

Myrrh

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

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1. Identification:

Commercial name: Myrrh essential oil.
Botanical Nomenclature: Commiphora myrrha
INCI name: Commiphora myrrha
CAS number: 84929-26-0
EINECS CAS number: 284-510-0

2. Composition:

Main components: Furanoeudesma-1-3-diene, iso-furanogermacrene, linaldrene,
elemol.
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. Physicochemical properties:

Myrrh

Yellow brown liquid

Appearance:

Odour:

Heavy, balsamic, slightly sweet

pH:

Neutral

Boiling point:

Not available

Flash point:

over 100C

Autoignition Temperature:

Not available

Explosion Limits:

Not available

Vapour pressure (25°C):

Not available

Vapour Density:

>1 (air=1)

Specific Gravity (15°C):

0.986-1.024

Optical Rotation (20°C):

-29° to -93°

Refractive Index (20°C):

1.519-1.527

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. Toxicological Information:

According to RIFM- Monograph:

Acute Toxicity:

/kg in rats.

Myrrh

Oral LD50:

Dermal LD50:

/kg in rabbits.

Irritation:

Tested at 8% without irritation.

Sensitisation:

Tested at 8% without sensitisation.

Phototoxicity:

No phototoxic reaction reported.

12. Sensitizers: None detected

13. Ecotoxicological information:

Fish Toxicity: LCO/EC50: Not available.

Bacteriotocity: 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

Hazard Symbols:

Xn

Risk Phrases:

R22 R65

H/C %:

70

Safety Phrases:

S62

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