



# 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:** PEPPERMINT ESSENTIAL OIL

**BOTANICAL NAME:** Mentha piperita L.

**MOLECULAR FORMULA:** NOT APPLICABLE

**MOLECULAR WEIGHT:** NOT APPLICABLE

**CAS No.:** 8006-90-4

### 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
PEPPERMINT ESSENTIAL OIL	8006-90-4	Not a hazardous substance
MENTHOL (major constituent)	89-78-1	Mild irritant

**HAZARDOUS CLASSIFICATION:** NOT A HAZARDOUS SUBSTANCE OR MIXTURE.

\*PERSONAL CARE, COSMETIC & AROMATHERAPY PURPOSE.

### SECTION 3: HAZARD IDENTIFICATION

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

**Eye Contact:** Strong irritant — causes serious eye irritation. Flush immediately with copious water. Do NOT apply near or in eyes.

**Skin Contact:** May cause irritation and cooling/burning sensation upon undiluted use. May cause sensitization in sensitive individuals. Menthol causes a strong cooling effect on skin. Must always be diluted — max 5.4% for leave-on products (IFRA). Do NOT apply to the face or near nostrils of infants and young children.

**Inhalation:** Strong minty vapors — may cause irritation to respiratory mucous membranes at high concentrations. Do NOT inhale directly from the bottle. Do NOT apply near the nose/face of infants, young children, or persons with asthma.

**Ingestion:** Rinse out mouth and drink plenty of water. Seek medical attention immediately. Note: menthol is toxic when ingested in large quantities.

### SECTION 4: FIRST AID MEASURES

**Eyes:** IMMEDIATELY flush with copious water or eyewash solution for at least 15 minutes. Get immediate medical attention. Do NOT rub eyes.

**Skin:** Remove contaminated clothing. Wash thoroughly with soap and flush with plenty of water. The cooling sensation may mask irritation — seek medical attention if any reaction develops.



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

**Inhalation:** Remove to fresh air. Seek medical attention if respiratory distress develops.

## SECTION 5: FIRE AND EXPLOSION DATA

**Flash Point (Method Used):** >72°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 including menthol fumes 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 contact with eyes and mucous membranes. Follow good industrial hygiene practices. Wear chemical splash goggles, gloves and aprons. Ventilate area well.

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

- Small spills: absorb with inert material, place in sealed waste container
- Large spills: absorb onto non-flammable absorbent. Dispose per local regulations.

## SECTION 7: HANDLING AND STORAGE

**Safe Handling:** Avoid contact with eyes and mucous membranes. Always dilute before use — maximum 5.4% in leave-on skin products, 4.0% in rinse-off products (IFRA). Do NOT apply near face or nostrils of infants and children under 2 years — risk of respiratory distress. Do NOT apply to broken or damaged skin. Keep away from heat and ignition sources.

**Storage Requirements:** Store in a cool, dry, and well-ventilated area. Do not expose to temperatures over 25°C. Keep tightly sealed in dark glass containers. Peppermint oil is relatively stable compared to citrus oils — shelf life up to 2 years when properly stored.

## SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

**Threshold Limit Value:** Menthol: 10 ppm (TWA) — AIHA WEEL

**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 chemical splash goggles — critical for peppermint oil

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

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Clear mobile liquid oil (may partially solidify at low temperatures due to menthol content)

**Color:** Colorless to Pale Yellow

**Odor:** Characteristic fresh, intensely minty, cool, penetrating peppermint fragrance with a characteristic cooling sensation — predominantly menthol character





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**Vapor Pressure (mmHg.):** Not available

**Flash Point:** >72°C (Closed Cup)

**Boiling Point:** Not available

**Melting Point:** May partially solidify below 5°C

**Density @20°C:** 0.904

**Refractive Index @20°C:** 1.461

**Solubility in Water:** Slightly soluble in water; soluble in alcohol and fixed oils. 1 vol in 4 vol 70% alcohol.

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** This material is stable under normal conditions. More stable than citrus oils due to the menthol content. Store sealed to prevent evaporation of the highly volatile menthol fraction.

**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: Strong eye and mucous membrane irritant. Do NOT apply near face or nostrils of infants and young children. Do NOT use undiluted on skin.**

**Irritancy:** Strong eye irritant. Moderate skin irritant when used undiluted.

**Sensitization:** May cause allergic skin reaction in sensitive individuals — contains menthol and pulegone. IFRA maximum: 5.4% leave-on, 4.0% rinse-off.

**Special Warnings:** Do NOT apply to the face, near the nose, or chest of infants and children under 2 years — menthol can cause respiratory distress and bradycardia in young children. Avoid in epilepsy. Use with caution during pregnancy.

**Health Hazards (Acute & Chronic):** Ingestion of large quantities: Harmful. Menthol at high doses may cause liver and kidney damage. The cooling effect may mask pain and irritation.

**Harmful Contact:** Strong Eye Irritant / Moderate Skin Irritant

**Eye Contact:** Strong Irritant — keep away from eyes at all times

Note: Menthol content (minimum 40%) is the key quality marker. India is the world's largest producer of peppermint oil.

## 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:** 8006-90-4

**EINECS NO:** 282-015-4

**Hazards:** Eye Irritant / Skin Irritant / Skin Sensitizer

**Risk Phrases:** Causes serious eye irritation (H319). Causes skin irritation (H315). May cause an allergic skin reaction (H317). Do NOT apply near face/nostrils of infants and children. Toxic to aquatic organisms (H411).





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**Safety Phrases:** Avoid contact with eyes (P264). Wear eye/face protection (P280). Do NOT apply to the face or near the nose of infants or young children. Wash hands thoroughly after handling (P264). Keep out of reach of children (P102).

## SECTION 15: REGULATORY INFORMATION

This product is listed by FEMA (No. 2848) as GRAS (Generally Recognized As Safe). Compliant with EU Cosmetic Regulation (EC) No 1223/2009 and BP/EP pharmacopoeial standards. Maximum usage levels apply in cosmetic products as per current IFRA standards (5.4% leave-on; 4.0% rinse-off). Subject to pharmacopoeial quality standards specifying minimum 40% menthol content. 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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