

Basil linalool

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MATERIAL SAFETY DATA SHEET

ACCORDING TO EC LEGISLATION 91/155/E EC

Date created: August 2002

Date revised: June 2005

1. Identification:

Commercial name: Basil Linalol

Botanical Nomenclature:

INCI name: Ocimum basilicum

CAS number: 8015-73-4

EINECS CAS number: 84775-71-3

EEC Number: 283-900-8

2. Composition:

Main components: Linalool, Methyl Chavicol

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.

Basil linalool

Pale yellow mobile liquid

9. Physiochemical properties:

Appearance:

Sweet and aromatic

Odour:

pH:

Neutral

Not available

Boiling point:

75°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):

0.950 ? 0.973

Optical Rotation (20°C):

0 to +2

Refractive Index (20°C):

1.512 ? 1.519

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.

Hazardous Decomposition Products: Not available.

11. Sensitisers:

Basil linalool

Eugenol 15%, Geraniol 0.2%, Citronellol 0.3%, Limonene 1%, Linalool 62%, total 78.5%.

No phototoxic reaction reported

12. Toxicological Information:

According to RIFM- Monograph:

Acute Toxicity: Oral LD50: 1.4g/kg in rats

Dermal LD50: 5 g/kg in rabbits

Irritation: Tested without irritation at 4%

Sensitisation: Tested without sensitisation at 4%

Phototoxicity:

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

R22

Hazard Symbols: Xn

Risk Phrases:

H/C %:

Safety Phrases:

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