

SAFETY DATA SHEET

WEND MF Performance Paste (Speed & IR)

<50% By Total Weight

SECTION 1: IDENTIFICATION

Product Name: Meadow Foam Plant Based Seed Wax

Manufacturer/Supplier: Wax Research Inc 1212 Distribution Way Vista, CA 92081

Telephone Number: 760-607-0850

SECTION 2: HAZARDS IDENTIFICATION

Classification: This product is not a hazardous substance or preparation according to EC directives 67/548/EEC and 1999/45/EC.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name / Description: Hydrogenated Seed Oil, Fatty acid triglyceride **CAS number:** 68334-28-1 **Classification:** This product is not a hazardous substance or preparation according to EC directives 67/548/EEC and 1999/45/EC.

SECTION 4: FIRST AID MEASURES

Skin contact: Wash with soap and water. If hot product, cool immediately under water and obtain medical attention. **Eye contact:** Rinse with water. Seek medical attention if there is irritation. **Ingestion:** Seek medical advice.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media: Foam, carbon dioxide, dry chemical **Unsuitable extinguishing media:** Water **Special exposure hazards:** Hazardous decomposition products can be produced during combustion. See section 10. **Special protective equipment for fire-fighters:** Treat as an oil fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment including gloves and eye protection. **Environmental precautions:** Prevent entry into drains, sewers, or bodies of

water. **Methods for cleaning up:** Sweep up material thoroughly. Wash area with aqueous detergent solution to remove residual product. If material is spilled while liquid, extra care should be taken during cleanup. **Special indications:** Contaminated surfaces represent a slip hazard.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Employ good industrial and hygiene practice. **Conditions for safe storage:** Store in a cool, dry area.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values: No components with exposure limit values **Personal protective equipment:**

- **Respiratory protection:** No special equipment required
- **Eye protection:** Safety glasses when material is hot or finely ground
- **Skin & hand protection:** Lightweight protective clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid, white to light yellow **Odor:** Typical fatty odor **Melting point:** 70-72° C
Flash point: > 200° C **Water solubility:** Insoluble **Partition coefficient (n-octanol/water):** No data available

SECTION 10: STABILITY AND REACTIVITY

Conditions to avoid: None known **Materials to avoid:** None known **Hazardous decomposition products:** None known

SECTION 11: TOXICOLOGICAL INFORMATION

Acute oral toxicity: No data available **Acute dermal toxicity:** No data available **Primary eye irritation:** No data available **Primary skin irritation:** No data available **Sensitization:** No data available

SECTION 12: ECOLOGICAL INFORMATION

Biodegradation: Expected to be readily biodegradable. **Ecotoxicity:** No adverse ecotoxic effects known

SECTION 13: DISPOSAL CONSIDERATIONS

Substance disposal: Dispose in accordance with all local, regional, and national regulations. **Contaminated packaging:** Dispose in accordance with all local, regional, and national regulations.

SECTION 14: TRANSPORT INFORMATION

Not subject to transport regulations

SECTION 15: REGULATORY INFORMATION

Chemical safety assessment: Not conducted **Classification under EC Directives 67/438/EEC & 1999/45/EC:** Not a hazardous substance or preparation.

Safety Data Sheet (SDS) Continued

<30% By Total Weight

Section 1: Identification

Product Name: Food Grade Paraffin Wax

Manufacturer/Supplier: Wax Research Inc 1212 Distribution Way Vista, CA 92081

Telephone Number: 760-607-0850

Section 2: Hazard(s) Identification

Physical State/Appearance: Solid **Hazardous Components:** None **Emergency Overview:** Non-toxic and non-hazardous.

Potential Acute Health Effects:

- **Eyes:** None.
- **Skin:** Dermatitis may occur with prolonged exposure.
- **Inhalation:** None.
- **Ingestion:** None.

NFPA Hazard ID:

- Health: 1
- Flammability: 1
- Reactivity: 0

Section 3: Composition/Information on Ingredients

Generic Name: Paraffin wax **Chemical Family:** Petroleum hydrocarbon **CAS Number:** 8002-74-2 **Molecular Formula:** N/A

Section 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: If 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.

Section 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:** Approved/certified respirator or equivalent
- **Specific Hazards:** Incomplete combustion produces fumes, flue gases, carbon monoxide
- **Additional Information:** Apply cold water to cool containers exposed to danger.

Section 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.

Section 7: Handling and Storage

Handling: Store solids in a cool, dry, well-ventilated area. Contact with any heat source may cause melting.

Storage: Liquid paraffin may also be stored in bulk storage tanks (170°–200°F).

Section 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 reactions.

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 areas 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

Section 9: Physical and Chemical Properties

Color: Off-white to white solid (molten wax is clear) **Odor:** None **Flash Point (Closed Cup):** ≥455°F **Congealing Point:** Not specified **Density at 25°C:** 0.90 g/ml **Average Molecular Mass:** Not determined **Solubility in Water (20°C):** Negligible **Physical State:** Solid at ambient temperature **Explosion Properties:** Hazard exists if in sub-micron form (dust)

Section 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 Decomposition Products: Flue gas, carbon monoxide, aldehydes in the case of incomplete combustion

Thermal Decomposition: Approx. 250°C

Section 11: Toxicological Information

NOEL (rat): 20 - 2000 mg/kg/day **Oral TDL 0 (rat):** > 2000 mg/kg/day

Section 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.

Section 13: Disposal Considerations

Waste Information: Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

Section 14: Transport Information

This product is not controlled under any of the following classifications: DOT (United States), TDG (Canada), IMDG, IATA.

Section 15: Regulatory Information

HCS Classification: Combustible **TSCA 8(b) Inventory:** Paraffin wax **Canadian DSL/NDSL:** Paraffin wax **SARA List:** Not found **California Prop 65:** None of the chemicals in this product are listed.

Safety Data Sheet (SDS) Continued

<20% By Total Weight

Section 1: Identification

Product Name: Citrus Solvent – Technical grade, Food grade, High Purity grades, Lemon-Lime grade, Orange Terpenes, Citrus Terpenes **Product Codes:** 301000-Technical Grade, 301000 – Citrus Terpenes, 302000-Orange Terpenes, 302000-Food Grade, 302001 – High Purity grade, 302002 – Ultra High Purity grade, 303000-Lemon-Lime Grade **CAS Number:** 94266-47-4 (Technical grade, Citrus Terpenes, Lemon-Lime grade), 8028-48-6 (Food grade, Orange Terpenes, High Purity grades) **EINECS Numbers:** 304-454-3 (Technical, Lemon-Lime, Citrus Terpenes), 232-433-8 (Food grade, Orange Terpenes, High Purity grades) **Synonyms:** Citrus Stripper Oil, Terpene Hydrocarbons **Manufacturer:** Wax Research Inc. **Emergency Phone Number:** 760-607-0850

Section 2: Hazard Identification

Hazardous Components:

- Citrus Solvent (solvent) is the major component (technical grade >93%, food grade 95%, high purity grades >98%, lemon-lime 70%)
- Contains other terpene hydrocarbons and oxygenated compounds (octanal, myrcene, alpha-pinene, linalool)
- Not a carcinogen, developmental toxicant, or mutagenic
- Not listed on California Proposition 65

HMIS Ratings:

- Health Hazard: 1 (Mild skin irritant)
- Flammability: 2 (Flashpoint above 110°F / 43°C)
- Reactivity: 0 (Stable)
- Protection: G (Safety glasses, gloves)

Section 3: Composition/Information on Ingredients

Ingredients:

- Citrus Solvent (major component)
- Other terpene hydrocarbons and oxygenated compounds

Section 4: First-Aid Measures

Eyes: Remove contact lenses, flush with water for at least 15 minutes, seek medical attention if irritation persists. **Skin:** Wash with soap and water, seek medical attention if irritation develops. **Ingestion:** Seek medical attention immediately, do not induce vomiting, rinse mouth with water, drink one glass of water. **Inhalation:** Evacuate to fresh air, seek medical attention if symptoms persist.

Section 5: Fire-Fighting Measures

Flash Point: >110°F (43°C) **Extinguishing Media:** Carbon dioxide, foam, or dry chemical **Special Fire Fighting Procedures:** SCBA recommended, smother to exclude air, do not use water. **Unusual Fire and Explosion Hazards:** Combustible liquid, guard against spontaneous combustion of oily rags.

Section 6: Accidental Release Measures

Spill/Leak Procedures:

- Use protective gloves
- Absorb large spills with dirt, sand, or suitable absorbents
- Do not hose spills down drains or waterways
- Move leaking containers to a well-ventilated area
- Use NIOSH approved respiratory protection in high vapor concentration areas

Section 7: Handling and Storage

Handling: Usual precautions for combustible liquids. **Storage:** Store in a warehouse with a fire prevention system, avoid contact with incompatible chemicals, store in tightly sealed containers, blanket partially filled containers with nitrogen.

Section 8: Exposure Controls/Personal Protection

Respiratory Protection: Not normally required, use NIOSH approved respirators if vapor concentration is high. **Ventilation:** Local exhaust should be adequate, mechanical ventilation recommended as necessary. **Eye Protection:** Safety goggles or glasses suggested. **Skin Protection:** Oil resistant gloves. **Other Protective Equipment:** Oil resistant apron, emergency eye wash, and shower stations.

Section 9: Physical and Chemical Properties

Appearance: Yellow to water-white oil (Technical Grade), Water-white oil (Food Grade & High Purity, Lemon-Lime Grade) **Odor:** Orange aroma (Technical Grade, Food Grade & High Purity), Lemon-lime aroma (Lemon-Lime Grade) **Specific Gravity (25°C):** 0.838 - 0.843 (Technical Grade, Food Grade & High Purity), 0.841 – 0.848 (Lemon-Lime Grade) **Refractive Index (20°C):** 1.4710 - 1.4740 (Technical Grade, Food Grade & High Purity), 1.470 – 1.4770 (Lemon-Lime Grade) **Optical Rotation (25°C):** +96° - +104° (Technical Grade, Food Grade & High Purity), +70° - +75° (Lemon-Lime Grade) **Flashpoint (CCCFP):** >110°F (43°C) **Boiling Point:** 349°F (176°C) **Evaporation Rate:** 0.2 (BuAc=1) **Water Solubility:** Insoluble **Vapor Pressure (20°C):** <2mmHg **Melting Point:** Approximately -140°F (-96°C), becomes a thick, white, gel-like substance below -108°F (-78°C)

Section 10: Stability and Reactivity

Stability: Stable **Conditions to Avoid:** Avoid temperatures over 110°F (43°C) **Incompatibility:** Strong oxidizing agents, acidic agents including acidic clays, peroxides, halogens, vinyl chloride, iodine pentafluoride **Hazardous Decomposition Materials:** CO, CO₂, smoke **Hazardous Polymerization:** None described

Section 11: Toxicological Information

Acute Toxicity:

- Oral: LD₅₀ >5 g/kg, rabbit
- Dermal: LD₅₀ >5 g/kg, rabbit
- Skin: Moderate irritancy in guinea pigs, low in rabbits
- Sensitization: Not a sensitizer, oxidized forms can be a skin sensitizer
- Inhalation: RD₅₀ >1000 ppm
- Chronic Toxicity: Not listed as a carcinogen

Section 12: Ecological Information

Ecotoxicological Information: Product may be toxic to aquatic organisms.

Section 13: Disposal Considerations

Waste Disposal Method: Incinerate or dispose in accordance with local, state, and federal regulations.

Section 14: Transport Information

TDG Status: Hazardous **DOT Label/Placard:** Exemption § 173.150(f) applies **IMO Status:** Hazardous **IATA Status:** Hazardous **Proper Shipping Name:** TERPENE HYDROCARBONS, N.O.S. **Hazard Class:** 3 **Identification No.:** UN2319 **Packing Group:** III

Section 15: Regulatory Information

Inventory Status:

United States (TSCA) Listed on the inventory.

Canada (DSL) Listed on the inventory.

European Union (EINECS) Listed on the inventory.

Australia (AICS) Listed on the inventory.

Japan (MITI) Listed on the inventory.

South Korea (KECL) Listed on the inventory.

Philippines (PICCS) Listed on the inventory.

Section 16: Transportation Information

- TDG Status: Hazardous DOT Label/Placard [exemption § 173.150(f) applies:
- IMO Status: Hazardous Highway/Rail: per requirements for Combustible Liquids
- IATA Status: Hazardous Air/Ship: per requirements for Flammable Liquids
- SHIPPING CLASSIFICATION:
- Proper Shipping Name: TERPENE HYDROCARBONS, N.O.S.
- Hazard Class: 3
- Identification No.: UN2319
- Packing Group: III
- The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.