



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: HOLY BASIL ESSENTIAL OIL (TULSI)

BOTANICAL NAME: Ocimum tenuiflorum L. (syn. Ocimum sanctum L.)

COMMON NAME: Tulsi Oil / Sacred Basil Oil / Holy Basil Oil

MOLECULAR FORMULA: NOT APPLICABLE

MOLECULAR WEIGHT: NOT APPLICABLE

CAS No.: 91845-35-1

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
HOLY BASIL ESSENTIAL OIL	91845-35-1	Not a hazardous substance
EUGENOL (major constituent)	97-53-0	Mild irritant / sensitizer

HAZARDOUS CLASSIFICATION: NOT A HAZARDOUS SUBSTANCE OR MIXTURE.

*PERSONAL CARE, COSMETIC & AROMATHERAPY / AYURVEDIC PURPOSE.

SECTION 3: HAZARD IDENTIFICATION

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

Eye Contact: Irritation will occur with possible damage. Flush immediately with water.

Skin Contact: May cause irritation and sensitization upon undiluted or prolonged exposure due to high eugenol content (up to 70–85%). Eugenol is a known skin sensitizer at high concentrations. Maximum dermal dilution: 1% (Tisserand/Young). Must always be used diluted.

Inhalation: If inhalation causes irritation, supply fresh air. Holy Basil has a strong, spicy-herbaceous clove-like odor — use in well-ventilated areas and at low concentrations.

Ingestion: Rinse out mouth and drink plenty of water. Seek medical attention immediately.

SECTION 4: FIRST AID MEASURES

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

Skin: Remove contaminated clothing. Wash with soap and flush with plenty of water. Seek medical attention if irritation or sensitization reaction persists.

Ingestion: Administer water or milk to dilute. Seek medical attention immediately or call a poison control center.



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Inhalation: Remove to fresh air. Seek medical attention if needed.

SECTION 5: FIRE AND EXPLOSION DATA

Flash Point (Method Used): >65°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. 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. Follow good industrial hygiene practices. Wear eye protection, gloves and aprons. Always dilute before topical application — maximum 1% dermal dilution recommended. Not recommended for use during pregnancy or on children under 2 years. Avoid use on hypersensitive, diseased or damaged skin.

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 and heat to preserve the high eugenol content and characteristic aroma profile.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Threshold Limit Value: Eugenol: Not established as TWA; use caution

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 concentrated vapors. Use in well-ventilated areas.

Ventilation: Local, mechanical exhaust recommended

Eye: Wear safety glasses

Skin: Wear chemical resistant gloves and clothing to avoid undiluted skin contact

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Clear mobile to slightly viscous liquid

Color: Pale Yellow to Light Brown

Odor: Characteristic sweet, spicy, warm, clove-like and herbaceous fragrance with camphoraceous, balsamic and green notes — the sacred fragrance of Tulsi

Vapor Pressure (mmHg.): Not available





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Flash Point: >65°C (Closed Cup)

Boiling Point: Not available

Melting Point: Not available

Density @20°C: 1.025

Refractive Index @20°C: 1.513

Solubility in Water: Insoluble in water; soluble in alcohol and fixed oils

SECTION 10: STABILITY AND REACTIVITY

Stability: This material is stable under normal conditions. High eugenol content may oxidize slowly on prolonged air exposure — keep tightly sealed.

Incompatibility (Materials to Avoid): Avoid contact with strong oxidizing agents and avoid hot sources of ignition on or near empty containers.

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

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

Hazardous Polymerization: Will Not Occur

SECTION 11: TOXICOLOGICAL INFORMATION

CAUTION: High eugenol content (up to 70–85%) — strong skin sensitizer when used undiluted. Maximum 1% dermal dilution. Not for use during pregnancy.

Irritancy: May cause moderate skin and eye irritation when used undiluted due to high eugenol content

Sensitization: Eugenol is a known skin sensitizer — may cause allergic contact dermatitis in sensitive individuals at high concentrations. Use at maximum 1% dermal dilution as per Tisserand/Young safety guidelines.

Health Hazards (Acute & Chronic): Ingestion of large quantities: Harmful. Avoid during pregnancy and on children under 2 years. Avoid on hypersensitive or damaged skin.

Harmful Contact: Irritant / Sensitizer (due to eugenol)

Eye Contact: Irritant

Note: Holy Basil oil has a specific gravity slightly above 1.0 due to its high eugenol content — making it one of the few essential oils denser than water. Handle accordingly.

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: 91845-35-1

EINECS NO: 294-426-3

Hazards: Irritant / Skin Sensitizer (eugenol)

Risk Phrases: Irritating to eyes and skin when used in excessive or undiluted amounts. May cause sensitization by skin contact due to eugenol content. Toxic to aquatic organisms and may cause long-term effects in the aquatic environment.

Safety Phrases: Avoid contact with eyes and undiluted skin contact. In case of contact with eyes, rinse immediately with a steady stream of water and seek medical advice. Dilute to maximum 1% before topical application. Keep out of reach of children. Avoid during pregnancy.





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SECTION 15: REGULATORY INFORMATION



This product is listed by FEMA as GRAS for food flavoring purposes. It is not subject to specific regulatory requirements beyond standard chemical safety regulations. Due to the high eugenol content, maximum dermal dilution of 1% is recommended as per Tisserand and Young essential oil safety guidelines. Refer to local, national, and international regulations for handling and disposal.



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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