

Sandalwood Australian

SHIRLEY PRICE AROMATHERAPY LTD The Old Factory 8 Hawley Road, Hinckley,  
Leicestershire LE100PR Tel: 01455 615466

MATERIAL SAFETY DATA SHEET

ACCORDING TO EC LEGISLATION 91/155/E EC

Date created: August 2002

Date revised: June 2005

1. Identification:

Commercial name: Sandalwood Australian essential oil.

Botanical Nomenclature: Santalum album.

INCI name: Santalum album.

CAS number: 8006-87-9

EINECS CAS number: 84787-72-4

EEC Number: 284-111-1

2. Composition:

Main components: cis- D-santalol, cis- $\beta$ -santalol, cis-epi- $\beta$ -santalol,  
trans- $\beta$ -santalol, cis-  
lanceol,  $\beta$ -santalene, D-santalene, epi- $\beta$ -santalene.

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.

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General precautions: Use good industrial hygiene practise.

Slightly viscous pale yellow oil

9. Physiochemical properties:

Appearance:

Warm, faint woody balsamic notes, slightly

Odour:

urinous

pH:

Neutral

Not available

Boiling point:

Greater than 100°C

Flash point:

Autoignition Temperature:

Not available

Not available

Explosion Limits:

Vapour pressure (25°C):

Not available

>1 (air=1)

Vapour Density:

Specific Gravity (20°C):

0.971 ? 0.983

Optical Rotation (20°C):

-15.58 to -20

Refractive Index (20°C):

1.505 ? 1.510

Solubility in water (20°):

Negligible

Partition Coefficient log P o/w:

Not available

Evaporation rate:

<1 (Butyl Acetate=1)

10. Stability and Reactivity:

Chemical Stability: Stable.

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

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Hazardous Decomposition Products: Not available.

11. Toxicological Information:

According to RIFM- Monograph:

Acute Toxicity: Oral LD50: 5 g/kg in rats.  
Dermal LD50:

5 g/kg in rabbits.

Irritation:

Tested without irritation at 10%.

12. Sensitisation:

Tested without sensitisation at 10%.

Phototoxicity:

No phototoxic reaction reported.

13. Ecotoxicological information:

Fish Toxicity: LCO/EC50: Not available.

Bacteriotoxicity: ECO/EC50: Not available.

14. Disposal Method:

Check Federal, State and Local Regulations.

15. Transport Information:

Non-hazardous material transport in suitable containers.

16. Regulatory Information

The British Essential Oil Association  
Chip Regulations 2002

None

Hazard Symbol: None

Risk Phrase: None

Safety Phrase:

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FOR AND ON BEHALF OF SHIRLEY PRICE AROMATHERAPY LTD:  
P.I Brealey..... (MANAGING DIRECTOR)  
DATE: