

SAFETY DATA SHEET

WEND MF Cleaner Conditioner

>70% By Total Weight

SECTION 1: IDENTIFICATION

Product Name: Meadow Foam Plant Based Seed Oil

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

Telephone Number: 760-607-0850

2. COMPOSITION/INFORMATION ON INGREDIENTS

- **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)
- **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

- **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
- **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:** Non-irritant, 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

- **DOT Classification:** Not regulated - Not Dangerous Goods
- **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

Safety Data Sheet (SDS) Continued

<30% 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.