

November 2020

Wax Research Inc.

SAFETY DATA SHEET

PRODUCT:

Wintersteiger Non-Fluoro Performance Snow Waxes

85% by Weight

1 Product and company identification

Product name Fully refined paraffin wax proprietary blend
Manufacturer/Supplier Wax Research Inc.
Address 1212 Distribution Way, Vista, CA 92081
Telephone number Office: 760-607-0850
Fax number Office: (760-607-0860
National emergency no. CHEMTREC: (800) 424-9300 Continental U.S.

2 Composition/information on ingredients

Generic name Paraffin wax
Chemical family Petroleum hydrocarbon
CAS number 8002-74-2
Molecular formula N/A

3 Hazards identification

Physical state/appear. Solid
Hazardous components None
Emergency overview WARNING! COMBUSTIBLE LIQUID
Non toxic and non hazardous. Molten wax may result in heat burns.
Potential acute health effects
Eyes Solid-None. Molten-May cause severe burns. Dust or fumes may cause tearing.
Skin Solid-Dermatitis may occur with prolonged exposure. Molten-May cause heat burns, not readily absorbed through the skin.
Inhalation Inhalation of paraffin wax vapors or powder particles may cause respiratory tract irritation.
Ingestion Molten - the high temperature may cause burns on contact with mouth/esophagus/stomach.
NFPA Hazard ID Health: 1 Flammability: 1 Reactivity: 0

4 First-aid measures

Eye Contact Check for and remove any contact lenses. Immediately flush eyes with plenty of water. Seek medical attention.
Skin Contact Molten-Immerse affected area in cold water to assist cooling. Seek medical attention. Do not remove solidified wax from skin.
Note to physician Support respiratory and cardiovascular function.

Material Safety Data Sheet (cont.)

5 Fire-fighting measures

Flammability of product Combustible at high temperature

Products of combustion Carbon oxides (CO, CO₂)

Fire fighting media and instructions

Small fire Dry chemical powder

Large fire Water spray, fog or foam. Do not use water jet.

Protective equipment (fire) Approved/certified respirator or equivalent

Specific hazards Incomplete combustion produces fumes, flue gases, carbon monoxide

Additional information Apply cold water in order to cool containers exposed to danger.

6 Accidental release measures

Small spill and leak Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large spill and leak Use a shovel to put the material in a convenient waste disposal container.

Spill in Navigable Waters Report spills of any amount in navigable waters or adjoining shorelines to:

National Response Center, (800) 424 - 8802.

7 Handling and storage

Handling Avoid breathing dust. Storage Store solids in a cool, dry, well-ventilated area. Contact with any heat source may cause melting. Liquid paraffin may also be stored in bulk storage tanks (170°–200°F).

8 Exposure controls/personal protection

Exposure limits (fumes) ACGIH (United States, 2002) TWA: 2mg/m³

NIOSH (United States, 2002) TWA: 2mg/m³

Engineering controls Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limits. Molten wax should not be exposed to water, as it causes violent steam explosions on molten wax.

Personal Protective equipment

Eyes Safety glasses or goggles

Face shields should be worn to protect eyes against hot wax splashes.

Body Full suit

Respiratory Approved dust respirator, or vapor respirator in area of high concentrations of dust/vapor

Hands Heat resistant gloves if working with molten wax

Feet Safety boots

In case of large spill Splash goggles, full suit, boots, and gloves

9 Physical and chemical properties

Color Off-white to white solid (molten wax is clear).

Odor None to slight petroleum odor.

Flash point (closed cup) ≥455°F

Congeaing point ≤200°F

Density at 25°C 0.90 g/ml

Material Safety Data Sheet (cont.)

Average molecular mass nd
Solubility in water (20°C) negligible
Physical state Solid at ambient temperature
Explosion properties Hazard exists if in sub-micron form (dust)

10 Stability and reactivity

Conditions to avoid Prolonged storage 50°C above congealing point may interfere with quality.
Incompatibility Avoid contact with strong oxidizing agents.
Hazardous decomp. prod. Flue gas, carbon monoxide, aldehydes in the case of incomplete combustion
Thermal Decomposition approx. 250°C

11 Toxicological information

NOEL (rat) - 20 - 2000 mg/kg/day
Oral TDLO rat - > 2000 mg/kg/day

12 Ecological information

The product is water-insoluble, and under normal environmental conditions, has no detrimental effect on plants, animals or micro-organisms.
Keep away from waterways, sewers, drains, basements and confined spaces.

13 Disposal considerations

Waste information Waste must be disposed of in accordance with federal, state and local environment control regulations.

14 Transport information

THIS PRODUCT IS NOT CONTROLLED UNDER ANY OF THE FOLLOWING CLASSIFICATIONS: DOT (United States), TDG (Canada), IMDG, IATA

15 Regulatory information

HCS classification Combustible
TSCA 8(b) inventory Paraffin wax
Canadian DSL/NDSL Paraffin wax
SARA List Not found
This product is not classified according to the EU regulations.

16 Other information

Although the information contained herein is presented in good faith and to the best of Sasol Wax's knowledge and experience, it is made without any warranty or guarantee whatsoever.

Wax Research Inc.

SAFETY DATA SHEET

WEND NF Performance Waxes – Universal, Warm, Mid, Cold, X-Cold, 3-Pack

15% by Weight

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: MEADOWFOAM SEED OIL proprietary blend
Product Use: Personal Care Formulations
Company Name: Wax Research Inc.
Company Address: 1212 Distribution Way, Vista, CA USA
Date Issued: 02/17/2014
Emergency Telephone Number: Chemtrec Tel: (800) 262-8200

2. COMPOSITION/INGREDIENT INFORMATION

Ingredients:
Meadowfoam seed oil
(fatty acid triglycerides) 100%
Hazardous Components: None
CAS #: 153065-40-8
EINECS #: 310-127-6

3. HAZARDS IDENTIFICATION

Routes of Entry
Eye Contact: Mild irritation may occur
Skin Contact: No known hazard
Ingestion: No known hazard
Inhalation: No known hazard

4. FIRST AID MEASURES

Eyes:
Flush with plenty of water or eye wash solution for 15 minutes.
Get medical attention if irritation persists.

Skin:
Wash with soap and water- get medical attention if irritation persists.

Ingestion: N/A
Inhalation: N/A
Medical Conditions Generally Aggravated by Exposure:
None

5. FIRE FIGHTING MEASURES

Flash Point (Method Used): > 260°C (open cup)

Material Safety Data Sheet (cont.)

Flammable Limits

LEL: Not Established

UEL: Not Established

Extinguishing Media: Dry Chemical, Carbon Dioxide

Special Firefighting Procedures:

Limit the spread of oil. Use air supplied equipment for fighting interior fires.

Unusual Fire & Explosion Hazards: Not established

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

Methods for Cleaning Up:

Absorb onto an inert, absorbent substrate and sweep up. Wash area with soap and water.

7. HANDLING AND STORAGE

Handling

Safe Handling: Keep away from fire and open flames. Do not overheat.

Storage

Requirements for Storage Areas and Containers:

Store in a cool (17-22°C), dry location, in a sealed container.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Eye: Safety glasses should be worn.

Skin/Body: Gloves should be worn.

Respiratory: Not needed under normal conditions of use.

Ventilation: Proper ventilation is recommended.

Other: Evaluate need based on application. Slip proof shoes may be worn where spills may occur.

Work/Hygiene Practice:

Normal work and hygiene practices for handling nonhazardous liquid material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: Clear, pale yellow

Odor: Characteristic, bland, fatty oil

pH: N/A

Vapor Pressure (mm Hg.): N/A

Vapor Density (AIR = 1): N/A

Boiling Point: > 300°C

Cloud Point: ~5°C

Flash Point: < 260°C (Open Cup)

Melting Point: N/A

Viscosity, cp, 25°C: 85

Refractive Index, nD25: 1.470

Iodine Value (Wijs): 92

Acid Value, Max: 0.06

Saponification Value: 169

Material Safety Data Sheet (cont.)

Unsaponifiable Matter: 0.1%
Density, g/ml, 25°C: 0.91
Solubility in Water: Insoluble
Water Reactive: No

10. STABILITY AND REACTIVITY

Stability: Stable
Incompatibility (Materials to Avoid):
None known
Hazardous Decomposition or
Byproducts:
None known
Conditions to Avoid: None known
Hazardous Polymerization: Will Not Occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: LD50 (Oral; Rat): > 5.0 g/kg
Further Toxicological Information: Nonirritant, no adverse health effects known
Medical Conditions Generally
Aggravated by Exposure:
None
Irritancy:
Skin: Not expected to be an irritant
Eyes: Not expected to be an irritant
Carcinogenicity: None
Reproductive Toxicity: N/A
Teratogenicity: N/A
Mutagenicity: N/A
Name of toxicologically synergistic products:
N/A

12. ECOLOGICAL INFORMATION

Ecological Effects: No adverse eco-toxic effects known
Fish Toxicity: No Data
Bacterial Toxicity: No Data

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods:
Do not put into sewer lines. Dispose of according to local, state and federal regulations.

14. TRANSPORT INFORMATION

This material is not considered hazardous for transport.
DOT Classification: Not regulated - Not Dangerous Goods

Material Safety Data Sheet (cont.)

ADR/RID (International Road/Rail): Not regulated - Not Dangerous Goods

IATA (Air Cargo): Not regulated - Not Dangerous Goods

IMDG (Sea): Not regulated - Not Dangerous Goods

15. REGULATORY INFORMATION

No specific regulatory requirements

16. ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

This product is not considered hazardous.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user. This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.