

Marjoram Egyptian
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MATERIAL SAFETY DATA SHEET
ACCORDING TO EC LEGISLATION 91/155/E EC
Date created: June 1998

Date revised: June 2005

1. Identification:

Commercial name: Marjoram Egyptian essential oil.
Botanical Nomenclature: Origanum marjorana.
INCI name: Origanum marjorana.
CAS number: 84082 ? 58 ? 6.
EINECS/ELINCS number: 282 ? 004 ? 4.

2. Composition:

Main components: a-terpinene, g-terpinene, terpinene-4-ol.
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:

Marjoram Egyptian

Appearance: Yellow liquid
Odour: Herbaceous, warm, sharp typical
pH: Neutral
Boiling point: Not available
Flash point: 52°C
Autoignition Temperature: Not available
Explosion Limits: Not available
Vapour pressure (25°C): Not available
Vapour Density: >1 (air=1)
Specific Gravity (25°C): 0.890 to 0.906
Optical Rotation (25°C): +4° to +24°
Refractive Index (25°C): 1.4700 to 1.4750
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:

Geraniol 0.3%, Limonene 5%, Linalool 25%, total 30.3%

12. Toxicological Information:

According to RIFM- Monograph:
Acute Toxicity: Oral LD50: 2.2 g/kg in rats.
Dermal LD50: 5 g/kg in rabbits.
Irritation: Tested without irritation at 6%.
Sensitisation: Tested without sensitisation at 6%.
Phototoxicity: No phototoxic reaction reported.

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:

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

Symbol: Risk-Phrase

R10, 22, 38

Safety-Phrase: (24/25)

16. Legislation:

Meets IFRA and RIFM guidelines.

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

DATE: