



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: AJWAIN ESSENTIAL OIL

BOTANICAL NAME: Trachyspermum ammi (syn. Carum copticum / Ptychotis ajowan)

COMMON NAMES: Ajowan Oil / Carom Oil / Bishop's Weed Oil / Omam Oil / Thymol Oil

MOLECULAR FORMULA: NOT APPLICABLE

MOLECULAR WEIGHT: NOT APPLICABLE

CAS No.: 8006-82-8

FEMA No.: 2015

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
AJWAIN ESSENTIAL OIL (Trachyspermum ammi)	8006-82-8	Contains thymol — irritant; use with caution

HAZARDOUS CLASSIFICATION: NOT A HAZARDOUS SUBSTANCE UNDER NORMAL DILUTED COSMETIC USE — REQUIRES CAUTION DUE TO HIGH THYMOL CONTENT.

*PERSONAL CARE, COSMETIC & AROMATHERAPY PURPOSE. Ajwain essential oil is steam distilled from the seeds of Trachyspermum ammi — a small annual herb in the Apiaceae family, widely cultivated across India and the Indian subcontinent. Known variously as Ajwain, Ajowan, Carom, Omam, or Bishop's Weed, it is one of the most important culinary and medicinal spices in Indian tradition. The essential oil is dominated by thymol (35–55%) and p-cymene, giving it an intensely pungent, warm, thyme-like character. India is the world's largest producer of ajwain.

SECTION 3: HAZARD IDENTIFICATION

Ajwain essential oil requires moderate-to-significant caution due to its high thymol and phenolic content.

Eye Contact: Strong irritant — will cause significant irritation; avoid all direct contact



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Skin Contact: Strong irritant when undiluted — thymol and phenolic compounds cause skin irritation and potential sensitization; always dilute heavily before use

Inhalation: Concentrated vapors are pungent and irritating — use only in well-ventilated areas

Ingestion: TOXIC in significant quantities. NOT FOR INTERNAL USE as a cosmetic product.

SECTION 4: FIRST AID MEASURES

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

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

Ingestion: Rinse mouth and drink water to dilute. Seek medical attention immediately — thymol is hepatotoxic in large doses.

Inhalation: Remove to fresh air. Seek medical attention if respiratory symptoms develop.

SECTION 5: FIRE AND EXPLOSION DATA

Flash Point (Method Used): >48°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 phenolic vapors may be released. Cool containers exposed to flame with water.

Unusual Fire & Explosion Hazards: Low flash point — keep away from heat and open flame

Hazardous Decomposition Materials: Phenolic compounds and smoke on combustion

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection: Wear chemical resistant gloves, eye protection, and apron. Avoid skin contact and inhalation. Ventilate area thoroughly.

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 undiluted skin contact. ALWAYS dilute heavily before skin application. Wear gloves when handling. Avoid concentrated vapor inhalation. Keep away from heat and open flame — low flash point.

Storage Requirements: Store in a cool, dark, dry, well-ventilated area. Keep tightly sealed. Temperature below 25°C.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION



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Threshold Limit Value: Not established; Thymol — use with caution; phenolic compound

Work Practice Controls: Strict personal hygiene protocols. Gloves mandatory.

- Wear chemical resistant gloves when handling undiluted oil
- Use in well-ventilated areas — pungent vapors are irritating
- Wash hands thoroughly after handling

Respiratory: Avoid concentrated inhalation — irritating to mucous membranes

Ventilation: Local mechanical exhaust recommended when handling in bulk

Eye: Wear chemical goggles or safety glasses

Skin: Chemical resistant gloves mandatory when handling undiluted

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid, Oil

Color: Colorless to Pale Yellow

Odor: Characteristic pungent, thyme-like, spicy, warm ajwain scent

Vapor Pressure (mmHg.): Not available

Flash Point: >48°C (Closed Cup) — low flash point; keep away from ignition sources

Boiling Point: Not available

Melting Point: NA

Density @25°C: 0.908

Refractive Index @25°C: 1.500

Solubility in Water: Insoluble

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions

Incompatibility (Materials to Avoid): Avoid contact with strong oxidizing agents and hot sources of ignition.

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

Hazardous Decomposition By-products: Phenolic compounds and smoke on combustion.

Hazardous Polymerization: Will Not Occur

SECTION 11: TOXICOLOGICAL INFORMATION

CAUTION: High thymol content (35–55%) — strong irritant and potential sensitizer. Must be used at low dilutions. IFRA/IFRAFRAGRANCE usage limits for thymol apply.

Primary Component of Concern: Thymol (35–55%) — phenolic compound; strong irritant and sensitizer

p-Cymene: p-Cymene (25–40%) — precursor to thymol; mild irritant

Irritancy: STRONG irritant when undiluted — can cause skin burns and mucosal irritation



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Sensitization: May cause sensitization — individuals sensitive to thyme, oregano, or phenol-containing oils should use with caution

Apiaceae Family: Belongs to the Apiaceae family — individuals with celery, carrot, or coriander allergies should patch test

Hepatotoxicity: Thymol is hepatotoxic in large oral doses — strictly for external cosmetic use only

Contraindications: Pregnancy, breastfeeding, children under 5, individuals with thymol/thyme sensitivity, individuals with liver disease

Max Skin Use: Recommended maximum 0.5–1% dilution for leave-on skin products

Note: Ajwain is one of India's most important medicinal and culinary herbs. The essential oil is extremely potent — use only at very low dilutions. Its thyme-like pungency makes it very effective even in trace amounts. Patch test essential. Not for children, pregnancy, or liver disease.

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. Do not pour down drains.

SECTION 14: OTHER REGULATORY INFORMATION

CAS NO: 8006-82-8

FEMA No.: 2015

Primary Hazardous Constituent: Thymol (35–55%) — phenolic; strong irritant, sensitizer, hepatotoxic in large oral doses

Apiaceae Family Note: Patch test for celery, carrot, or coriander allergies

Contraindications: Pregnancy, breastfeeding, children under 5, thymol sensitivity, liver disease

Hazards: Strong irritant; sensitizer; low flash point; high thymol content

Safety Phrases: NEVER apply undiluted. Max 0.5–1% for skin use. Patch test essential. Wear gloves. Keep away from heat and flame. NOT during pregnancy. NOT for children under 5. Keep out of reach of children.

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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