



Material Safety Data Sheet

SECTION 1.1 PRODUCT IDENTIFICATION

Product Name: Clove Essential Oil

CAS #: 8000-34-8

EINECS #: 284-638-7

SECTION 1.2 COMPANY INFORMATION

Company: Nature's Fusions

Address: 1405 W 820 N, Provo, UT, 84601

Telephone No: 801-872-9500

24 HOUR EMERGENCY TELEPHONE NUMBER: (800) 222-1222 POISON CONTROL

SECTION 2.1 HAZARDS CLASSIFICATION

GHS-US Classification: Flammable Liquid 4
Eye Damage/Irritation 2A
Sensitization - Skin 1

SECTION 2.2 HAZARDS IDENTIFICATION

Signal Word: Warning
Hazard Pictograms:



Hazard Statement: H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H227 Combustible liquid.

Precautionary Statement: P264 Wash face, hands and any exposed skin thoroughly after handling.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.



SECTION 2.3 OTHER HAZARDS IDENTIFICATION

Other Hazards: May be harmful if swallowed
Causes mild skin irritation
Toxic to aquatic life

SECTION 3. COMPOSITION

Product Name	CAS #	EC#	Concentration
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Clove Bud

100%

SECTION 4.1 NECESSARY FIRST AID MEASURES

- Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
- Inhalation: Move to fresh air.
- Ingestion: Clean mouth with water and afterwards drink plenty of water.
- Skin Contact: Wash skin with soap and water.

SECTION 4.2 SYMPTOMS

- Eye Contact: No additional information available.
- Inhalation: No additional information available.
- Ingestion: No additional information available.
- Skin Contact: No additional information available.

SECTION 4.3 OTHER FIRST AID MEASURES

Medical Attention/Special Treatment: Treat symptomatically.

SECTION 5.1 EXTINGUISHING

- Suitable Extinguishing media: Water spray. Carbon dioxide (CO₂), Dry chemical. Alcohol-resistant foam.
- Unsuitable Extinguishing media: Decomposition by contact with water may generate vapours which can be ignited by heat or open flame.

SECTION 5.2 SPECIAL HAZARDS

Special Hazards Arising from Chemical: Keep product and empty container away from heat and sources of ignition. Risk of ignition.

SECTION 5.3 FIRE FIGHTING MEASURES

- Firefighter Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
- Protection during firefighting: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6.1 ACCIDENTAL RELEASE MEASURES



Clove Essential Oil
Revision Date: 11/18/2019

- Personal Precautions:** Use personal protective equipment. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Remove all sources of ignition. Pay attention to flashback.
Take precautionary measures against static discharges.
- Protective equipment:** Refer to section 5.3
- Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
Beware of vapors accumulating to form explosive concentrations.
Vapors can accumulate in low areas.

SECTION 6.2 ACCIDENTAL RELEASE CLEANING MEASURES

- Methods and Material for Cleaning Up:** Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.
Dam up. Take precautionary measures against static discharges.

SECTION 7.1 PRECAUTIONS FOR HANDLING

- Precautions for handling:** Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. Do not breathe vapours or spray mist. Use product only in closed system. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and open flame. - No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).

SECTION 7.2 CONDITIONS FOR SAFE STORAGE

- Conditions for safe storage:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition.

SECTION 8.1 EXPOSURE AND ENGINEERING CONTROLS

- PEL, ACGIH, TLV exposure limit:** No additional information available.
Appropriate engineering controls: Showers. Eyewash stations. Ventilation system.

SECTION 8.2 PERSONAL PROTECTION/EQUIPMENT



- Eye/Face Protection: Tight sealing safety goggles.
- Hand Protection: Wear protective gloves.
- Skin and Body Protection: No special technical protective measures are necessary.
- Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
- Environmental Exposure Control: No additional information available.

SECTION 8.3 ADDITIONAL INFORMATION

Other: No additional information available.

SECTION 9.1 PHYSICAL PROPERTIES

- Appearance: Clear pale yellow to yellow liquid of medium consistency.
- Odor: Middle note of medium aroma, Clove Bud Essential Oil smells like the actual spice.
- Odor Threshold: No data available.
- Physical State: Liquid

SECTION 9.2 CHEMICAL PROPERTIES

- pH: No data available.
- Melting Point/Freezing Point: No data available.
- Boiling Point: > 35° C
- Flash Point: 93° C
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.
- Explosive limits: No data available.
- Vapor Pressure: No data available.
- Vapor Density: No data available.
- Specific Gravity: 1.025 - 1.065 @ 20° C (68° F)
- Solubility: No data available.
- Partition coefficient:
(n-octanol/water) No data available.
- Autoignition Temp: No data available.
- Decomposition Temp: No data available.
- Viscosity: No data available.

SECTION 10. STABILITY AND REACTIVITY



Reactivity: No dangerous reaction known under conditions of normal use. Keep away from oxidizing agents and strongly acid or alkaline materials.

Chemical Stability: Stable under normal conditions. Hazardous polymerisation does not occur.

Hazardous Reactions: None under normal processing.

Incompatible Materials: Strong oxidizing agents.

Hazardous Combustion or Decomposition Products: None known based on information supplied.

SECTION 11.1 ROUTES OF EXPOSURE

Inhalation: No additional information available.

Skin Contact: No additional information available.

Eye Contact: No additional information available.

Ingestion: No additional information available.

SECTION 11.2 RELATED SYMPTOMS

Inhalation: Refer to section 4.2

Skin Contact: Refer to section 4.2

Eye Contact: Refer to section 4.2

Ingestion: Refer to section 4.2

SECTION 11.3 OTHER TOXICOLOGICAL INFORMATION

Delayed/Chronic Effects: May cause allergic reactions on skin, may result in difficulty breathing.

Toxicity: Acute dermal toxicity: LD50 [Rabbit]- 5,000 mg/kg

Acute oral toxicity: LD50 [Rat]- 2,650 mg/kg

Carcinogenic: Not Carcinogenic.

SECTION 12.1 ECOLOGICAL INFORMATION

Eco-toxicity: None known.

Persistence and Degradability: No additional information available.

Bio-accumulative: No additional information available.

Mobility in Soil: No additional information available.

SECTION 12.2 OTHER ECOLOGICAL INFORMATION

Other Adverse Effects: No additional information available.

SECTION 13. DISPOSAL CONSIDERATION

Waste Disposal Method: Dispose of in accordance with local regulations.

Contaminated Packaging Disposal Method: Empty containers should be taken for local recycling, recovery or waste disposal.



SECTION 14. TRANSPORT INFORMATION

DOT Shipping (Land): Not regulated
IATA Shipping (Air): Not regulated
IMDG Shipping (Boat): Not regulated
Proper Shipping Name: Not regulated/Non Hazardous Substance
UN #: Not regulated
Hazard Class: Not regulated
Packaging Group: Not regulated

SECTION 15. REGULATORY INFORMATION

US Federal Regulations: Listed on the United States TSCA (Toxic Substances Control Act) inventory
International Regulations: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

SECTION 16. OTHER INFORMATION

Health Hazard (HMIS): 0 Minimal Hazard
Flammability Hazard (HMIS): 0 Minimal Hazard
Physical Hazard (HMIS): 0 Minimal Hazard
Sara 313: None
California Proposition 65: Product contains Eugenol.

Creation Date: 8/5/2017

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