

**MATERIAL SAFETY DATA SHEET**  
**ACCORDING TO EC LEGISLATION 91/155/E EC**

Date created: August 2002

Date revised: June 2005

**1. Identification:**

Commercial name: *Cedarwood Himalayan essential oil.*

Botanical Nomenclature: *Cedrus deodora.*

INCI name: *Not available.*

CAS number: *Not available.*

EINECS/ELINCS number: *Not available.*

**2. Composition:**

Main components:  *$\alpha$  &  $\beta$  Himachalene Atlantone, Himachallol, Allohimachallol.*

Additives (e.g. carriers, preservatives, antioxidants): *NIL.*

**3. Potential Health Hazards:**

Inhalation: *None identified.*

Skin: *Concentrated liquid and vapours irritating to skin by prolonged exposure.*

Eyes: *Irritating to eyes with possible damage.*

Ingestion: *Harmful if swallowed.*

**4. First aid:**

Inhalation: *If discomfort is felt, remove person to a well ventilated area with plenty of fresh air.*

Skin: *Remove contaminated clothing. Wash affected area with plenty of soap and water.*

Eyes: *Flush immediately with plenty of cool water for 10 to 20 minutes. Seek medical advice from a Medical Doctor.*

Ingestion: *Seek immediate medical care.*

**5. In case of fire:**

Extinguishing Media: *Foam, Carbon dioxide.*

Do not use: *Water.*

Special precautions: *Wear breathing apparatus as toxic vapours may be released during fire.*

**6. Spill and Leak Procedure:**

Individual precautions: *Eliminate sources of ignition. Keep area well ventilated and isolate the spill.*

Environmental protection: *Prevent the liquid from entering the drains and sewers.*

Cleaning methods: *Soak up the spill using inert absorbents. For large spills use pumps.*

**7. Handling and storage:**

*Store in a cool, dry and dark place in suitable containers (aluminium cans or lacquer lined steel drums).*

*Handle in a well ventilated area.*

*Keep away from sources of heat and ignition.*

**8. Personal Protection / Exposure control:**

Respiratory protection: *Wear breathing apparatus when working in an area of high vapour concentration.*

Skin protection: *Use protective gloves. Wear protective clothing when possibility exists of contact.*

Eye protection: *Goggles should be worn.*

General precautions: *Use good industrial hygiene practise.*

#### **9. Physiochemical properties:**

Appearance:	<i>Golden yellow</i>
Odour:	<i>Woody, balsamic, pleasant</i>
pH:	<i>Neutral</i>
Boiling point:	<i>Not available</i>
Flash point:	<i>Higher than 100°C (closed cup)</i>
Autoignition Temperature:	<i>Not available</i>
Explosion Limits:	<i>Not available</i>
Vapour pressure (25°C):	<i>Not available</i>
Vapour Density:	<i>&gt;1 (air=1)</i>
Specific Gravity (20°C):	<i>0.953 to 0.976</i>
Optical Rotation (20°C):	<i>+34 to +53</i>
Refractive Index (20°C):	<i>1.515 to 1.523</i>
Solubility in water (20°):	<i>Negligible</i>
Partition Coefficient log P o/w:	<i>Not available</i>
Evaporation rate:	<i>&lt;1 (Butyl Acetate=1)</i>

#### **10. Stability and Reactivity:**

Chemical Stability: *Stable.*

Conditions to avoid: *Normally stable. Not reactive with water.*

Hazardous Decomposition Products: *Not available.*

#### **11. Toxicological Information:**

According to RIFM- Monograph:

Acute Toxicity: *Oral LD<sub>50</sub>: 5 g/kg in rats.*

*Dermal LD<sub>50</sub>: 5 g/kg in rabbits.*

Irritation: *Tested without irritation at 8%*

Sensitisation: *Tested without sensitisation at 8%*

Phototoxicity: *No phototoxicity detected*

#### **12. Ecotoxicological information:**

Fish Toxicity: LCO/EC<sub>50</sub>: *Not available.*

Bacteriotocity: ECO/EC<sub>50</sub>: *Not available.*

#### **13. Disposal Method:**

*Check Federal, State and Local Regulations.*

#### **14. Transport Information:**

*Non-hazardous material transport in suitable containers.*

#### **15. Regulatory Information**

##### **The British Essential Oil Association Chip Regulations – 2002**

<u>Hazard Symbols:</u>	Xn
<u>Risk Phrases:</u>	R65
<u>H/C %:</u>	60
<u>Safety Phrases:</u>	S62

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FOR AND ON BEHALF OF PHOENIX NATURAL PRODUCTS:

J.S. CHANA..... (MANAGING DIRECTOR)

DATE:.....