

# MATERIAL SAFETY DATA SHEET

Feed-N-Wax

MSDS DATE: 03/12/13

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Feed-N-Wax  
**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 Polish & Conditioner  
**PREPARED BY:** Howard Products, Inc.

HEALTH	1
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT(s):</u>	<u>CAS #</u>	<u>% VOL</u>
Distillates, hydrotreated heavy paraffinic	64742-54-7	40-70
Solvent Naphtha (Petroleum) Heavy Aliphatic LVP-VOC	64742-96-7	15-30
Oils, orange, sweet	8008-57-9	2-8
Beeswax	8012-89-3	2-8
Paraffin Wax	8002-74-2	2-8
Carnauba Wax	8015-86-9	2-8

## 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:** 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. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

**NOTES TO PHYSICIAN:** Symptoms may be delayed.

**GENERAL ADVICE:** Keep away from sources of ignition. No smoking. 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:** Combustible by WHMIS/OSHA criteria.

**EXTINGUISHING MEDIA:**  
Suitable extinguishing media: Carbon dioxide. Foam. Dry chemical  
Unsuitable extinguishing media: 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.

**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 damages 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:** Remove sources of ignition. 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.

## SECTION 7: HANDLING AND STORAGE

**HANDLING:** Use good industrial hygiene practices in handling this material

**STORAGE:** Keep out of reach of children. Store in well-ventilated area, away from heat, sparks and flame.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>EXPOSURE LIMITS</b>	<b>EXPOSURE LIMITS</b>
<b>INGREDIENT(S)</b>	<b>ACGIH-TLV</b>
Oils, orange, sweet	Not established
	<b>OSHA-PEL</b>
	Not established
Aliphatic Hydrocarbon	<b>ACGIH-TLV</b>
	TWA: 100 ppm
	<b>OSHA-PEL</b>
	TWA: 500 ppm
	General ventilation normally adequate
<b>ENGINEERING CONTROLS:</b>	
<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 MIOSH respirator.
<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.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Creamy
<b>COLOR:</b>	Yellow
<b>FORM:</b>	Wax
<b>ODOR:</b>	Orange
<b>ODOR THRESHOLD:</b>	Not available
<b>PHYSICAL STATE:</b>	Solid
<b>pH:</b>	Not available
<b>MELTING POINT:</b>	Not available
<b>FREEZING POINT</b>	Not available
<b>BOILING POINT</b>	> 93.33 °C (> 200 °F)
<b>FLASH POINT</b>	60.55 °C (141 °F) Tag Closed Cup
<b>POUR POINT</b>	Not available
<b>EVAPORATION RATE</b>	< 1 (BuAc=1)
<b>FLAMMABILITY LIMITS IN AIR,</b>	
<b>LOWER, % BY VOLUME</b>	Not applicable
<b>FLAMMABILITY LIMITS IN AIR,</b>	
<b>UPPER, % BY VOLUME</b>	Not applicable

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<b>VAPOR PRESSURE</b>	Not available
<b>VAPOR DENSITY</b>	> 1 (air=1)
<b>SPECIFIC GRAVITY</b>	0.89
<b>OCTANOL/WATER COEFFICIENT</b>	Not available
<b>SOLUBILITY (H2O)</b>	Insoluble
<b>AUTO-IGNITION TEMPERATURE</b>	Not available
<b>PERCENT VOLATILE:</b>	Not available

## SECTION 10: STABILITY AND REACTIVITY

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

## SECTION 11: TOXICOLOGICAL INFORMATION

### Component analysis - LC50 Ingredient(s)

#### LC50

Distillates hydrotreated heavy paraffinic	2.18 mg/l; 4h rat
Solvent Naphtha (Petroleum) Heavy Aliphatic LVP-VOC	5 mg/l; 4h rat
Oils, orange, sweet	13 mg/l; 4h rat

### Component analysis - Oral LD50 Ingredient(s)

#### LD50

Distillates hydrotreated heavy paraffinic	5000 mg/kg rat
Solvent Naphtha (Petroleum) Heavy Aliphatic LVP-VOC	5 g/kg rat
Oils, orange, sweet	5000 mg/kg rat

### Effects of acute exposure

<b>Eye</b>	May cause irritation.
<b>Skin</b>	Contact with skin can cause irritation and allergic reaction (sensitization) in some individuals.
<b>Inhalation</b>	May cause respiratory tract irritation.
<b>Ingestion</b>	May cause stomach distress, nausea or vomiting.
<b>Sensitization</b>	Contains a potential skin sensitizer.
<b>Chronic effects</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Carcinogenicity</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Mutagenicity</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Reproductive effects</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Teratogenicity</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Synergistic Materials</b>	Not available

## SECTION 12: ECOLOGICAL INFORMATION

<b>ECOTOXICITY</b>	Components of this product have been identified as having potential environmental concerns.
<b>ENVIRONMENTAL EFFECTS</b>	Not available
<b>AQUATIC TOXICITY</b>	Not available
<b>PERSISTENCE / DEGRADABILITY</b>	Not available
<b>BIOACCUMULATION / ACCUMULATION</b>	Not available
<b>PARTITION COEFFICIENT</b>	Not available
<b>MOBILITY IN ENVIRONMENTAL MEDIA</b>	Not available
<b>CHEMICAL FATE INFORMATION</b>	Not available
<b>OTHER ADVERSE EFFECTS</b>	Not available

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>WASTE CODES</b>	Not available
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## 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

### 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.

#### Canada - WHMIS - Ingredient Disclosure List

Aliphatic Hydrocarbon NJTS #254504001-5164 1 %

### 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

Canada

Canada

United States & 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)

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## SECTION 16: OTHER INFORMATION

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**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.

**Effective date**

12-April-2013

**Expiry date**

12-April-2016

**Prepared by**

Howard Products, Inc.