

1. IDENTIFICATION

1.1 Product Identifiers

Product Name: Clove Oil
Alternative names: Not available
Product Number: 8-6EA

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses: For laboratory and educational use only

1.3 Details of the supplier of the safety data sheet

Company: LAB-AIDS*, Inc. 17 Colt Ct., Ronkonkoma, NY 11779, USA
Telephone: +1 800 381 8003
Fax: +1 631 820 8268

1.4 Emergency telephone number: Emergency number: CHEMTREC 1 800 424-9300

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS classification

Skin Irrit. (Category 2), H315
Eye Irrit. (Category 2A), H319
Specific target organ toxicity-single exposure (Category 3, Respiratory system, H335)

2.2 Label elements, including precautionary statements

Signal word: Warning
Hazard statements: H315 - Causes skin irritation, H319 - Causes serious eye irritation.
Precautionary statements: P210 - Keep away from heat, hot surfaces, open flames, sparks, P280 - Wear protective gloves, eye protection



2.3 Hazards not otherwise classified: none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance: Not applicable

3.2 Mixture

Chemical Name	Product identifier	%	GHS-US classification
Clove oil	CAS# 800-34-8	100%	Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335

3.3 Chemicals where a trade secret is claimed: none

4. FIRST AID MEASURE

4.1 Description of the first aid measure:

INGESTION: Never give anything by mouth to unconscious person. Rinse mouth and get conscious person drink a glass of milk or water. Do NOT induce vomiting unless directed to do so by medical personnel. Get medical attention if necessary.

INHALATION: Remove to fresh air. Get medical attention if necessary.

EYE CONTACT: Wash immediately with plenty of water, and continue washing for at least 15 min., occasionally lifting upper and lower eyelids. Seek medical attention if irritation develops.

SKIN CONTACT: Flush thoroughly with mild soap and water. Remove contaminated clothing. Get medical attention if irritation develops.

4.2 Most important symptoms and effects, both acute and delayed: Refer to section 11.

4.3 Indication of any immediate medical attention and special treatment needed: No additional information available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media: Use TriClass, dry chemical extinguisher for surrounding fires.

5.2 Special hazard arising from the substance or mixture: Not available.

5.3 Advice for firefighters: Use self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions: Wear laboratory grade gloves, eye protection and a lab coat.

6.2 Emergency procedures: Restrict unprotected personnel from the area.

6.3 Methods and material used for containment and cleanup procedure: Contain the spill with an inert absorbent material and deposit in a sealed container. For small spills use paper towel. Ventilate and wash spill area with soap and water.

7. HANDLING AND STORAGE

7.1 Precaution for safe handling: Read label on container before using. Keep away from heat, sparks and flame.

Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Use only under adult supervision. Avoid breathing vapor. Use hood or with adequate ventilation. Wash hands thoroughly after handling.

7.2 Storage: Keep container tightly closed in cool, well-ventilated area

7.3 Incompatibility: Refer to section 10.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters: ACGIH: TWA: 10g/m³ (clove oil).

8.2 Exposure controls: Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron. Use ventilation to keep airborne concentrations below exposure limits.

Respiratory protection: None should be needed if normal laboratory handling at room temperature.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Appearance: Colorless to pale yellow

Odor: fragrant

pH: Not available

Vapor Pressure (mm Hg): Not available

Vapor Density: Not available

Evaporation Rate: Not available

Viscosity: N/A

Flash point: >93.3°C/200°F

Autoignition: N/A

Boiling point: Not available

Melting point: Not available

Freezing point: Not available

Decomposition temp: Not available

Solubility: Not available

Specific gravity (H₂O = 1): Not available

Percent volatile (%): 100%

Molecular formula: Mixture

Molecular weight: Mixture

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: Incompatible materials, Heat, sparks and open flames.

Incompatibilities: Strong oxidizers

Hazardous decomposition: When heated to decomposition, produces acrid smoke and fumes.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute effects: Eyes: Causes eye irritation. Skin: Causes skin irritation. Prolonged or repeated skin contact may cause allergic dermatitis. Inhalation: May cause irritation of the respiratory tract. Ingestion: May be harmful when swallowed.

Toxicological data

ORL-RAT LD₅₀: 2650 mg/kg (Rat)

IHL-RAT LD₅₀: Not available

SKN-RABIT LD₅₀: 5000 mg/kg (Rat)

Carcinogenicity:

California prop 65: Not classified

12. ECOLOGICAL INFORMATION

Not available.

13. DISPOSAL CONSIDERATION

Disposal of in accordance with all local, state, and federal regulations, or contact with a licensed chemical disposal agency.

14. TRANSPORT INFORMATION

UN number: N/A

Shipping name: N/A

Hazard Class: N/A

Packing group: N/A

Exceptions: N/A

15. REGULATORY INFORMATION

EINECS-listed (284-638-7). DCL (EEC) R36-Irritating to eyes. R65-May cause lung damage when swallowed.

16. OTHER INFORMATION

Disclaimer:

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