

www.wfmed.com SAFETY DATA SHEET (SDS)

Creation date: 7/23/2012 Revision date: 12/19/2018

1. PRODUCT AND COMPANY IDENTIFICATION

Product name Clove Leaf Essential Oil (Rectified)

Product code EO-CLOVL

Botanical name Syzygium aromaticum L.

CAS # 8000-34-8

Origin: Indonesia

Product use Domestic and Industrial

Supplier WFMed

Address 8245 Backlick Rd Unit D, Lorton VA 22079 USA

Telephone number 888-WFMED-97 (888-936-3397)

Emergency phone number 888-WFMED-97 (888-936-3397)

2. HAZARD(S) IDENTIFICATION

GHS Hazard Classification

Acute Toxicity, Oral - Category 5

Aspiration Hazard - Category 1

Acute Toxicity, Dermal - Hazard Category 5

Skin Corrosion/Irritation - Category 3

Skin Sensitization - Category 1

Serious eye damage/eye irritation - 2A

Hazardous to the aquatic environment - Acute Category 2

GHS Label Elements

 \Diamond

Pictogram Signal Word

Warning

Hazard Statements

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H313 May be harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

H401 Toxic to aquatic life..

Precautionary Statements

P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing should not be allowed out of the

work place.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face

orotection.

P301+P310 İF SWALLOWED: Immediately call a POISON CENTER/doctor/

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses if present and continue rinsing.

P312 Call a POISON CENTER/ doctor/if you feel unwell.

P321 Specific treatment (see ... on this label).

P331 Do NOT induce vomiting.

P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of contents/container according to local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Product Name CAS NO Concentration

Clove Leaf Oil 8000-34-8 100%

4. FIRST-AID MEASURES

Description of first aid measures

Eye Contact

Flush eyes with water as a precaution.

Skin Contact

Wash with soap and plenty of water.

Inhalation

Remove from exposure and move to fresh air. If not breathing, give artificial respiration.

Ingestion

Clean mouth with water. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

No data available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards arising from the chemical

No data available.

Special protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Further information

No data available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, gas, or mist.

Environmental precautions

Keep away from drains, surface and groundwater. Report spills to appropriate authorities if required.

Methods and materials for containment and cleaning up

Methods for containment

Contain and collect spillage with non-combustible absorbent material (sand, earth, diatomaceous earth), and place in container for disposal according to local/national regulations.

Methods for cleaning up

Cover liquid spill with sand, earth or other non-combustible absorbent material. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practices.

Conditions for safe storage, including any incompatibilities

Storage conditions

Keep in a dry, cool and well-ventilated place. Keep out of reach of children. Avoid direct sunlight.

Incompatible materials

None known based on information supplied.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Exposure controls

Engineering controls

Provide showers, eyewash stations, and ventilation systems.

Personal protective equipment

Eye/Face protection: Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Skin/Body protection: Avoid contact with skin. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection: Respiratory protection not normally required.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practices. Avoid breathing (dust, vapor, mist, gas). Regular cleaning of equipment, work area, and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Liquid

Appearance Colorless to pale yellow Odor Characteristic clove odor

Flash point > 93°C)
Specific gravity (@ 20°C) 1.037-1.047
Refractive index (@ 20°C) 1.528 – 1.537

Soluble in alcohol and oils. Insoluble in water.

Extraction method Steam distillation of the leaves.

10 . STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possible hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

Avoid sparks, flame and other heat sources.

Incompatible materials

Strong oxidizing agents, strong acids.

Hazardous decomposition products

Carbon Oxides.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

No data available.

Skin corrosion/irritation

Adverse skin effects should be prevented by normal care and personal hygiene.

Serious eye damage/eye irritation

Possible irritation should be prevented by wearing safety glasses.

Respiratory or skin sensitisation

Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

Germ cell mutagenicity

No data available.

Carcinogenicity

None of the components of this material are listed as a carcinogen.

Reproductive toxicity

No data available.

Aspiration hazard

No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Avoid any pollution of ground, surface or underground water.

Persistence and degradability

Generally biodegradable.

Bioaccumulative potential

Unlikely to bio accumulate. Contaminated water must be cleared before entering sewerage.

Mobility in soil

Very low water solubility and will form a surface film.

Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product

Dispose of product in accordance with local regulations.

Contaminated packaging

Do not reuse containers.

14. TRANSPORT INFORMATION

US DOT (Land)

Not regulated.

IMDG/IMO (Sea)

Not regulated.

IATA/ICAO (Air)

Not regulated.

15. REGULATORY INFORMATION

California Proposition 65

This product does not contain any Proposition 65 chemicals

GHS Hazard Statements

Please refer to Section 2.

GHS Precautionary Statements

Please refer to Section 2.

16. OTHER INFORMATION

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