



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: PENNYROYAL ESSENTIAL OIL

BOTANICAL NAME: Mentha pulegium

COMMON NAMES: European Pennyroyal Oil / Pennyroyal Mint Oil / Pudina Pahari Oil

MOLECULAR FORMULA: NOT APPLICABLE

MOLECULAR WEIGHT: NOT APPLICABLE

CAS No.: 8007-44-1

FEMA No.: 2838

■ **SAFETY WARNING:** Contains high levels of pulegone — TOXIC IN LARGE DOSES. For external / aromatic use only. Strictly NOT for internal consumption. STRICTLY CONTRAINDICATED IN PREGNANCY.

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
PENNYROYAL ESSENTIAL OIL	8007-44-1	Contains pulegone — toxic in large doses

HAZARDOUS CLASSIFICATION: NOT A HAZARDOUS SUBSTANCE UNDER NORMAL DILUTED COSMETIC USE — HOWEVER REQUIRES SPECIAL CAUTION DUE TO PULEGONE CONTENT.

*PERSONAL CARE & AROMATHERAPY PURPOSE — FOR EXTERNAL / AROMATIC USE ONLY.

Pennyroyal essential oil is steam distilled from the aerial parts of Mentha pulegium. The oil is extremely high in pulegone (60–90%), a ketone that is hepatotoxic and abortifacient in significant doses. Pennyroyal has a long documented history of toxicity from internal use. This product is supplied strictly for external aromatic use, highly diluted diffuser blends, and repellent applications ONLY.

SECTION 3: HAZARD IDENTIFICATION

■ **THIS OIL REQUIRES SPECIAL SAFETY PRECAUTIONS DUE TO HIGH PULEGONE CONTENT.**

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

Skin Contact: Irritant when used undiluted or at high concentrations; always dilute to max 0.5% for skin use

Inhalation: Concentrated vapors may cause dizziness, nausea, and headache — use only in well-ventilated areas

Ingestion: TOXIC — pulegone causes liver damage and can be fatal in quantities as low as a few mL. Seek IMMEDIATE medical attention if ingested.



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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. Wash with soap and flush with plenty of water. Seek medical attention if irritation or burns occur.

Ingestion: ■ MEDICAL EMERGENCY — DO NOT induce vomiting. Call emergency services immediately. Transport to hospital. Provide MSDS to medical personnel.

Inhalation: Remove to fresh air immediately. Seek medical attention if symptoms (dizziness, nausea, headache) develop or persist.

SECTION 5: FIRE AND EXPLOSION DATA

Flash Point (Method Used): >56°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: Carbon monoxide and carbon dioxide on combustion

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection: Wear chemical resistant gloves, eye protection, and apron. Avoid inhalation of vapors. Ventilate area well.

Methods for Cleaning Up: Eliminate all sources of ignition. Ventilate area thoroughly. 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. Ventilate thoroughly.

SECTION 7: HANDLING AND STORAGE

Safe Handling: For external and aromatic use ONLY. NEVER ingest. Always dilute heavily before any skin contact — max 0.5% for leave-on products. Avoid contact with eyes and mucous membranes. Wear gloves when handling. Use only in well-ventilated areas.

Storage Requirements: Store in a cool, dark, dry, well-ventilated area. Keep tightly sealed. Keep away from children and pets at ALL times. Temperature below 25°C.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Threshold Limit Value: Not established; use with extreme caution due to toxicity of pulegone

Work Practice Controls: Strict personal hygiene and handling protocols required.

- Keep container locked/secured away from children and pets at ALL times
- Use in well-ventilated spaces only — avoid concentrated vapor inhalation
- Wear gloves when handling — avoid skin contact with undiluted oil
- Wash hands thoroughly after any handling

Respiratory: Avoid concentrated vapor inhalation — may cause dizziness and nausea

Ventilation: Strong local mechanical exhaust recommended when handling

Eye: Wear chemical goggles or safety glasses



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Skin: Wear chemical resistant gloves — direct skin contact with undiluted oil can cause irritation

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid, Oil

Color: Colorless to Pale Yellow

Odor: Characteristic fresh, minty, herbaceous pennyroyal scent

Vapor Pressure (mmHg.): Not available

Flash Point: >56°C (Closed Cup)

Boiling Point: Not available

Melting Point: NA

Density @25°C: 0.928

Refractive Index @25°C: 1.484

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, and heat.

Hazardous Decomposition By-products: Carbon monoxide, carbon dioxide on combustion.

Hazardous Polymerization: Will Not Occur

SECTION 11: TOXICOLOGICAL INFORMATION

■ **HIGH TOXICITY RISK — CONTAINS PULEGONE (60–90%). MUST BE USED WITH EXTREME CAUTION. STRICTLY NOT FOR INTERNAL USE.**

Primary Toxic Component: Pulegone — hepatotoxic (liver damaging) and abortifacient at significant doses

Oral Toxicity: TOXIC — as little as 1–2 mL of undiluted oil has caused serious liver damage and fatalities in documented cases

Irritancy: Strong irritant when used undiluted

Sensitization: May cause sensitization in sensitive individuals

ABSOLUTE CONTRAINDICATIONS: PREGNANCY (strongly abortifacient), BREASTFEEDING, CHILDREN, individuals with liver disease or kidney disease

Skin Use Limit: Maximum 0.5% dilution for leave-on products; maximum 1.0% for rinse-off

■ **CRITICAL NOTE:** Pennyroyal oil has historically been misused as an abortifacient with fatal consequences. It is **STRICTLY CONTRAINDICATED** in pregnancy. Ingestion is potentially fatal. This oil should be handled only by informed adults and kept completely inaccessible to children, pregnant women, and individuals with liver or kidney 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 or into water sources.



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SECTION 14: OTHER REGULATORY INFORMATION

CAS NO: 8007-44-1

FEMA No.: 2838

Primary Hazardous Constituent: Pulegone (60–90%) — hepatotoxic, abortifacient

IFRA Status: Restricted — maximum usage levels apply

Absolute Contraindications: Pregnancy, breastfeeding, children, liver disease, kidney disease

Hazards: TOXIC (pulegone); Strong Irritant; Abortifacient

Risk Phrases: Toxic if ingested. Strongly abortifacient. Strong irritant. Causes liver damage in large doses. Toxic to aquatic organisms.

Safety Phrases: STRICTLY NOT for internal use. ABSOLUTELY CONTRAINDICATED IN PREGNANCY. Keep completely out of reach of children. Use only in well-ventilated areas. Always dilute heavily. Wear gloves. Keep away from individuals with liver or kidney disease.

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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