

Safety Data Sheet

Clove Leaf Essential Oil (V000081)

January 27, 2020

Section 1: Chemical Product and Company Identification

Product name: Clove Leaf Essential Oil
Contact Info: Bramble Berry Inc.
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1-877-627-7883

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Section 2: Hazards Identification

2.1 Classification of the substance or mixture
Classification in accordance with Regulation (EC) No 1272/2008
Serious eye damage/eye irritation, Hazard Category 2; H319
Sensitisation — Skin, Hazard Category 1; H317
Aspiration hazard, Hazard Category 1; H304.

2.2 GHS Label elements, including precautionary statements
EC Number: 284-638-7
Clove, oil



Signal word: Danger

Concentration (%)	CAS	EC Number	Chemical name	Hazard Class and Category Code; Hazard statement codes
<75,00	97-53-0	202-589-1	4-Allyl-2-methoxyphenol	Eye Irrit. 2; H319- Skin Sens. 1B; H317

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: Immediately call a POISON CENTER/doctor.
 P305+P351+P338:IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P331: Do NOT induce vomiting.
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313: If eye irritation persists: Get medical advice/attention.

2.3 Other Hazards

Not available

Concentration range of the constituent (%weight/weight)	CE Number / Registration Number	CAS	Chemical Name
>=50% and <=100	284-638-7	8000-34-8	Clove, oil

Section 3: Composition/Information on Ingredients

3.1 Substances

Concentration range of the constituent (%weight/weight)	CE Number / Registration Number	CAS	Chemical Name
>=50% and <=100	284-638-7	8000-34-8	Clove, oil

Section 4: First Aid Measures

4.1 Description of first aid measures

Consumption:

If swallowed, rinse mouth with water. Seek medical advice immediately and show this container or label. Do NOT induce vomiting.

Eye contact:

First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

Inhalation:

Remove person to fresh air and keep at rest

Skin contact:

Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention.

4.2 Most important symptoms and effects, both acute and delayed

May produce an allergic reaction.

4.3 Indications of immediate medical attention and special treatment needed

Not available

Section 5: Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide, dry chemical powder or appropriate foam.



For safety reasons do not use full water jet.

5.2 Special hazards caused by the substance or mixture:

Not applicable

5.3 Advice for fire-fighters

In case of fire in the surrounding area, follow the recommendations below:

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

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate gloves to prevent skin exposure.

Avoid contact with skin and inhalation of its vapours or smoke.

Maintain adequate ventilation in the working area after spilling.

6.2 Environmental precautions

Avoid contaminating the environment via the sewers or water sources.

6.3 Methods and material for containment and cleaning up

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).

Ventilate area and wash spill site after material pickup is complete.

Dispose of in accordance with current laws and regulations.

6.4 Reference to other sections

See also sections 8 and 13.

Section 7: Handling and Storage

7.1 Precautions for safe handling

Keep away from food, drink and animal feedingstuffs. Do not smoke.

Avoid contact with skin and eyes.

Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Keep the product in its original container well sealed, in a dry and ventilated area, away from potential sources of ignition and protected from light. Store in accordance with local/national regulations and follow the warnings on the label.

7.3 Specific end use(s)

Not available

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Declaration of substances is not required.

8.2 Exposure controls

Personal protection equipment:

Appropriate personal protective equipment shall be worn in accordance with Regulation (EU) 2016/425

Engineering Controls-Ventilation:

The areas where the product is handled and stored should be adequately ventilated.



Respiratory Protection:

Use personal breathing apparatus whenever deemed necessary.

Skin Protection:

Avoid contact with skin. Compatible chemical-resistant gloves are recommended. Rinse and remove gloves immediately after use. Wash hands with soap and water thoroughly after handling.

Eye/Face Protection:

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

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: LIQUID

Colour: YELLOW - BROWN

Odour: SPICY, EUGENOL

Density: 1.032 g/cm³ (20 °C)

Boiling point: 251 °C

Refractive Index: 1.515 - 1.535 (20 °C)

Flash point: >100 °C

Additional information: Not applicable.

Section 10: Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage 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 Hazardous decomposition products:

Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

Acute toxicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008
Skin corrosion/irritation:	This substances does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008
Serious eye damage/irritation:	This substances does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008
Respiratory or skin sensitization:	This substances does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008

Section 11: Toxicological Information

11.1 Information on toxicological effects

Germ cell mutagenicity:	This substances does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008
Carcinogenicity:	This substances does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008
Reproductive toxicity:	This substances does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008
STOT-single exposure:	This substances does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008
STOT-repeated exposure:	This substances does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008
Aspiration toxicity:	This substances does not meet 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: Not available.
- 12.3 Bioconcentration Factor: Not determined
- 12.4 Mobility in soil: Not available.
- 12.5 Results of PBT and vPvB assessment: Not determined
- 12.6 Other adverse effects: Not available.

Section 13: Disposal Conditions

13.1 Waste treatment methods

Container disposal:

Containers must be disposed of as hazardous waste. Do not reuse empty containers. Dilute the remaining material and neutralise. Empty residue into a suitable disposal site.

Disposal conditions:

Dispose of in accordance with all state and local environmental regulations. This material and its container must be disposed of in a safe way.

Section 14: Transport Information

International Carriage of Dangerous Goods by Road (ADR)

UN No.: N/A

Proper Shipping Name: Not subject to ADR.

Packing Group: -

Class: -

Tunnel restriction code: -

Label: -

Sea Transport (IMDG)

UN No.: N/A

Proper Shipping Name: Not restricted.



Packing Group: -
Class: -
Marine Pollutant: No
Label:
Air Transport (ICAO/IATA)
UN No.: N/A
Proper Shipping Name: Not restricted.
Packing Group: -
Class: -
Label:

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Not available

15.2 Chemical safety assessment:

Not available.

Section 16: Other Information

Text of hazard statement codes in section 3 (impurities, stabilising additives, constituents):

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

This material should only be used for industrial purposes.

Key literature references and sources for data:

1. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
2. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
3. Occupational Exposure Limits by the INSHT (Spanish National Institute of Safety and Hygiene at Work).

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