



MATERIAL SAFETY DATA SHEET

1. Identification of Substance/Preparation & Company

PRODUCT NAME: Cedarwood Oil, Atlas
PRODUCT CODE: CEDAR
SUPPLIER: Green Valley Aromatherapy Ltd.,
4988 North Island Hwy, Courtenay, BC CANADA V9N 9H9
Emergency Tel No: (250) 334-4836. Contact Person: Kelly Lees

2. Composition / Information on Ingredients

DEFINITION/BOTANICAL ORIGIN: By steam distillation of sawdust and stumps of *Cedrus atlantica*.

| | | |
|---|-----------------------------|--|
| H-No: 3301.29.5050 | CAS No: 8023-85-6 | Status: natural |
| CoE No: | FEMA: | Additives: none |
| FDA: | IFRA: no restriction | Application: aromatherapy, skin care, etc |
| RIFM: monograph | EINECS: | RTECS: |
| INCI name: <i>Cedrus atlantica</i> | | FCCIV: |

3. Hazards Identification

Concentrated product. Do not ingest, use good housekeeping procedures when handling.

4. First-Aid Measures

INHALATION: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.
EYE CONTACT: Rinse immediately with plenty of water for at least 15 minutes. Contact a doctor if symptoms persist.
SKIN CONTACT: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.
INGESTION: Rinse out mouth with water. Seek medical advice **immediately**.
OTHER: When assessing action take Risk & Safety Phrases into account (Section 15).

5. Fire Fighting Measures

EXTINGUISHING MEDIA: Use CO₂, Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.
SPECIAL MEASURES: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.
EXTINGUISHING PROCEDURES: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. Accidental Release Measures

PERSONAL PRECAUTIONS: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.
ENVIRONMENT PRECAUTIONS: Keep away from drains, soils, surface & ground waters.
CLEAN UP METHODS FOR SPILLAGES: Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe municipal, federal and local disposal regulations.

Last updated February 17, 2011

7. Handling & Storage

| | |
|---------------------------------|---|
| PRECAUTIONS IN HANDLING: | Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene. Do not eat, drink or smoke whilst handling. |
| STORAGE CONDITIONS: | Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum. |
| FIRE PROTECTION: | Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area. |

8. Exposure Controls/Personal Protection

| | |
|----------------------------------|---|
| RESPIRATORY PROTECTION: | Avoid breathing product vapour. Apply local ventilation where possible. |
| VENTILATION: | Ensure good ventilation of working area. |
| HAND PROTECTION: | Avoid all skin contact. Use chemically resistant gloves if required. |
| EYE PROTECTION: | Use safety glasses. |
| WORK / HYGIENE PRACTICES: | Wash hands with soap & water after handling. |

9. Physical & Chemical Properties

| | |
|--|----------------------|
| COLOUR: | Amber to brown |
| APPEARANCE: | Viscous liquid |
| ODOUR: | Woody and persistent |
| FLASH POINT °C: | >100 |
| SPECIFIC GRAVITY @ 20°C: | 0.925 – 0.940 |
| OPTICAL ROTATION @ 20°C: | |
| REFRACTIVE INDEX @ 20°C: | 1.506 – 1.516 |
| SOLUBILITY IN 75% ETHANOL @ 20°C: | |
| SOLUBILITY IN VEGETABLE OILS: | Soluble |
| SOLUBILITY IN WATER: | Insoluble |

Typical Analysis by GLC/GCMS:

| CONSTITUENT | PERCENTAGE |
|--------------------|-------------------|
| Alpha cedrene | 0.1 |
| Beta cedrene | 0.1 |
| Thujopsene | 0.1 |
| Alpha Himachlene | 20.6 |
| Gamma Himachlene | 46.7 |
| Widdrol | 0.1 |
| Cedrol | 0.1 |
| Atlantone | 6.7 |
| Beta himachlene | 9.9 |

10. Stability & Reactivity

REACTIVITY: It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.

DECOMPOSITION: Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide and other non-identified organic compounds may be formed.

11. Toxicological Information

No data available.

12. Ecological Information

BIODEGRADABILITY: Data not available

PRECAUTIONS: Prevent surface contamination of soil, ground & surface water.

13. Disposal Considerations

Avoid disposing to drainage systems and into the environment. Seek expert advice.

14. Transport Regulations

ROAD (ADR/RID): n/a
AIR (IATA/ICAO): n/a
SEA (IMDG): n/a
CHIP: See section 15

15. Regulatory Information According to Directive 88/379/EEC

HAZARDS: n/a
SYMBOLS: n/a
RISK PHRASES: n/a
SAFETY PHRASES: n/a

16. Other Information

| PACKAGING: | TYPE | SUITABILITY |
|------------|-------------------------|-------------|
| | Glass | Yes |
| | Lacquer lined steel/tin | Yes |
| | Aluminums | Yes |
| | HPPE | No |
| | F/HDPE | Yes |
| | Other Plastic | No |

SHELF LIFE

Minimum 12 months when stored within advised conditions. Re-test after 12 months then every 3 months, up to a maximum of 36 months.

Q.C REQUIREMENTS

In-line with general product specification. Always satisfy suitability for specific application.

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