



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: BUCHU ESSENTIAL OIL

BOTANICAL NAME: Agathosma betulina (Round Leaf Buchu) / Agathosma crenulata (Oval Leaf Buchu)

COMMON NAMES: Buchu Leaf Oil / Boegoe Oil / Mountain Buchu Oil

MOLECULAR FORMULA: NOT APPLICABLE

MOLECULAR WEIGHT: NOT APPLICABLE

CAS No.: 68650-46-4

FEMA No.: 2169

ORIGIN: Endemic to the Fynbos biome of the Western Cape, South Africa

SECTION 1.2 — COMPANY IDENTIFICATION

Company Name: RV International

Address: Shiv Mandir, Ujha Rd, Opposite Sudhanshu Aashram, Nimbri, Panipat, Haryana 132104

Telephone: +91 8937003005

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SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS #	HAZARDOUS STATEMENT
BUCHU ESSENTIAL OIL (Agathosma betulina)	68650-46-4	Contains pulegone and diosphenol — use with caution

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

*PERSONAL CARE & COSMETIC PURPOSE. Buchu essential oil is steam distilled from the leaves of Agathosma betulina — a small shrub endemic to the Fynbos biome of South Africa's Western Cape. It is one of the most unique essential oils in the world, famous for its extraordinary blackcurrant-like, sulphurous-minty aroma due to its high diosphenol content and the presence of 8-mercapto-p-menthan-3-one (the same compound responsible for blackcurrant aroma). Pulegone content varies by chemotype — round leaf (A. betulina) is generally lower in pulegone than oval leaf (A. crenulata).

SECTION 3: HAZARD IDENTIFICATION

Buchu essential oil requires moderate caution due to its diosphenol and pulegone content.

Eye Contact: Irritant — avoid direct contact with eyes

Skin Contact: May cause moderate irritation when used undiluted; sulphurous compounds may cause skin sensitization — always dilute and patch test

Inhalation: Pungent odour — use only in well-ventilated areas; avoid concentrated inhalation

Ingestion: NOT FOR INTERNAL USE. Contains pulegone and diosphenol — potentially hepatotoxic in significant quantities. Seek 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 flush with plenty of water. Seek medical attention if irritation or sensitization develops.

Ingestion: Seek medical attention immediately. 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): >52°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 sulphurous vapors may be released on combustion. Cool containers exposed to flame with water.

Unusual Fire & Explosion Hazards: Sulphurous compounds may release on combustion

Hazardous Decomposition Materials: Sulphur-containing compounds on combustion

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection: Avoid ingestion and eye contact. Wear chemical resistant gloves and eye protection. Ventilate area well — pungent sulphurous odour.

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: Avoid ingestion. Always dilute heavily before any skin application. Wear gloves when handling. Use only in well-ventilated areas — pungent odour. Buchu is used only in very small quantities in perfumery as a modifier/top note.

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

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Threshold Limit Value: Not established

Work Practice Controls: Personal hygiene protocols required. Handle with care.

- Keep container tightly sealed — sulphurous aroma is pervasive
- Use in well-ventilated areas — avoid concentrated inhalation
- Wear gloves when handling undiluted oil
- Wash hands thoroughly after handling

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

Ventilation: Local mechanical exhaust recommended when handling in bulk

Eye: Wear chemical goggles or safety glasses

Skin: Wear chemical resistant gloves



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid, Oil

Color: Pale Yellow to Greenish

Odor: Characteristic pungent, sulphurous, blackcurrant-minty buchu scent

Vapor Pressure (mmHg.): Not available

Flash Point: >52°C (Closed Cup)

Boiling Point: Not available

Melting Point: NA

Density @25°C: 0.946

Refractive Index @25°C: 1.488

Solubility in Water: Insoluble

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions; keep tightly sealed

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 air exposure.

Hazardous Decomposition By-products: Sulphur-containing compounds may form during combustion.

Hazardous Polymerization: Will Not Occur

SECTION 11: TOXICOLOGICAL INFORMATION

CAUTION: Contains diosphenol and pulegone — hepatotoxic potential in significant quantities. Use with care. NOT FOR INTERNAL USE.

Primary Components of Concern: Diosphenol (major constituent), Pulegone (chemotype-dependent), 8-Mercapto-p-menthan-3-one (blackcurrant aroma compound)

Irritancy: Moderate irritant when undiluted — dilute well before use

Sensitization: May cause sensitization — sulphurous compounds are known sensitizers; patch test essential

Liver Toxicity: Pulegone content poses potential hepatotoxicity risk in large doses — avoid internal use entirely

Absolute Contraindications: Pregnancy, breastfeeding, children, individuals with kidney or liver disease

Max Skin Usage: Recommended max 0.6% dilution for leave-on skin products

Note: Buchu is used primarily in perfumery as a blackcurrant/cassis note modifier — effective at extremely low concentrations (0.1–0.5%). Always use sparingly and in high dilution. Patch test before topical use. Not recommended during pregnancy or for individuals with liver/kidney disease.

SECTION 12: ECOLOGICAL INFORMATION

Note: Agathosma betulina is a protected Fynbos species in South Africa. This product is sourced from sustainable/certified suppliers. Toxic to aquatic life — dispose of responsibly.

SECTION 13: DISPOSAL CONSIDERATION

Waste Disposal Methods: Dispose of according to local, state and federal regulations. Do not pour down drains.



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SECTION 14: OTHER REGULATORY INFORMATION

CAS NO: 68650-46-4

FEMA No.: 2169

Origin: Fynbos biome, Western Cape, South Africa — sustainably sourced

Primary Hazardous Constituents: Diosphenol (25–40%), Pulegone (variable by chemotype), 8-Mercapto-p-menthan-3-one

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

Max Skin Use Level: 0.6% for leave-on cosmetic products

Hazards: Moderate irritant; sensitizer; contains pulegone — hepatotoxic potential

Safety Phrases: Use only in high dilution. Always patch test. Keep tightly sealed. NOT for internal use. NOT during pregnancy. Keep away from children. Consult doctor before use by individuals with liver/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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