



## **MATERIAL SAFETY DATA SHEET**

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

Product Name: **Clove Floral Water**  
Botanical Name: *Eugenia caryophyllus*  
Synonyms: *Syzygium aromaticum*  
INCI Name: Eugenia caryophyllus flower water  
CAS #: N/A  
County of Origin: Canada

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### **2. Classification:**

**24 HOUR EMERGENCY TELEPHONE NUMBER: (613)-996-6666 CANUTEC**

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

Eugenol.

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

Appearance: Colorless clear liquid.  
Odor: Characteristic clove odor.  
Solubility: Insoluble in alcohol and oils. Soluble in water.  
Specific Gravity: 0.950 - 1.050 @ 20°C  
pH: 3.00 - 6.00 @ 20°C  
Essential Oil Content: >0.025 %

#### **Ingredients:**

<b>Component Entity</b>	<b>CAS Number</b>	<b>EINECS Number</b>	<b>Proportion (%w/w)</b>
Clove Floral Water	7732-18-5, 8000-34-8	231-791-2	>98%
Vegetable Glycerin	56-81-5	200-289-5	<2%
PEG-40 Hydrogenated Caster Oil	61788-85-0	Not Allocated	<2%
Potassium Sorbate	590-00-1	246-376-1	<0.3%
Citric Acid	77-92-9	Not Allocated	<0.3%
Dimethicone Defoamer	9006-65-9	Not Allocated	<0.001%

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### **5. Fire/Explosion Hazard:**

Flash Point: N/A  
Non-flammable liquid.

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### **6. Reactivity/Stability Data:**

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**Reactivity:** Stable at room temperature. Always avoid contact with strong oxidizing agents, alkali and acids. Does not react with water.

**Decomposition:** Essential oils are naturally high in volatile organic compounds (VOCs). When heated to decomposition, the smoke from burning essential oils may contain potential carcinogens, such as polycyclic aromatic hydrocarbons (PAHs).

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#### **7. Toxicological Properties/Information:**

May be irritation to eyes. Do NOT ingest.

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#### **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 – 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, well ventilated area protected in tightly closed container away from sources of ignition, heat and light or direct sunlight. Keep air contact to minimum.

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#### **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.

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#### **10. Individual Protection:**

Always use a safety goggles.

Handle in a well ventilated area, and avoid breathing in vapor directly by using a vapor respirator.

Always avoid skin contact with concentrated product by wearing a lab overall and chemical resistant or surgical gloves.

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#### **11. Preparation Information:**

Quality Assurance

New Directions Aromatics Inc.

21-B Regan Road,

Brampton, ON

L7A 1C5, Canada

Date Revised: February 19, 2010.

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#### **Disclaimer**

The information contained in this Certificate of Analysis and Material Safety Data Sheet are 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: CLOVE FLORAL WATER**

**PRODUCT NO: 17007**

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	<b>Specifications:</b>	<b>Results:</b>
<b>Appearance:</b>	Colorless clear liquid.	Complies
<b>Odor:</b>	Characteristic clove odor.	Complies
<b>Solubility:</b>	Insoluble in alcohol and oils. Soluble in water.	Complies
<b>Specific Gravity:</b>	0.950 - 1.050 @ 20°C	Complies
<b>pH:</b>	3.00 - 6.00 @ 20°C	Complies