

MATERIAL SAFETY DATA SHEET

Feed-N-Wax

MSDS DATE: 06/15/11

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

INGREDIENT(S):	CAS #	% VOL
Distillates (petroleum) hydrotreated heavy paraffinic	64742-54-7	40-70
Distillates (petroleum) light hydrotreated low VOC	64742-47-8	15-40
Oils, orange, sweet	8008-57-9	1-5
Beeswax	8012-89-3	1-5
Paraffin Wax	8002-74-2	1-5
Carnauba Wax	8015-86-9	1-5

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.

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EXPLOSION DATA:

Sensitivity to mechanical impact: Not available
Sensitivity to static discharge: Not available

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:

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

EXPOSURE LIMITS

INGREDIENT(S)

Oils, orange, sweet

EXPOSURE LIMITS

ACGIH-TLV

Not established

OSHA-PEL

Not established

Aliphatic Hydrocarbon

ACGIH-TLV

TWA: 100 ppm

OSHA-PEL

TWA: 500 ppm

General ventilation normally adequate

ENGINEERING CONTROLS:

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.

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:

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)

FLAMMABILITY LIMITS IN AIR,

LOWER, % BY VOLUME

Not applicable

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FLAMMABILITY LIMITS IN AIR,

UPPER, % BY VOLUME	Not applicable
VAPOR PRESSURE	Not available
VAPOR DENSITY	> 1 (air=1)
SPECIFIC GRAVITY	0.89
OCTANOL/WATER COEFFICIENT	Not available
SOLUBILITY (H ₂ O)	Insoluble
AUTO-IGNITION TEMPERATURE	Not available
PERCENT VOLATILE:	Not available

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.
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

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

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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

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	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.

Issue date

15-June-2011

Effective date

15-June-2011

Expiry date

15-June-2014

Prepared by

Howard Products, Inc.