

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

PRODUCT NAME:

Rosemary Oil, Spanish (chemotype camphor)

SUPPLIER:

Fresholi
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2. COMPOSITION / INFORMATION ON INGREDIENTS.

DEFINITION/BOTANICAL ORIGIN: The volatile oil obtained by steam distillation from the leaves & fresh flowering tops of the shrubby perennial *Rosemarinus officinalis* L. (Fam. *Labiatae*).

H-No: 3301.2961

CAS No: 8000-25-7

Status: natural

CoE No: 406

FEMA: 2992

Additives: none

FDA: §182.10

IFRA: Not restricted

Application: aromatherapy, skincare

RIFM: monograph

EC No: 283-291-9

EINECS- CAS No: 84604-14-8

RTECS:

FCCIV: official

INCI name: Rosmarinus officinalis (Rosemary) Leaf Oil

3. HAZARDS IDENTIFICATION:

Xn Harmful; N Dangerous for the environment

4. FIRST-AID MEASURES:

INHALATION: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

EYE CONTACT: Rinse immediately with plenty of water for at least 15 minutes. Contact a doctor if symptoms persist.

SKIN CONTACT: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

INGESTION: Rinse mouth out with water. Seek medical advice **immediately**.

OTHER: When assessing action take Risk & Safety Phrases into account (Section 15)

5. FIRE FIGHTING MEASURES.

EXTINGUISHING MEDIA: Use CO₂, Dry Powder or Foam type Extinguishers, spraying RECOMMENDED: extinguishing media to base of flames. Do not use direct water jet on burning material.

SPECIAL MEASURES: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

EXTINGUISHING PROCEDURES: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. ACCIDENTAL RELEASE MEASURES.

PERSONAL PRECAUTIONS:	Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.
ENVIRONMENT PRECAUTIONS:	Keep away from drains, soils, surface & ground waters.
CLEANING UP METHODS	Remove all potential ignition sources. Contain spilled material. Cover FOR
SPILLAGES:	with an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe state, federal & local disposal regulations.

7. HANDLING & STORAGE.

PRECAUTIONS IN HANDLING:	Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.
STORAGE CONDITIONS:	Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.
FIRE PROTECTION:	Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

RESPIRATORY PROTECTION:	Avoid breathing product vapour. Apply local ventilation where possible.
VENTILATION:	Ensure good ventilation of working area.
HAND PROTECTION:	Avoid all skin contact. Use chemically resistant gloves if required.
EYE PROTECTION:	Use safety glasses.
WORK/HYGIENE PRACTICES:	Wash hands with soap & water after handling.

9. PHYSICAL & CHEMICAL PROPERTIES.

COLOUR:	Colourless or pale yellow
APPEARANCE:	Clear mobile liquid
ODOUR:	Characteristic clean refreshing
FLASH POINT °C:	40
SPECIFIC GRAVITY @ 20°C:	0.890 - 0.920
REFRACTIVE INDEX @ 20°C:	1.450 - 1.470

10. STABILITY & REACTIVITY.

REACTIVITY:	It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.
DECOMPOSITION:	Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11. TOXICOLOGICAL INFORMATION.

Undiluted rosemary oil was found to be non-irritating & non-sensitising to human skin: see D.L.J. Opdyke (1974) *FCT*, **12**, 977-978. However see section 16.

Literature values:-

Oral LD₅₀ (rats) 5ml/kg

Dermal LD₅₀ (rabbits) > 10ml/kg

12. ECOLOGICAL INFORMATION.

Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment.

BIODEGRADABILITY: Data not available

PRECAUTIONS: Prevent surface contamination of soil, ground & surface water.

13. DISPOSAL CONSIDERATIONS.

Avoid disposing to drainage systems and into the environment. Seek expert advice.

14. TRANSPORT REGULATIONS.

UN 1169:	applies
Road (ADR/RID):	Class 3 Packing Group III
AIR (IATA) :	Class 3 Packing Group III
SEA (IMDG):	Class 3 Packing Group III
CHIP:	See section 15

15. REGULATORY INFORMATION.

HAZARDS:	Harmful; Dangerous for the environment
SYMBOLS:	Xn; N
RISK PHRASES:	R10 Flammable R43 May cause sensitisation by skin contact R50/53 Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment R22/68 Harmful if swallowed. Possible risk of irreversible effects R65 Harmful: may cause lung damage if swallowed
SAFETY PHRASES:	S24 Avoid contact with skin S37 Wear suitable gloves S61 Avoid release to the environment. Refer to special instructions/safety data sheets S62 If swallowed, do not induce vomiting: seek medical advice immediately and show container or label

16. OTHER INFORMATION.

Cosmetics Directive 7th Amendment: Restrictions may apply. A source of Limonene and Linalool, listed as sensitisers. Check maximum usage levels for skin care products.

PACKAGING:

Type	Suitability
Glass	Yes
Lacquer lined steel/tin	Yes
Aluminium	Yes
HPPE	No
F/HDPE	Yes
Other plastic	No

SHELF LIFE

When stored within advised conditions, re-test after 12 months then at 3 monthly intervals up to a maximum life of 36 months.

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.

This information is given in good faith and is correct to the best of our knowledge. However, we cannot accept responsibility or liability for any consequences arising from its use.

The suitability of this product for any particular use is not suggested or implied.

This document is not a specification and properties shown are not guaranteed.