



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: BIRCH ESSENTIAL OIL

BOTANICAL NAME: Betula lenta (Sweet Birch) / Betula alba (White Birch)

COMMON NAMES: Sweet Birch Oil / Black Birch Oil / Cherry Birch Oil

MOLECULAR FORMULA: NOT APPLICABLE

MOLECULAR WEIGHT: NOT APPLICABLE

CAS No.: 68917-50-0

FEMA No.: 2149

■ **SAFETY WARNING:** Contains very high levels of methyl salicylate (99%+) — TOXIC IN LARGE DOSES. Aspirin (salicylate) sensitivity contraindication applies. Strictly for external use only.

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
BIRCH ESSENTIAL OIL (Sweet Birch)	68917-50-0	Contains methyl salicylate — toxic in large doses

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

*PERSONAL CARE & AROMATHERAPY PURPOSE — FOR EXTERNAL USE ONLY. Sweet Birch essential oil is steam distilled from the bark of Betula lenta. It is composed almost entirely of methyl salicylate (99%+) — the same compound found in wintergreen oil and topical pain relief products. While it has excellent topical analgesic and anti-inflammatory properties when properly diluted, methyl salicylate is toxic if absorbed in large quantities through skin or if ingested.

SECTION 3: HAZARD IDENTIFICATION

■ **THIS OIL REQUIRES SPECIAL SAFETY PRECAUTIONS DUE TO HIGH METHYL SALICYLATE CONTENT (99%+).**

Eye Contact: Strong irritant — avoid all contact with eyes

Skin Contact: Significant dermal absorption of methyl salicylate occurs — use only at low dilutions; excessive topical application can lead to salicylate toxicity

Inhalation: Concentrated vapors may cause irritation — use only in well-ventilated areas

Ingestion: TOXIC — methyl salicylate is harmful if swallowed; even small amounts can be toxic to children. Seek IMMEDIATE medical attention if ingested.



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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 plenty of water. If large areas exposed, seek medical attention — significant dermal absorption can occur.

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

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

SECTION 5: FIRE AND EXPLOSION DATA

Flash Point (Method Used): >96°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 salicylate compounds may be released. Cool containers exposed to flame with water.

Unusual Fire & Explosion Hazards: Not established

Hazardous Decomposition Materials: Salicylic acid and other decomposition products on combustion

SECTION 6: ACCIDENTAL RELEASE MEASURES

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

SECTION 7: HANDLING AND STORAGE

Safe Handling: For external use ONLY. NEVER ingest. Always dilute heavily before any skin application — max 2.4% for topical use. Avoid large-area or prolonged skin application to prevent systemic salicylate absorption. Keep away from children and pets.

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: Methyl salicylate: 50 ppm TWA (ACGIH)

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

- Keep container locked/secured away from children and pets
- Avoid large-area skin application — significant dermal absorption
- Use in well-ventilated areas — avoid concentrated vapor inhalation
- Wear gloves when handling undiluted oil

Respiratory: Avoid concentrated vapor inhalation — use in well-ventilated spaces

Ventilation: Local exhaust ventilation recommended when handling in bulk

Eye: Wear chemical goggles or safety glasses

Skin: Wear chemical resistant gloves — significant dermal absorption possible



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid, Oil

Color: Colorless to Pale Yellow

Odor: Characteristic fresh, sweet, minty, wintergreen-like birch scent

Vapor Pressure (mmHg.): Not available

Flash Point: >96°C (Closed Cup)

Boiling Point: 220°C (methyl salicylate)

Melting Point: NA

Density @25°C: 1.186

Refractive Index @25°C: 1.538

Solubility in Water: Slightly soluble

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions

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

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

Hazardous Decomposition By-products: Salicylic acid and other organic compounds on combustion.

Hazardous Polymerization: Will Not Occur

SECTION 11: TOXICOLOGICAL INFORMATION

■ **HIGH TOXICITY RISK — CONTAINS METHYL SALICYLATE (99%+). MUST BE USED WITH EXTREME CAUTION.**

Primary Toxic Component: Methyl Salicylate — significant dermal absorption; toxic if large amounts absorbed

Oral Toxicity: TOXIC — LD50 (rat, oral): 887 mg/kg. Toxic to children in relatively small amounts.

Irritancy: Strong irritant to eyes and skin when undiluted

Sensitization: May cause sensitization in sensitive individuals

ABSOLUTE CONTRAINDICATIONS: ASPIRIN SENSITIVITY / SALICYLATE ALLERGY — individuals allergic to aspirin or salicylates must NOT use this oil. PREGNANCY AND BREASTFEEDING. CHILDREN under 12 years. Individuals on anticoagulant (blood thinning) medications.

Max Skin Usage: 2.4% for adults — never apply to large body areas at any concentration

■ **CRITICAL NOTE:** Methyl salicylate has extremely high dermal penetration. Even topical application of undiluted birch oil over moderate skin areas can lead to systemic salicylate toxicity. This oil should only be used by informed adults. Keep completely away from children.

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



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CAS NO: 68917-50-0

FEMA No.: 2149

Primary Hazardous Constituent: Methyl Salicylate (99%+) — aspirin-family compound; toxic dermally and orally in excess

Absolute Contraindications: Aspirin/salicylate allergy, pregnancy, breastfeeding, children under 12, anticoagulant medications

Max Skin Use Level: 2.4% (IFRA guideline for leave-on products)

Hazards: TOXIC (methyl salicylate); Strong Irritant; Significant dermal absorption

Safety Phrases: NEVER apply undiluted. Maximum 2.4% dilution for skin use. CONTRAINDICATED for aspirin-sensitive individuals, pregnancy, and children. Keep completely 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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