>Chemical fate information</b>	Not available
<b>Other adverse effects</b>	Not available

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### 13. Disposal Considerations

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<b>Disposal instructions</b>	Review federal, state/provincial, and local government requirements prior to disposal.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

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### 14. Transport Information

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**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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### 15. Regulatory Information

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<b>Canadian federal regulations</b>	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.
<b>WHMIS status</b>	Controlled
<b>WHMIS classification</b>	Class D - Division 2A, 2B
<b>WHMIS labeling</b>	



**Occupational Safety and Health Administration (OSHA)**

29 CFR 1910.1200 hazardous chemical Yes

**US Federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**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 hazardous substance** No

**Section 311 hazardous chemical** Yes

**Clean Water Act (CWA)** Not available

**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****Country(s) or region**

Canada

Canada

United States &amp; Puerto Rico

**Inventory name**

Domestic Substances List (DSL)

Non-Domestic Substances List (NDSL)

Toxic Substances Control Act (TSCA) Inventory

**On inventory (yes/no)\***

Yes

No

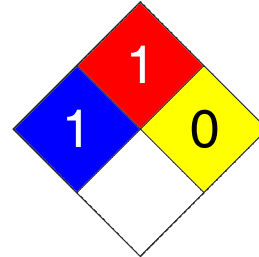
Yes

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

**16. Other Information**

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	* 1
Flammability	1
Physical Hazard	0
Personal Protection	X

**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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01-Jun-2016

**Prepared by**

Dell Tech Laboratories Ltd. (519) 858-5021

**Other information**

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

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.