

Neroli

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MATERIAL SAFETY DATA SHEET
ACCORDING TO EC LEGISLATION 91/155/E EC
Date created: August 2002

Date revised: March 2006

1. Identification:

Commercial name: Neroli essential oil.
Botanical Nomenclature: Citrus aurantium var. amara.
INCI name: Citrus aurantium var. amara.
CAS number: 8016-38-4
EINECS CAS number: 72968-50-4
EEC Number: 277-143-2

2. Composition:

Main components: Linalool, β -pinene, Limonene, trans- β -ocimene, D-terpineol, trans-nerolidol, Linalyl acetate, cis- β -ocimene, Geranyl acetate, Neryl acetate, Nerol, Myrcene.
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

Neroli

contact.

Eye protection: Goggles should be worn.

General precautions: Use good industrial hygiene practise.

Pale yellow very mobile liquid

9. Physiochemical properties:

Appearance:

Odour:

Sweet, spicy, citrus floral typical orange blossom

pH:

Neutral

Not tested

Boiling point:

47°C

Flash point:

Autoignition Temperature:

not tested

not tested

Explosion Limits:

Vapour pressure (25°C):

not tested

not tested)

Vapour Density:

Specific Gravity (20°C):

0.865 ? 0.880

Optical Rotation (20°C):

0° to +8°

Refractive Index (20°C):

1.468 to 1.477

Solubility in water (20°):

Negligible

Partition Coefficient log P o/w:

not tested

Evaporation rate:

not tested

10. Stability and Reactivity:

Chemical Stability: Stable.

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Conditions to avoid: Normally stable. Not reactive with water.
Hazardous Decomposition Products: Not available.

11. Sensitisers:

Citral 0.3%, Geraniol 3.5%, Farnesol 4%, Limonene 18%, Linalool 44%, total 69.8%

12. Toxicological Information:

According to RIFM- Monograph:

Acute Toxicity: Oral LD50: 4.55 g/kg in rats.
Dermal LD50:

5 g/kg in rabbits.

Irritation:

Tested without irritation at 4%.

Sensitisation:

Tested without sensitisation at 4%.

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:

UN Number 1993: Proper shipping name: Flammable Liquid N.O.S.

Hazard Class: 3.3 Packing group: III

Transport Safety: Air (ATA/ICAO)

2/PAX309/CA310/III

Sea (IMDG-Code): 3.3/III; Rail (RID): 3.31c; Road (ADR): 3.31c

16. Regulatory Information

The British Essential Oil Association Chip Regulations 2002

R10, 65

Hazard Symbols: Xn

Risk Phrases:

40

H/C %:

Safety Phrases:

S62

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Neroli

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DETERMINE SAFE CONDITIONS FOR USE AND TO ASSUME LIABILITY FOR LOSS, INJURY,
DAMAGE OR
EXPENSE RESULTING FROM IMPROPER USE OF THIS PRODUCT.

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