Material Safety Data Sheet

Orange Essential Oil (5-Fold)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

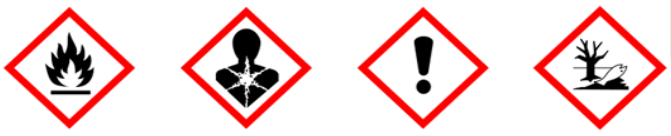
Product name: Orange Essential Oil (5-Fold)
Botanical name: Citrus sinensis
INCI name: Citrus Aurantium Dulcis Peel Oil
CAS #: 8008-57-9
Country of Origin: Italy
Supplier: Botanic Planet Canada Inc.
Address: 2 Bram Crt Unit # 3-4 Brampton, Ontario, Canada
Telephone number: 905-455-4444
Emergency phone number (613)-996-6666 CANUTEC 24 HOUR EMERGENCY

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

Hazard	Classification
Flammable Liquids	Category 3
Aspiration Toxicity	Category 1
Skin Corrosion / Irritation	Category 2
Skin Sensitization	Category 1
Aquatic Environmental Hazard	Chronic Category 2 (H411)

Signal Word: DANGER



Hazard Statements

- H226: Flammable liquid and vapour.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.

- H411: Toxic to aquatic life with long-lasting effects.

Precautionary Statements

- P210: Keep away from heat, sparks, open flames and hot surfaces. No smoking.
- P233: Keep container tightly closed.
- P240: Ground and bond container and receiving equipment.
- P241: Use explosion-proof electrical, ventilating and lighting equipment.
- P243: Take precautions against static discharge.
- P261: Avoid breathing vapours, mist or spray.
- P264: Wash thoroughly after handling.
- P273: Avoid release to the environment.
- P280: Wear protective gloves, protective clothing and eye protection.
- P301+P310: IF SWALLOWED: Immediately call a poison centre or doctor.
- P331: Do NOT induce vomiting.
- P370+P378: In case of fire, use suitable extinguishing media.
- P391: Collect spillage.
- P403: Store in a well-ventilated place.
- P501: Dispose of contents and container in accordance with applicable regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Component	CAS No.	EC No.	Concentration (%)
Limonene	5989-27-5	227-813-5	60–99%
Myrcene	123-35-3	204-622-5	0–5%
Citral	5392-40-5	226-394-6	0–3%
Alpha-Pinene	80-56-8	201-291-9	0–4%
Alpha-Terpineol	98-55-5	202-680-6	0–2%
Linalool	78-70-6	201-134-4	0–9%
Octanal	124-13-0	204-683-8	0–5%
Decanal	112-31-2	203-957-4	0–6%
Citronellal	106-23-0	203-376-6	0–1%

SECTION 4: FIRST-AID MEASURES

Eye Contact: Immediately rinse eyes cautiously with plenty of cool water for at least 15 minutes. Remove contact lenses if easily possible. Seek medical attention if irritation persists.

Skin Contact: Remove contaminated clothing. Wash affected areas thoroughly with soap and water. Obtain medical attention if irritation or allergic reaction develops.
Inhalation: Move the affected person to fresh air. Seek medical attention if symptoms occur.
Ingestion: Immediately contact a poison centre or medical professional. Do not induce vomiting because of aspiration risk.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Foam, dry chemical powder and carbon dioxide.
Unsuitable Extinguishing Media: Direct water jet.
Special Fire Hazards: Flammable liquid and vapour. Combustion may generate carbon oxides and irritating fumes.
Firefighter Protection: Wear suitable protective equipment and self-contained breathing apparatus. Water fog may be used to cool exposed containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:

- Eliminate ignition sources.
- Ensure adequate ventilation.
- Wear suitable protective clothing, gloves and eye protection.
- Avoid inhalation and direct skin contact.

Environmental Precautions:
Prevent entry into drains, sewers and natural waterways. Notify the appropriate authorities if a significant release enters public waters.
Cleanup Methods: Absorb spilled material using suitable inert absorbent material. Collect in sealed, properly labelled containers for disposal according to applicable regulations.

SECTION 7: HANDLING AND STORAGE

Handling:

- Avoid contact with eyes, skin and clothing.
- Do not smoke or use near open flames.
- Avoid static discharge.
- Wash hands after handling.
- Use appropriate ventilation.

Storage:

Store in tightly sealed containers in a cool, dry and well-ventilated area, preferably below 20°C, protected from direct sunlight, sparks, heat and flames.
Keep away from food, beverages and animal feed.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection: Tightly fitting chemical safety goggles.
Skin Protection: Chemical-resistant gloves and suitable protective clothing.
Respiratory Protection: Use suitable respiratory protection where ventilation is insufficient.
Engineering Controls: Provide adequate ventilation and appropriate controls for flammable vapours.
Hygiene Measures: Wash hands and exposed skin after handling. Avoid eating, drinking or smoking in handling areas.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow to orange liquid.
Odor: Characteristic orange citrus odor.
Flash point: 47°C
Relative density: 0.840 to 0.860 @ 15 °C
Solubility: Soluble in alcohol and oils. Insoluble in water.
Refractive index: 1.470 to 1.480 @ 20 °C
Optical rotation: +85° to +99° @ 15 °C

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No significant reactivity hazard identified under normal conditions.
Chemical Stability: Stable under recommended storage conditions.
Hazardous Reactions: Hazardous polymerization is not expected.
Conditions to Avoid: Heat, sparks, open flames and other ignition sources.
Incompatible Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity Data
LD/LC50 values relevant for classification:
p-mentha-1,8-diene:
LD 50 oral [rat] 4400mg/Kg

Inhalation: High concentrations of vapour may irritate the eyes, nose and throat and may cause headache, nausea or dizziness.
Skin Contact: Causes skin irritation and may cause allergic skin reactions.
Eye Contact: May cause irritation.
Ingestion: May be fatal if swallowed and enters airways.
Aspiration Hazard: Category 1.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to aquatic life with long-lasting effects.
Persistence and Degradability: Data not available in the source SDS.
Bioaccumulative Potential: Data not available.
Mobility in Soil: Data not available.
Environmental Precautions: Avoid release into soil, surface water, groundwater and sewage systems.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of the product and contaminated packaging in accordance with applicable municipal, provincial and federal regulations.
Do not discharge concentrated essential oil into drains, sewers or waterways.

SECTION 14: TRANSPORT INFORMATION

Description	Classification in Source SDS
UN Number	UN1197
Proper Shipping Name	EXTRACTS, LIQUID
Transport Hazard Class	3 – Flammable Liquid
Packing Group	III
US DOT	UN1197, Class 3, PG III
IMDG	UN1197, Class 3, PG III
IATA	UN1197, Class 3, PG III

Canadian TDG Note: The source SDS reports UN1197, Class 3, Packing Group III. Confirm the proper shipping name, flash point, environmental classification and any applicable exemptions before issuing Canadian transportation documents.

SECTION 15: REGULATORY INFORMATION

Canada: Hazard classification and labelling should comply with applicable WHMIS requirements and the Hazardous Products Regulations.
Transportation: Subject to applicable Canadian Transportation of Dangerous Goods requirements.
California Proposition 65: The source SDS states that this product may expose users to beta-myrcene, which is listed by California as a carcinogen.
Cosmetic Applications: Final products must comply with applicable cosmetic regulations and fragrance safety requirements.

SECTION 16: OTHER INFORMATION

Product name: Orange Essential Oil (5-Fold)
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CAS #: 8008-57-9
Country of Origin: Italy

This product is a 100% pure and natural. It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge and specifications. The analysis and statements herein constitute the most complete information available to Botanic Planet Canada Inc. Please refer to all relevant technical information specific to the product, prior to use. This information contained in this material safety Data sheet is obtained from current and reliable sources. As an ordinary or otherwise user(s) of this product is outside the control of Botanic Planet Canada Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use (s) (including damages or injury) or any obtained. Botanic Planet Canada Inc. expressly disclaims responsibility as to the ordinary or otherwise uses. Furthermore, Botanic Planet Canada Inc. makes no claims as to the fitness for any use, and you should consider nothing container herein as a recommendation. The Liability of botanic Planet Canada Inc. is limited to the value of the goods and does not include any consequential loss. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario Canada.

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