



Safety Data Sheet

Section 1: Identification

Product Name: Orange Bitter Essential Oil

Botanical Name: Citrus aurantium amara

Synonyms: Citrus bigarradia, Citrus vulgaris, Citrus aurantium var aurantium

INCI Name: Citrus aurantium amara (orange) peel oil

CAS #: 68916-04-1

Country of Origin: Italy Address: 6781 Columbus Road, Mississauga, ON., L5T 2G9, Canada Telephone No: 905-840-5459 FAX: 905-846-1784

Company: Soapgoods Inc

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Phone: (404) 924-9080

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Emergency Phone: Chemtrec: 1-800-424-9300

Recommended Use: Personal Care

Section 2: Composition/Information on Ingredients

Contents: Limonene, myrcene, camphene, pinene, ocimene, cymene
Composition: Chemical Name CAS # EINECS# Proportions [%w/w] d-Limonene: 5989-27-5 277-143-2 > 90 %

Section 3: Hazard(s) Identification

Slightly Hazardous Limonene: may be irritating to skin and eyes.

Medical Information: N/A

Section 4: First-Aid Measures

Eye Contact: Contact with eyes can produce burning sensation. Irrigate with water immediately, continue flushing eyes with water for 15 minutes. Seek medical attention if irritation persists.

Inhalation: Remove to fresh air. Give oxygen if breathing is labored and seek medical advice. Avoid casual breathing. Signs of over exposure are dizziness and nausea.

Ingestion: Rinse mouth; dilute with milk or water and consult a physician immediately. Do not induce vomiting. Never-give anything by mouth if victim is unconscious, is rapidly losing or is Convulsing.

Skin Contact: Skin contact can produce irritation, or itching of the skin. Remove contaminated clothing. Wash with soap and plenty of water. Seek medical attention if irritation persists.

Section 5: Fire-Fighting Measures

Flammable Limits: Flash Point 46 °C

Extinguishing media: Carbon Dioxide, dry chemical or foam. DO NOT USE direct water jet on burning material.

Special Procedures: Determine the need to evacuate or isolate the area according to your local emergency plan. Unusual Firefighting Hazards: None identified.

Protective Equipment: Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving essential oils or chemicals.

Combustion Product: Carbon Monoxide, Carbon Dioxide

Section 6: Accidental Release Measures

Personal Precautions: Use of self-contained breathing apparatus is recommended for any major chemical spill. Refer also to section 8.

Safety Precautions: Eliminate all ignition sources. Ventilate area. Determine the need to evacuate or isolate the area according to your local emergency plan.

Environmental Precautions: Keep away from drains, surface and ground water. Report spills to appropriate Authorities if required.

Methods For Cleaning Up: Contain and collect with inert absorbent material and place in suitable container for disposal. Comply with all federal, state, and local regulation. Wipe small spills with cloth. Clean with hot water and detergent.

Section 7: Handling and Storage

Handling: Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use.

Storage: Containers should be kept closed in order to minimize contamination. Store in a cool, dry, well ventilated place protected from light. Keep away from extreme heat and from freezing conditions and away from all sources of ignition. Make sure the material does not come into contact with substances listed as: "Materials to Avoid".

Section 8: Exposure Controls/Personal Protection

Eyes Protection: The use of safety glasses is recommended. If a material is to be handled in a manner where splashing may occur, the use of splash goggles or face shield is recommended.

Respiratory Protection: In well- ventilated areas, respiratory protection is not normally required. In confined, poorly ventilated areas the use of "NIOSH" approved respiratory protection normally required (use only if trained in proper use and with acceptable oxygen level).

Protective Gloves: Using chemical resistant gloves is recommended.

Protective Clothing: Using chemical resistant clothing is recommended.

Protective Equipment: An eyewash fountain and / or safety shower should be available in the work area. Acceptable industrial hygiene practices should be maintained.

Note: These Precautions are for room temperature handling. Use at elevated temperature or aerosol / spray applications may require additional Precautions.

Section 9: Physical and Chemical Properties

Appearance: Yellowish to orange liquid.

Odor: Characteristic bitter orange citrus odor.

Solubility: Soluble in alcohol and oils. Insoluble in water.

Specific Gravity: 0.850 - 0.860 @ 20°C

Optical Rotation: +85 - +95 @ 20°C
Refractive Index: 1.4730 - 1.4745 @ 20°C
Extraction Method: Cold-pressed of the ripe orange peel.

Section 10: Stability and Reactivity

Stability: Chemically stable. This material presents no significant reactivity hazard.
Conditions to Avoid: Avoid sparks, flame and excessive heat.
Materials to Avoid: Strong oxidizing agents.
Flammability: Combustible liquid.
Hazardous Polymerization: Will not occur. Hazardous Combustion or None known.
Decomposition Products:

Section 11: Toxicological Information

Toxicological Limits: Oral (rats), LD50 > 5 g/kg
Dermal (rabbits), LD50 > 5 g/kg May be irritating to eyes and skin due to its high limonene content.
Possibly permeable to skin.
Inhalation: Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.
Skin Contact: Repeated or prolonged contact can cause redness, irritation and scaling of skin (Dermatitis). Adverse skin effects should be prevented by normal care and personal hygiene.
Eye Contact: May irritate eyes.
Ingestion: Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting. Medical Conditions Aggravated by Exposure: May aggravate dermatitis, psoriasis and other skin conditions.
Chronic Toxicity: May cause allergic reactions on skin
Carcinogenicity Data: None of the components of this material are listed as a carcinogen.
Reproductive Toxicity: No adverse effects on reproduction are known. Acute Toxicity Values: No data is currently available.

Section 12: Ecological Information

Very toxic to aquatic organism may cause long-term adverse effects in the aquatic environment. Avoid any pollution of ground, surface or underground water.

Section 13: Disposal Considerations

Incineration or sanitary landfill in accordance with local, provincial and federal regulations. Check with disposal expert to insure compliance.

Section 14: Transport Information

Chemical Identification:
UN No. 1169: Extracts, Aromatics Liquids. Packaging Group: III Class: 3 EINECS: N/A FEMA: N/A FDA: N/A
US DOT Shipping (Land): Check appropriate authority
IATA Shipping (Air): Check appropriate authority **IMDG Shipping (Marine):** Check appropriate authority

Section 15: Regulatory Information

WHMIS (Canada): Class D2B/B3 - Combustible liquid with flash point between 37.8°C (100°F) and 46 °C (200°F).

HMIS (USA): Health Hazard - N/A Fire Hazard - N/A Reactivity - N/A

SARA 302/ SARA 313: None

California Proposition 65: This product does not contain chemical listed per the Safe Drinking Water and Enforcement Act of 1986.

Section 16: Other Information

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