



## **MATERIAL SAFETY DATA SHEET**

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### **1. Product Identification:**

Product Name: **Ylang Ylang VOP Oil - Organic**  
Botanical Name: *Cananga odorata*  
Synonyms: *Unona odorantissimum, Uvaria odorata*  
INCI Name: Cananga odorata macrophylla flower oil  
CAS #: 8006-81-3  
County of Origin: France

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### **2. Classification:**

Chemical Identification: Oil, ylang ylang  
EINECS No. 281-092-1      Packaging Group: III      Class: 3  
Xn: harmful    R38, R43, R52/53, R65  
**24 HOUR EMERGENCY TELEPHONE NUMBER: (613)-996-6666 CANUTEC**

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### **3. Hazardous Ingredients Information:**

CAS	Name	EINECS	Code	%
104-93-8	4-methylanisole	203-253-7	Xn 22-38	5-10
106-24-1	geraniol	203-377-1	Xi 38-41-43	1-5
118-58-1	benzyl salicylate	204-262-9	N Xi 43-51/53	1-5
120-51-4	benzyl benzoate	204-402-9	Xn 22	5-10
4602-84-0	farnesol	225-004-1	Xi 36/38	1-5
78-70-6	linalool	201-134-4	Xi 38	10-20
93-58-3	Methyl benzoate	202-259-7	Xn 22	1-5

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### **4. Physical & Chemical Properties:**

Appearance: Pale to golden yellow clear liquid.  
Odor: Characteristic sweet exotic floral odor.  
Solubility: Soluble in alcohol and oils. Insoluble in water.  
Specific Gravity: 0.912 – 0.961 @ 20°C  
Optical Rotation: -63.0 – -15.0 @ 20°C  
Refractive Index: 1.495 – 1.510 @ 20°C  
Linalool: 14.6 – 18.6 %  
Benzyl Acetate: 17.4 – 17.9 %  
Geranyl Acetate: 5.52 – 5.90 %  
Caryophyllene: 6.0 – 11.1 %  
Methyl Benzoate: 6.40 – 7.04 %  
Benzyl Benzoate: 4.49 – 5.30 %  
Extraction Method: Steam distillation of the flowers.

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Contents: Benzyl acetate, geranyl acetate, linalool, caryophyllene, prenyl acetate, methyl benzoate, benzyl benzoate, methyl paracresol, geraniol, benzyl salicylate, cinnamyl acetate, germacrene-D, farnesol, farnesyl acetate,  
Flash Point: 91 °C

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**5. Fire/Explosion Hazard:**

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Flash Point: 82 °C

Combustible liquid. Will ignite if overheated.

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**6. Reactivity/Stability Data:**

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**Reactivity:** Stable.

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

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**7. Toxicological Properties/Information:**

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Excessive use may lead to headaches and nausea. Some individuals may experience sensitivity.

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**8. Preventive Data:**

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

**Fire:** Recommended extinguishing media – CO<sub>2</sub>, 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.

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**9. First Aid Measures:**

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**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.

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**10. Other Information:**

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Xn: harmful

Risk Phase: R38, R43, R52/53, R65

Safety Phase: S24, S37, S62

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**11. Individual Protection for Industrial Use:**

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Use safety glasses.

Avoid breathing in product by ensuring good ventilation when handling.

Avoid skin contact by using chemical resistant gloves.

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**12. Preparation Information:**

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Quality Assurance

New Directions Aromatics Inc.

Brampton ON L7A 1C5

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Revision Date: October 1, 2009.

Disclaimer

The information contained in this Certificate of Analysis and Material Safety Data Sheet is obtained from current and reliable sources. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use(s) (including damage or injury), or the results obtained.

New Directions Aromatics Inc. expressly disclaims responsibility as to the ordinary or otherwise use(s). Furthermore, New Directions Aromatics as to the fitness for any use should consider nothing container herein as a recommendation. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss.

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**CERTIFICATE OF ANALYSIS**

**PRODUCT: YLANG YLANG VOP ESSENTIAL OIL –  
ORGANIC**

**PRODUCT No: 50027**

**LOT No: 50027-A01**

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	<b>Specifications:</b>	<b>Results:</b>
<b>Appearance:</b>	Pale to golden yellow clear liquid.	Complies
<b>Odor:</b>	Characteristic sweet exotic floral odor.	Complies
<b>Solubility:</b>	Soluble in alcohol and oils. Insoluble in water.	Complies
<b>Specific Gravity:</b>	0.912 – 0.961 @ 20°C	0.932
<b>Refractive Index:</b>	1.495 – 1.510 @ 20°C	1.497
<b>Expiration Date:</b>	Feb. 2012	