



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 HYDROSOL

BOTANICAL NAME: Syzygium aromaticum / Eugenia caryophyllata

MOLECULAR FORMULA: NOT APPLICABLE (AQUEOUS HYDROSOL)

MOLECULAR WEIGHT: NOT APPLICABLE

CAS No.: 8000-34-8

IFRA COMPLIANT: NOT APPLICABLE (Hydrosol / Floral Water)

SECTION 1.2 — COMPANY IDENTIFICATION

Company Name: RV International

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

Telephone: +91 8937003005

Email: info@rvorganica.com

Website: www.rvorganica.com

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS #	HAZARDOUS STATEMENT
CLOVE HYDROSOL	8000-34-8	Not a hazardous substance

HAZARDOUS CLASSIFICATION: NOT A HAZARDOUS SUBSTANCE OR MIXTURE.

*COSMETIC & PERSONAL CARE MATERIAL. Clove Hydrosol is the aromatic water co-product of steam distillation of Syzygium aromaticum flower buds. Contains water-soluble volatile compounds from clove. >= 98% water. Does NOT contain controlled substances.

SECTION 3: HAZARD IDENTIFICATION

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

Eye Contact: May cause mild irritation. Flush with water if contact occurs.

Skin Contact: Generally non-irritating. May cause mild reaction in hypersensitive individuals.

Inhalation: Generally non-hazardous. Fine mist inhalation may cause mild irritation in sensitive individuals.

Ingestion: Rinse out mouth and drink plenty of water. NOT FOR INTERNAL USE AS RAW MATERIAL.

SECTION 4: FIRST AID MEASURES

Eyes: Flush with plenty of clean water for 15 minutes. Seek medical attention if irritation persists.

Skin: Wash affected area with water. Generally self-limiting. Seek medical attention if irritation develops.

Ingestion: If consumed in large quantities as raw material, seek medical advice. Provide plenty of water.

Inhalation: Move to fresh air. Seek medical attention if breathing difficulty persists.



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SECTION 5: FIRE AND EXPLOSION DATA

Flash Point (Method Used): Non-flammable (Aqueous product — \geq 98% water)

Extinguishing Media: Water, Dry Chemical, Carbon Dioxide, Foam

Unsuitable Media: None

Special Firefighting Procedures: No special procedures required. Non-flammable aqueous product.

Unusual Fire & Explosion Hazards: None known

Hazardous Decomposition Materials: None under normal conditions

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection: No special protection required for small spills. Wear gloves and eye protection for large spills.

Methods for Cleaning Up: Wipe up with absorbent cloth or paper. Wash area with water. No special disposal requirements.

- Small spills: wipe up with paper rags or absorbent cloth.
- Large spills: absorb with absorbent material. Wash area with water.

SECTION 7: HANDLING AND STORAGE

Safe Handling: Avoid contamination — use clean utensils. Keep containers tightly sealed when not in use. Avoid exposure to sunlight and heat.

Storage Requirements: Store in a cool, dark area. Refrigerate after opening (4–15°C). Do not expose to temperatures over 30°C. Keep away from strong odours and chemicals.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Threshold Limit Value: Not established (aqueous hydrosol)

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

- Wash hands before eating, drinking or using tobacco after handling.
- Do not consume food or beverages in storage/processing areas.

Respiratory: Not normally required

Ventilation: Normal room ventilation is adequate

Eye: Safety glasses recommended when handling in bulk

Skin: Gloves recommended for prolonged handling

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid (Aqueous)

Color: Clear to Pale Yellow-Brown

Odor: Characteristic warm, spicy, clove scent

pH: 4.0 – 5.5

Specific Gravity @25°C: 1.000 – 1.005 g/ml

Refractive Index @25°C: 1.333 – 1.336

Flash Point: Non-flammable (Aqueous)

Boiling Point: 100°C (Aqueous)

Moisture Content: \geq 98% (Water)



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Solubility in Water: Miscible in all proportions

Solubility in Alcohol: Partially miscible

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions. Refrigerate after opening.

Incompatibility (Materials to Avoid): Avoid contact with strong acids, strong alkalis and oxidizing agents.

Conditions to Avoid: Excessive heat (>30°C), direct sunlight, and contamination with foreign matter.

Hazardous Decomposition By-products: None under normal conditions.

Hazardous Polymerization: Will Not Occur

SECTION 11: TOXICOLOGICAL INFORMATION

CAUTION: NOT FOR INTERNAL USE AS RAW MATERIAL. For external cosmetic use only.

Irritancy: Generally non-irritating at normal use levels. May cause mild irritation in hypersensitive individuals.

Sensitization: May cause sensitization in individuals with eugenol or clove sensitivity.

Health Hazards (Acute & Chronic): No significant health hazards at normal cosmetic use levels.

Harmful Contact: Generally non-hazardous

Eye Contact: Mild irritant

Note: Clove Hydrosol is used in oral care, dental formulations and skin care. Individuals sensitive to eugenol, clove, cinnamon or Peru Balsam should use with caution — patch test is essential. Not recommended for use on sensitive or broken skin undiluted. For external use only. Refrigerate after opening.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: Not toxic to aquatic life at normal concentrations. Biodegradable aqueous product.

SECTION 13: DISPOSAL CONSIDERATION

Waste Disposal Methods: Dispose of according to local, state and federal regulations. Small quantities may be disposed of with wastewater. Do not dispose of large quantities into waterways.

SECTION 14: OTHER REGULATORY INFORMATION

IFRA Status: Not applicable (Hydrosol / Floral Water)

Controlled Substance Status: This product does NOT contain any controlled substances.

Hazards: Not classified as hazardous

Risk Phrases: May cause mild irritation to eyes. May cause mild sensitization in hypersensitive individuals.

Safety Phrases: Avoid contact with eyes. Keep out of reach of children. Refrigerate after opening. Use within shelf life.

SECTION 16: ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

The information contained in this Material Safety Data Sheet is obtained from current and reliable sources. The information contained herein is true and to the best of RV International's knowledge. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulations.



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