

Safety Data Sheet (SDS)

WEND Wax-Off

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:** 1 800 9000 WAX

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.