

# GHS SAFETY DATA SHEET

CANUTEC 24-HOUR EMERGENCY NUMBER 1-888-226-8832

## Section 1 - Product and Company Identification

Product/Label Name : Clove Oil  
Hilltech Code Number : HB-102  
Chemical Name/Type :  
Synonyms :  
Product Classification : Essential Oil  
Chemical CAS Number : 8000-34-8  
Manufacturer / Distributor : HILLTECH CANADA INC.  
249 Main Street East, Vankleek Hill, Ontario, Canada K0B 1R0  
Tel:(613) 678-6693 Fax: (613) 678-6731

## Section 2 - Hazard Identification

### GHS classification



Acute oral toxicity – Category 5  
Serious Eye Damage/Irritation – Category 2A  
Acute aquatic toxicity – Category – 2  
Flammable liquid – Category – 4

Signal word: Warning

### Hazard Statements:

H303: May be harmful if swallowed  
H319: Causes serious eye irritation  
H401: Toxic to aquatic life  
H227: Combustible liquid

### Precautionary Statement

P403 + P235: Store in a well-ventilated place. Keep cool.  
P370 + P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction  
P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
P281: Wear protective gloves/ eye protection/ face protection

## Section 3 – Composition /Information on Ingredients

The identity of the individual components of this mixture to be proprietary information which is being withheld in accordance with the Trade Secret provisions of 20 CFR 1910, 1200. Certain of the ingredients included may be classified as health hazards, the effects of which would be presumed to be mitigated in the mixture.

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## Section 4 - First Aid Measures

- Eye Contact** : Remove contact lenses. Irrigate copiously with water for 2 minutes, wait one minute, then wash another two minutes. **No Patch.** If irritation persists, obtain medical advice. *May cause superficial keratitis and conjunctivitis.*
- Skin** : Remove contaminated clothing or shoes. Wash affected area with soap and water and/or alcohol. Flush with large quantities of clean water. If irritation persists, obtain medical advice. *Topical irritant only.*
- Inhalation** : If inhaled or aspirated into the throat, lungs or bronchial tubes: oxygen should be administered and transport to medical centre. *These patients should be treated as an acute upper airway burn by appropriate specialists.*
- Ingestion** : Wash with large bore tube and saline solution followed by installation of antacids and antihistamine such as Benadryl. Cimetidine also may be used to help prevent bleeding caused by secondary hyper acidity. **DO NOT INDUCE VOMITING.**

## Section 5 - Firefighting Measures

- Flashpoint : 93° C Flammable Limits:
- Extinguishing Median : CO<sub>2</sub>, Dry Chemical or Universal-type Foam.

### SPECIAL FIRE FIGHTING PROCEDURES:

Spray extinguishing media directly into base of the flames. Avoid sources of ignition and/or excessive heat. Cool with water if exposed to fire.

### UNUSUAL FIRE AND EXPLOSION HAZARDS:

CO<sub>2</sub>, CO, smoke may be formed during combustion.

Water is unsuitable for use on burning materials, but may be used to cool containers exposed to heat.

## Section 6 - Accidental Release Measures

### STEPS IF MATERIAL IS RELEASED OR SPILLED:

Eliminate all source of ignition. Ventilate the area. 1) Clean up as much product as physically possible. 2) Wash area with strong biodegradable soap. 3) Rinse to drain. Product will degrade in sewage system. Recover the spilled liquid with pump or absorb with dirt, sand or other suitable absorbents for disposal.

## Section 7 - Handling and Storage

Store in cool, well ventilated area away from open flames or other sources of ignition. When handling this material, good industrial hygiene practices should be followed to avoid inhalation and contact with skin and eyes.

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## Section 8 - Precautions to Control Exposure / Personal Protection

### VENTILATION REQUIREMENTS:

Ventilation meeting accepted standards is recommended. Use local exhaust fan if necessary.

### PERSONAL PROTECTION EQUIPMENT:

Protective clothing is advisable. The use of splash goggles or a face shield and goggles is recommended. The use of oil/solvent resistance gloves is recommended. Follow good industrial practices as to housekeeping personal hygiene and avoidance of prolonged or repeated contact with the skin or eyes. The material is intended for manufacturing use only.

Store in cool, well ventilated area away from open flames or other sources of ignition. When handling this material, good industrial hygiene practices should be followed to avoid inhalation and contact with skin and eyes.

## Section 9 - Physical and Chemical Properties

Physical State : Liquid Specific Gravity (25°/25°C): 1.036 - 1.046

Refractive Index (20°C) : Water Solubility: Oil Soluble

Melting Point : Boiling Point:

Description: Clear, colorless to pale yellow liquid with typical odor of clove.

## Section 10 - Stability and Reactivity

**Stability** : Presents no significant hazards concerning stability, not pyrophoric nor reactive with water. Does not undergo explosive decomposition, is stable to shock and is not an oxidizing agent.

**Incompatibility** : Avoid contact or contamination with oxidizers, bases and iron.

### Hazardous combustion or decomposition products:

Carbon monoxide, carbon dioxide and smoke on combustion

### Hazardous Polymerization:

Will not undergo hazardous exothermic polymerization.

## Section 11 - Toxicological Information

Acute Toxicity

LD50 (Oral, Rat) = 1930 mg/Kg

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## Section 12 – Ecological Information

Ecotoxicity: Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants

## Section 13 - Waste Disposal Considerations

### STEPS IF MATERIAL IS RELEASED OR SPILLED:

Eliminate all source of ignition. Ventilate the area. 1) Clean up as much product as physically possible. 2) Wash area with strong biodegradable soap. 3) Rinse to drain. Product will degrade in sewage system. Recover the spilled liquid with pump or absorb with dirt, sand or other suitable absorbents for disposal.

### WASTE DISPOSAL METHOD:

Natural food product - biologically degradable. Should be disposed of by a responsible contractor per Federal, State, or local ordinances in keeping with all Environmental Protection Agency regulations.

## Section 14 - Transport Information

Not applicable

## Section 15 - Regulatory Information

No other information

## Section 16 - Other Information

The information in this SDS was obtained from current and reputable sources. However, the data is provided without warranty, express or implied, regarding its correctness or accuracy. It is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense resulting from improper use of this product.