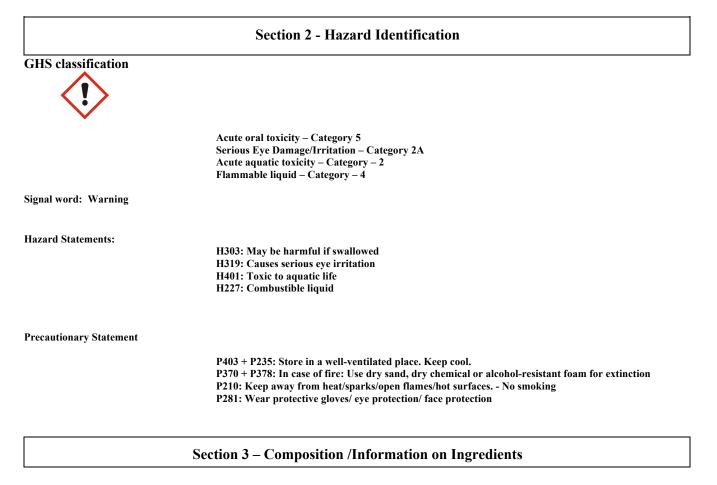
CANUTEC 24-HOUR EMERGENCY NUMBER 1-888-226-8832

Section 1 - Product and Company Identification				
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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			



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. <i>May cause superficial keratitis and conjunctivitis.</i>		
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. <i>Topical irritant only</i> .		
Inhalation	:	If inhaled or aspirated into the throat, lungs or bronchial tubes: oxygen should be administered and transport to medical centre. <i>These patients should be treated as an acute upper airway burn by appropriate specialists</i> .		
Ingestion	:			

Section 5 - Firefighting Measures					
Flashpoint	: 93° C	Flammable Limits:			
Extinguishing Median	: CO ₂ , Dry Cher	: CO ₂ , 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:

CO₂, 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 wastewater 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.

January 13, 2017