

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Clove Leaf (Indonesia) Essential Oil (Rectified)
Botanical name	:	Syzygium aromaticum L.
Synonyms	:	Eugenia caryophyllata
INCI name	:	Eugenia Caryophyllata Leaf Oil
CAS #	:	8000-34-8
Country of Origin	:	Indonesia
Product use	:	Domestic and Industrial
Supplier	:	Voyageur Soap & Candle Co. LTD
Address	:	Unit 14 - 19257 Enterprise Way, Surrey BC V3S 6J8
Website	:	www.voyageursoapandcandle.com
Telephone numberEmergency phone number	:	1 (800) 758-7773 1(800) 424-9300 CHEMTREC

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

### GHS Classification

Acute Toxicity, Oral - Category 5

Aspiration Hazard - Category 1

Acute Toxicity, dermal - Category 5

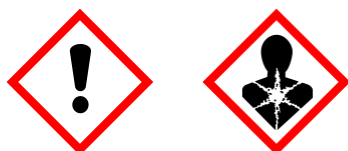
Skin corrosion/irritation - Category 3

Skin Sensitization - Category 1

Serious eye damage/eye irritation - Category 2A

Hazardous to aquatic environment - Acute - Category 2

### GHS Label elements, including precautionary statements



Signal: Danger

### Hazard statement(s)

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H401	Toxic to aquatic life.

#### **Precautionary statement(s)**

P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P312	Call a POISON CENTER/ doctor/if you feel unwell.
P321	Specific treatment (see ... on this label).
P331	Do NOT induce vomiting.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/container according to local regulations.

### **3. COMPOSITION / INFORMATION INGREDIENTS**

<b>Product Name</b>	<b>CAS NO</b>	<b>EC NO</b>	<b>Concentration</b>
Eugenia Caryophyllata Leaf Oil	8000-34-8	-	100 %

### **4. FIRST AID MEASURES**

#### **Eye contact**

Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

#### **Skin contact**

Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

#### **Inhalation**

If inhaled, removed to fresh air. Get medical attention if symptoms appear.

#### **Ingestion**

Seek medical attention or contact local poison control center.

### **5. FIRE FIGHTING MEASURES**

#### **Suitable extinguishing media**

Foam. Dry Powder. Carbon dioxide.

### **Unsuitable extinguishing media**

Water spray, water jet.

### **Special protective equipment and precautions for fire-fighters**

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

### **Special hazards arising from the substance or its combustible products**

Hazardous decomposition products may be formed at extreme heat or if burned.

### **Resulting gases**

Carbon oxides.

## **6. ACCIDENTAL RELEASE MEASURES**

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### **Personal precautions, protective equipment and emergency procedures.**

Equip clean crew with proper protection. Respiratory protection equipment may be necessary.

### **Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

### **Methods and materials for containment and cleaning up**

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

## **7. HANDLING AND STORAGE**

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### **Precautions for safe handling**

Measures should be taken to prevent materials from being splashed into the eyes or on the skin. Wear eye shields and protective clothing. Smoking should not be permitted in work areas. Provide suitable air extraction ventilation in the work areas. Vapors may form explosive mixtures with air. Keep material away from sources of ignition (e.g. hot surfaces, sparks, flame and static discharges).

### **Conditions for safe storage, including any incompatibilities**

To be stored in tightly sealed and preferably full containers in cool, dry and ventilated area. Protect from heat/overheating and light sources. Keep container tightly closed.

## **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

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### **Exposure controls**

Ensure there is sufficient ventilation of the area.

### **Eyes**

Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

### **Skin**

Compatible chemical-resistant gloves are recommended.

If skin contact or contamination of clothing is likely, protective clothing should be worn.

### **Respiratory**

Do not breath vapors. Mechanical exhaust required. In confined or poorly ventilated areas, the use of an appropriate respiratory protection may be required.

### **Ingestion**

Not for ingestion.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance : Colorless to pale yellow liquid.

Odor	:	Characteristic dry, spicy, sweet scent.
Flash point	:	> 93 °C
Relative density	:	1.025 to 1.050 @ 25°C
Solubility (ies)	:	Soluble in alcohol and oils. Insoluble in water.
Refractive index	:	1.525 to 1.535 @ 20°C
Optical rotation	:	-3.0° to 0.0° @ 25°C

## 10. STABILITY AND REACTIVITY

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### **Reactivity**

This material presents no significant reactivity hazard.

### **Chemical stability**

Chemically stable.

### **Possibility of hazardous reactions**

Hazardous polymerization will not occur.

### **Conditions to avoid**

Avoid sparks, flame and other heat sources.

### **Incompatible materials**

Strong oxidizing agents, strong acids.

### **Hazardous decomposition products**

Carbon Oxides.

## 11. TOXICOLOGICAL INFORMATION

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### **Acute toxicity**

Not available.

### **Chronic toxicity**

May cause allergic reactions on skin.

### **Skin contact**

Adverse skin effects should be prevented by normal care and personal hygiene.

### **Eye contact**

Possible irritation should be prevented by wearing safety glasses.

### **Ingestion**

Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting

## 12. ECOLOGICAL INFORMATION

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### **Ecotoxicity**

Avoid any pollution of ground, surface or underground water.

### **Persistence and degradability**

Generally biodegradable.

### **Bio - accumulative potential**

Unlikely to bio accumulate. Contaminated water must be cleared before entering sewerage.

### **Mobility in soil**

Very low water solubility and will form a surface film.

### **Other adverse effects**

Not available.

### 13. DISPOSAL CONSIDERATION

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Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

### 14. TRANSPORT INFORMATION

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#### US DOT Shipping Description (Land)

Not regulated.

#### IMO-IMDG Shipping Description (Sea)

Not regulated.

#### IATA Shipping Description (Air)

Not regulated.

#### Emergency action in case of accident

Notify police and fire department immediately

### 15. REGULATORY INFORMATION

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#### California Proposition 65

No components of this product is listed under California Proposition 65.

#### GHS Hazard Statements

Please refer to section 2.

#### GHS Precautionary Statements

Please refer to section 2.

### 16. OTHER INFORMATION

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#### Disclaimer & Caution

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End of Safety Data Sheet