



RV INTERNATIONAL

Essential Oils Manufacturer & Bulk Supplier in India

GST NO. 06BGIPG9360E1ZF

Address: Opposite Sudhanshu Maharaj Ashram, Shiv Mandir, Nimbri, Panipat, Haryana 132104

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1.1 — PRODUCT IDENTIFICATION

PRODUCT NAME: CLOVE BUD ESSENTIAL OIL

BOTANICAL NAME: Syzygium aromaticum (syn. Eugenia caryophyllata)

MOLECULAR FORMULA: NOT APPLICABLE

MOLECULAR WEIGHT: NOT APPLICABLE

CAS No.: 8000-34-8

SECTION 1.2 — COMPANY IDENTIFICATION

Company Name: RV International

Address: Shiv Mandir, Ujha Rd, Opposite Sudhanshu Aashram, Nimbri, Panipat, Haryana 132104

Telephone: +91 9643115611

Email: info@rvorganica.com

Website: www.rvorganica.com

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS #	HAZARDOUS STATEMENT
CLOVE BUD ESSENTIAL OIL	8000-34-8	Not a hazardous substance

HAZARDOUS CLASSIFICATION: NOT A HAZARDOUS SUBSTANCE OR MIXTURE.

*PERSONAL CARE & COSMETIC PURPOSE.

SECTION 3: HAZARD IDENTIFICATION

The toxicological properties of this material have not been fully investigated.

Eye Contact: Strong irritant — can cause serious eye damage. Flush immediately with water.

Skin Contact: Strong skin irritant and sensitizer due to high eugenol content. Must be diluted before topical use. Avoid use on broken or damaged skin. May cause allergic dermatitis.

Inhalation: If inhalation causes irritation, supply fresh air. Use only in well-ventilated areas. Clove bud oil has a potent vapor.

Ingestion: Toxic in large amounts. Can cause serious internal irritation. Seek immediate medical attention. Do NOT induce vomiting.

SECTION 4: FIRST AID MEASURES

Eyes: Flush immediately with plenty of water or eyewash solution for at least 15 minutes. Get immediate medical attention.

Skin: Remove contaminated clothing immediately. Wash with soap and flush with plenty of water for at least 15 minutes. Seek medical attention if irritation or redness persists.

Ingestion: Do NOT induce vomiting. Administer water or milk to dilute. Seek medical attention immediately or call a poison control center.

Inhalation: Remove to fresh air immediately. Seek medical attention if symptoms persist.

SECTION 5: FIRE AND EXPLOSION DATA



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Flash Point (Method Used): >100°C Close Cup

Extinguishing Media: Dry Chemical, Carbon Dioxide, Foam

Unsuitable Media: Water (except to cool containers)

Special Firefighting Procedures: Fire fighters should wear positive pressure self-contained breathing apparatus. Toxic vapors may be released. Cool containers exposed to flame with water.

Unusual Fire & Explosion Hazards: Not established

Hazardous Decomposition Materials: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection: Avoid ingestion and direct skin contact. Follow good industrial hygiene practices. Wear eye protection, gloves and aprons. Ventilate area well.

Methods for Cleaning Up: Eliminate all sources of ignition. Ventilate area. Prevent liquid from entering sewers.

- Small spills: wipe up with paper rags (place in closed metal waste container)
- Large spills: absorb onto non-flammable absorbent. Wash area with soap and water.

SECTION 7: HANDLING AND STORAGE

Safe Handling: Avoid ingestion and direct skin contact. Always dilute before topical application — recommended dilution 0.5–1% in carrier oil. Do not use near eyes, inner ears or sensitive skin areas. Keep out of reach of children.

Storage Requirements: Store in an area that is cool, dry, and well-ventilated. Do not expose to temperatures over 25°C. Keep tightly sealed in dark glass containers away from light. Note: Clove bud oil may darken on exposure to air — this is normal.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Threshold Limit Value: Not established

Work Practice Controls: Personal hygiene is an important work practice exposure control measure.

- Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- Wash exposed skin promptly to remove accidental splashes or contact with this material.

Respiratory: Avoid prolonged breathing of vapors. Use only in well-ventilated areas.

Ventilation: Local, mechanical exhaust strongly recommended

Eye: Wear chemical splash goggles

Skin: Wear chemical resistant gloves (nitrile recommended) and protective clothing to avoid skin contact

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Clear mobile liquid oil

Color: Pale Yellow to Brown Yellow (darkens on exposure to air)

Odor: Characteristic rich, warm, sweet-spicy, strongly eugenolic clove bud fragrance

Vapor Pressure (mmHg.): Not available



Flash Point: >100°C (Closed Cup)



Boiling Point: 251°C

Melting Point: Not available

Density @20°C: 1.048



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Refractive Index @20°C: 1.531

Solubility in Water: 1 vol soluble in 2 vol of 70% ethanol. Insoluble in water.

SECTION 10: STABILITY AND REACTIVITY

Stability: This material is stable under normal conditions. May oxidize and darken on prolonged exposure to air — keep tightly sealed.

Incompatibility (Materials to Avoid): Avoid contact with strong oxidizing agents, strong bases and avoid hot sources of ignition. Clove oil can corrode certain metals and plastics.

Conditions to Avoid: Avoid contact with sparks, flame, heat, direct light and prolonged air exposure.

Hazardous Decomposition By-products: Smoke and unidentified organic compounds may be formed during combustion.

Hazardous Polymerization: Will Not Occur

SECTION 11: TOXICOLOGICAL INFORMATION

CAUTION: Strong irritant to eyes and skin. Must always be used diluted. High eugenol content (70–90%) requires careful handling.

Irritancy: Strong skin and eye irritant — must be diluted before use

Sensitization: May cause allergic skin reaction — eugenol is a known skin sensitizer. Contains methyl eugenol — possible human carcinogen at high concentrations.

Health Hazards (Acute & Chronic): Ingestion of large quantities: Toxic. Avoid use during pregnancy. Avoid in children under 2 years of age.

Harmful Contact: Strong Irritant

Eye Contact: Strong Irritant — can cause serious eye damage

Note: The above effects are based on evaluation of individual components. Clove bud oil has one of the highest ORAC values of any essential oil and must be used with care and proper dilution.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: Toxic to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATION

Waste Disposal Methods: Dispose of according to local, state and federal regulations.

SECTION 14: OTHER REGULATORY INFORMATION

CAS NO: 8000-34-8

Hazards: Skin Irritant / Skin Sensitizer / Eye Irritant

Risk Phrases: Causes skin irritation (H315). Causes serious eye irritation (H319). May cause an allergic skin reaction — contains eugenol (H317). Toxic to aquatic organisms and may cause long-term effects in the aquatic environment (H411).

Safety Phrases: Wear protective gloves and eye protection. Keep away from eyes and skin. In case of contact with eyes, rinse immediately with a steady stream of water for at least 15 minutes and seek immediate medical advice. Keep out of reach of children. Always dilute before use.



SECTION 15: REGULATORY INFORMATION

This product is not subject to specific regulatory requirements beyond standard chemical safety regulations. Refer to local, national, and international regulations for handling and disposal.

SECTION 16: ADDITIONAL INFORMATION



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