

SAFETY DATA SHEET

Revision date: 11/04/2025

SECTION 1: PRODUCT / SUBSTANCE IDENTIFICATION

PRODUCT NAME	:	Clove Leaf Essential Oil
BOTANICAL NAME	:	Eugenia caryophyllus leaf Oil
COUNTRY OF ORIGIN	:	Indonesia
CAS NUMBER	:	8000-34-8
EC NUMBER	:	284-638-7
CONCENTRATION	:	100%
SUPPLIER	:	Handcraft Blends
ADDRESS	:	1900 Glades Rd. Fl 4 Suite 500-26, Boca Raton, Florida 3341-7378
TELEPHONE NUMBER	:	438-506-9497
EMERGENCY NUMBER	:	438-509-7276

SECTION 2: HAZARD IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE

CLASSIFICATION ACCORDING TO THE REGULATION (EC) NO 1272/2008

ASPIRATION HAZARD	:	Category 1
SKIN SENSITIZATION	:	Category 1

SERIOUS EYE DAMAGE/EYE IRRITATION : Category 2

CLASSIFICATION ACCORDING TO THE DIRECTIVE 67/548/EEC

Xn : Harmful

RISK PHRASES

R36 : Irritating to eyes

R43 : May cause sensitization by skin contact

R65 : Harmful; may cause lung damage if swallowed

2.2 LABEL ELEMENTS



SIGNAL WORD : Danger

2.3 HAZARD STATEMENTS

H304 : May be fatal if swallowed and enters airways

H317 : May cause an allergic skin reaction

H319 : Causes serious eye irritation

PRECAUTIONARY STATEMENTS

P280 : Wear protective gloves/eye protection/face protection

P301 + P310 : If swallowed, call a poison center or doctor/physician

P302 + P352 : If on skin, wash with plenty of soap and 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.
P302 + P352	:	Do not induce vomiting
P337 + P313	:	If eye irritation persists, get medical advice/attention

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCES

CONCENTRATION RANGE OF THE CONSTITUENT (% WEIGHT/WEIGHT)	EC NUMBER/REGISTRATION NUMBER	CAS	CHEMICAL NAME
100%	284-638-7	8000-34-8	EUGENIA CARYOPHYLLUS (CLOVE) LEAF OIL

SECTION 4: FIRST AID MEASURES

4.1 EYE CONTACT

Remove contact lenses if easily possible. Immediately flush your eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

SKIN CONTACT

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

INHALATION

If inhaled. Remove person to fresh air. Get medical attention if symptoms appear.

INGESTION

Seek medical attention or contact local poison control center.

4.2 MOST IMPORTANT SYMPTOM AND EFFECTS, BOTH ACUTE AND DELAYED

May produce an allergic reaction (rash, urticaria). May cause cancer or increase its incidence. Read label before use.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

N/A

SECTION 5: FIRE FIGHTING MEASURES

5.1 SUITABLE EXTINGUISHING MEDIA

Foam. Dry Powder. Carbon dioxide.

UNSUITABLE EXTINGUISHING MEDIA

Water spray, water jet.

5.2 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. Closed containers may build up pressure at elevated temperatures. Avoid inhalation of fumes or vapors. Use appropriate respiratory protection. Prevent run-off from fighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

Do not smoke and do not expose product to open flame or potential source of ignition. Wear appropriate gloves to prevent skin exposure and respiratory protection equipment may be necessary. (Waterproof boots, suitable protective clothing, safety glasses). Prevent any contact with hot surfaces. Do not approach facing the wind.

6.2 ENVIRONMENTAL PRECAUTIONS

Keep away from drains, surface, and groundwater soil.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Clean up any spills as soon as possible, using a non-combustible absorbent material (e.g. dry-lime, sand, soda ash) to collect it. Use suitable disposal containers. Ventilate the area and wash spill site after pickup. Dispose of it in accordance with current laws and regulations.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

No direct lighting. No smoking. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin and eyes. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Containers should be kept closed in order to minimize contamination. Store in a cool, dry, well ventilated place protected from light. Keep away from extreme heat and from freezing conditions and away from all sources of ignition.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

EYES

Use tightly sealed safety goggles.

SKIN

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

RESPIRATORY

In case of insufficient ventilation, wear suitable respiratory equipment.

INGESTION

Not for ingestion.

HYGIENE PRACTICES

Wash hands with soap and water after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	:	Yellow Liquid
ODOR	:	Spicy
BOILING POINT	:	251 ° C
FLASH POINT	:	>100 ° C
RELATIVE DENSITY	:	1.047 g/cm ³ at 20 ° C

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

It presents no significant reactivity hazards by itself or in contact with water. Avoid contact with strong acids, alkali, or oxidizing agents.

10.2 CHEMICAL STABILITY

Stable under normal operating conditions

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions

10.4 CONDITIONS TO AVOID

Heat, flames, and other sources of ignition. No special precautions other than good housekeeping of chemicals.

10.5 INCOMPATIBLE MATERIALS

Oxidizing mineral acids, strong reducing agents, strong oxidizing agents

10.6 DECOMPOSITION

Carbon monoxide and unidentified organic compounds may be formed during combustion.

SECTION 11: TOXILIGICAL INFORMATION

ACUTE TOXICITY

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

SKIN IRRITATION/CORROSION

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

SERIOUS EYE IRRITATION/DAMAGE

This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.

RESPIRATORY OR SKIN SENSITIZATION

This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.

GERM CELL MUTAGENICITY

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

CARCINOGENICITY

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

REPRODUCTIVE TOXICITY

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

STOT-SINGLE EXPOSURE

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

STOT-REPEATED EXPOSURE

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

ASPIRATION TOXICITY

This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 ACUTE AQUATIC TOXICITY: Not determined
- 12.2 PERSISTENCE AND DEGRADABILITY: N/A
- 12.3 BIOCONCENTRATION FACTOR: Not determined
- 12.4 MOBILITY IN SOIL: N/A
- 12.5 RESULTS OF PBT AND vPvB ASSESSMENT: Not determined
- 12.6 OTHER ADVERSE EFFECTS: Do not allow the material to enter streams, sewers, or other waterways

SECTION 13: DISPOSAL CONSIDERATION

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

SECTION 14: TRANSPORT INFORMATION

14.1 INTERNATIONAL CARRIAGE OF DANGEROUS GOOD BY ROAD (ADR)

UN NUMBER : N/A

PROPER SHIPPING NAME : Not subject to ADR

PACKING GROUP : N/A

CLASS : N/A

14.2 SEA TRANSPORT (IMDG)

UN NUMBER : N/A

PROPER SHIPPING NAME : Not restricted

PACKING GROUP : N/A

CLASS : N/A

MARINE POLLUTANT : No

14.3 AIR TRANSPORT (ICAO/IATA)

UN NUMBER : N/A

PROPER SHIPPING NAME : Not restricted

PACKING GROUP : N/A

CLASS : N/A

MARINE POLLUTANT : No

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH, AND INFORMATION REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Not available.

15.2 CHEMICAL SAFETY ASSESSMENT

Not available.

SECTION 16: DISCLAIMER AND CAUTION

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