



NEW DIRECTIONS
A R O M A T I C S

MATERIAL SAFETY DATA SHEET

1. Product Identification:

Product Name: **Lavender Oil - French**
Botanical Name: *Lavandula dentata*
Synonyms: *Stoechas dentata, Lavandula delphinensis, Lavandula stoechas*
INCI Name: Lavandula dentata (lavender) flower oil
CAS #: 8000-28-0
Country of Origin: France

2. Classification:

Chemical Identification: Oil, Lavender
UN No. 2319: Terpene hydrocarbons, n.o.s.
24 HOUR EMERGENCY TELEPHONE NUMBER: (613)-996-6666 CANUTEC

3. Hazardous Ingredients Information:

N/A

4. Physical & Chemical Properties:

Appearance: Pale yellow liquid.
Odor: Characteristic odor.
Solubility: Soluble in alcohol and oils. Insoluble in water.
Specific Gravity: 0.880 – 0.900 @ 20°C
Optical Rotation: -18 – +8.0 @ 20°C
Refractive Index: 1.455 – 1.465 @ 20°C
Linalool: 25 – 38 %
Linalyl Acetate: 25 – 45 %
Extraction Method: Steam distillation of the flowering tops.
Contents: Limonene, cineole, cis-ocimene, trans-ocimene, linalool, camphor, lavandulol, terpinene-4-ol, terpineol, linalyl acetate, lavandulyl acetate
Flash Point: 69 °C (open cup)

5. Fire/Explosion Hazard:

Flash Point: 69 °C (open cup)
Combustible liquid. Will ignite if moderately heated.

6. Reactivity/Stability Data:

Reactivity: Stable.

Decomposition: When heated to decomposition produces toxic fumes and carbon monoxide smoke.

7. Toxicological Properties/Information:

Oral (rat), LD₅₀ >5.0 g/kg

Dermal (rabbit), LD₅₀ >5.0 g/kg

8. Preventive Data:

Spillage: Absorb spills, cover with an inert, non-combustible, inorganic absorbent material, and remove to an approved disposal container.

Fire: Recommended extinguishing media – CO₂, foam and dry chemicals. DO NOT use direct water jet on burning material.

Environment: Keep away from drains, surface and ground water.

Storage: Store in cool, dry and well ventilated area protected in tightly closed container away from sources of ignition, heat and sunlight. Keep air contact to minimum.

9. First Aid Measures:

Eye contact: Flush with water for at least 15 minutes. Call physician if irritation persists.

Inhalation: Remove to fresh air. Avoid casual breathing.

Ingestion: Rinse mouth and consult a physician immediately. Never-give anything by mouth if victim is unconscious, is rapidly-losing consciousness, or is convulsing.

Skin contact: Remove contaminated clothing. Wash with soap and plenty of water.

11. Individual Protection for Industrial and Bulk Use:

Use safety glasses.

Avoid breathing in product by ensuring good ventilation when handling.

Avoid skin contact by using chemical resistant gloves.

12. Preparation Information:

Quality Assurance

New Directions Aromatics Inc.

Brampton ON

L7A 1C5

Revision Date: December 21, 2009.

DISCLAIMER:

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Aromatics Inc. shall not be held responsible for any damages to property or for any adverse physical effects (including injury or bodily harm) caused by insufficient knowledge or the improper use of a product.

The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties.

As with any manufacturing process, New Directions Aromatics strongly recommends small lab scale testing for evaluation purposes prior to full commercial manufacturing.

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Please note, the International Federation of Aroma therapists do not recommend that Essential Oils be taken internally unless under the supervision of a Medical Doctor who is also qualified in clinical Aromatherapy. In addition, Essential Oils must be properly diluted before use in order to avoid any damages to property or adverse physical effects (including injury or bodily harm).

CERTIFICATE OF ANALYSIS

PRODUCT: LAVENDER ESSENTIAL OIL - FRENCH
PRODUCT NO: 11078

LOT NO: 11078-A71

| | Specifications: | Results: |
|--------------------------|--|-----------------|
| Appearance: | Pale yellow liquid. | Complies |
| Odor: | Characteristic odor. | Complies |
| Solubility: | Soluble in alcohol and oils. Insoluble in water. | Complies |
| Specific Gravity: | 0.880 – 0.900 @ 20°C | Complies |
| Optical Rotation: | -18 – +8.0 @ 20°C | Complies |
| Refractive Index: | 1.455 – 1.465 @ 20°C | Complies |
| Linalool: | 25 – 38 % | Complies |
| Linalyl Acetate: | 25 – 45 % | Complies |
| Manufacture Date: | June 22, 2010 | |
| Retest Date: | June 22, 2012 | |