

VERNONS' EUCALYPTUS OIL

MATERIAL SAFETY DATA SHEET

Hazardous According to Criteria of Worksafe Australia

IDENTIFICATION.

Product Name: Vernon's Eucalyptus Oil.
Cas. No: 8000-48-4

U.N. Number: 1993
Dangerous Goods Class: 3.2
Subsidiary Risk: N/A
HAZCHEM Code: 3[Y]
Packaging Group: III
Poisons Schedule: S6

Uses: Therapeutic Active and Fragrance & Flavour Raw Material

Physical Properties:

Appearance: Colourless or pale yellow, liquid. Odour: aromatic and camphoraceous. Taste: pungent and camphoraceous followed by a sensation of cold.

Specific Gravity..20 deg C: 0.906 to 0.926
Volatiles %.....: 100
Water Solubility.....: insoluble
Flash Point.....: 49 deg C
Refractive Index, 20 deg C: 1.458-1.470
Freezing Point, deg C. -9 deg C
Boiling range, 1 atm, deg C: 174-176

Chromatographic Profile:

A pinene	0.46%
B pinene	0.13%
Sabinene	0.0%
A phellandrene	0.0%
Limonene	0.34%
Cineole	92.8%
Camphor	0.0%
BP Quality.	

HEALTH HAZARD INFORMATION.

Health Effects.

Acute Effects

Swallowed: Toxic if swallowed. Fatalities have occurred, acute oral toxicity in rats
LD50: 2480mg/kg.

Symptoms: Symptoms can be epi-gastric burning (of gullet to stomach), drowsiness, skin rash, nausea, vomiting and diarrhea. Symptoms can occur as vertigo, ataxia, muscular weakness, stupor, pallor and cyanosis.

More serious poisoning will result in respiratory stridor, miosis, delirium and convulsions. Symptoms may be delayed up to two hours after inhalation or digestion.

Eye: Liquid contact with the eyes is highly irritating.

Skin: Repeated or prolonged contact with the skin may be irritating and cause allergic reaction in sensitive individuals.

Inhalation: Inhalation of vapours (when heated) or mists can be irritating.

First Aid: For advice contact a poisons information centre (Australia 131126 or NZ 0800 764 766) or a doctor at once. Urgent hospital treatment is likely to be needed.

Ingestion: If swallowed **Do not** induce vomiting.
Position to avoid aspiration should vomiting occur.

Eye: Flush with running water for 15 minutes, including under eyelids.

Skin: Remove contaminated clothing, wash contact area with soap and water. If irritation persists seek medical advice.

Inhalation: Remove patient into fresh uncontaminated air, lay patient on back until breathing returns to normal.

Demulcents (soothing) drinks may be given such as beaten egg white or milk to relieve epi-gastric burning. Get medical help.

Advice to

Doctor: Treat symptomatically.

PRECAUTIONS FOR USE.

Exposure Standards.

Eucalyptus Oil: Not established, although avoid repeated or prolonged contact with the skin. Keep out of eyes. Do not ingest. Use with good ventilation.
Sensitive individuals may develop an allergic response.

Engineering Controls: Properly designed and maintained ventilation systems, including local exhaust and general ventilation (especially if heated or misted), to keep workplace exposure at as low as feasible. For emergency and non-routine use, have available a full , self-contained face-piece or air-supplied respirator.

Personal Protection: Use impervious gloves to avoid repeated or prolonged skin contact; depending on conditions in the workplace, additional body protection should be considered. Use safety goggles and/or face shield where splashing is possible. Provide an eyewash and washing facilities near where the material is handled and used. Where large amounts are used, a safety shower should be considered.

Flammability: Eucalyptus oil is a moderate fire hazard when exposed to heat and flame.

SAFE HANDLING INFORMATION.

- Storage and Transport:** Store in air tight containers in a cool, low fire risk area suitable for Class 3 flammable Liquids. Transport under UN1993 Class 3 Packaging Group III requirements.
- Spills and Disposal:** Shut off all possible sources of ignition. Clean-up personnel need protection against inhalation and contact. Provide ventilation. Contain spilled material. If possible, pick up for disposal. Absorb spills and residues with a non-clay absorbent (dry sand, vermiculite, ect.) and place in a covered metal container for prompt disposal. Clean up final traces by scrubbing spill area with detergent and water, and then flushing.
- Disposal:** Burn contaminated waste and scrap in an approved container. Follow federal, State and Local Regulations.
- Fire Explosion Hazard:** Evacuate immediate area. FIRE EXTINGUISHING AGENTS: foam, dry chemical, carbon dioxide. FIRE FIGHTING PROCEDURES: keep containers cool with water; fire fighters to wear breathing apparatus if risk of exposure. A water spray can be used to cool fire-exposed containers to help prevent pressure rupture. Eucalyptus oil is a moderate fire hazard when exposed to heat and flame.

OTHER INFORMATION.

Toxicity
Eucalyptus Oil: Acute oral toxicity in rats, LD50: 2480mg/kg

CONTACT POINTS.

Distilled and bottled by Vernon's Distillery's
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The information contained in this material safety data sheet was obtained from current and reliable sources. It is the user's responsibility to determine safe conditions for use of this product, and to assume responsibility for loss, injury, damage or expense resulting from improper use of this product.