



Essential Oils, Skincare & Aromatherapy Products

SAFETY DATA SHEET

1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME: Rosemary Oil

SUPPLIER: Celtic Tree Oils, Carlingford, Co. Louth, Ireland, A91 D86V

Telephone +44 (0)117-9087770.

PRODUCT NUMBER: 45

CAS NUMBER: 8000-25-7

EC NUMBER: 283-291-9

EINECS NUMBER: 283-291-9

INCI: Rosmarinus officinalis Linnaeus oil

IDENTIFIED USES:

BIOLOGICAL DEFINITION: Essential oil of rosemary obtained from the flowering tops of Rosmarinus officinalis Linnaeus (Labiatae) by steam distillation.

2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CAS: 8000-25-7

EC: 283-291-9

CLASSIFICATION (1272/2008)

PHYSICAL HAZARDS:

H226 Flammable liquid and vapour.

HEALTH HAZARDS:

H371 May cause damage to organs.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

ENVIRONMENTAL HAZARDS:

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD:

DANGER

HAZARD STATEMENTS:

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H371 May cause damage to organs.

H304 May be fatal if swallowed and enters airways.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

SDS: 45 Rosemary Essential oil.

Compiled by: Johndan Chilcott, Regulatory Affairs | Date: 10/04/2019 - Version: 4



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PRECAUTIONARY STATEMENTS:

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P331 Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P362+P364 Take off contaminated clothing and wash it before reuse.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

CONTAINS:

Eucalyptol
alpha-Pinene
Camphor Natural
beta-Pinene
beta-Caryophyllene
d-Limonene

3: COMPOSITION/INFORMATION ON INGREDIENTS

25-50% Eucalyptol

CAS NUMBER: 470-82-6

EINECS: 207-431-5

CLASSIFICATION:

Flam. Liq. 3, H226

Skin Sens. 1B, H317

10-25% alpha-Pinene

CAS NUMBER: 80-56-8

EINECS: 201-291-9

CLASSIFICATION:

Flam. Liq. 3, H226

Asp. Tox. 1, H304

Aquatic Acute 1, H400

Aquatic Chronic 1, H410

Acute Tox. 4, H302

Skin Irrit. 2, H315

Skin Sens. 1B, H317

10-25% Camphor Natural

CAS NUMBER: 76-22-2

EINECS: 200-945-0

CLASSIFICATION:

Flam. Sol. 2, H228

STOT SE 2, H371

Acute Tox. 4, H302

Acute Tox. 4, H332

2.5-10% beta-Pinene

CAS NUMBER: 127-91-3

EINECS: 204-872-5

CLASSIFICATION:

Flam. Liq. 3, H226

Asp. Tox. 1, H304

Aquatic Acute 1, H400

Aquatic Chronic 1, H410

Skin Irrit. 2, H315

Skin Sens. 1B, H317



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2.5 - 10% camphene	
CAS NUMBER: 79-92-5	EINECS:201-872-5
CLASSIFICATION:	Flam. Sol. 1, H228 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Eye Irrit. 2, H319

2.5-10% beta-Caryophyllene	
CAS NUMBER: 87-44-5	EINECS:201-746-1
CLASSIFICATION:	Asp. Tox. 1, H304 Skin Sens. 1B, H317

2.5 - 10% Borneol	
CAS NUMBER: 507-70-0	EINECS: 208-080-0
CLASSIFICATION:	Flam. Sol. 2, H228

≤2.5% d-Limonene	
CAS NUMBER: 68647-72-3	EINECS: 227-813-5
CLASSIFICATION:	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Skin Irrit. 2, H315 Skin Sens. 1, H317

≤2.5% alpha-Terpineol	
CAS NUMBER: 98-55-5	EINECS: 202-680-6
CLASSIFICATION:	Skin Irrit. 2, H315 Eye Irrit. 2, H319

≤2.5% Myrcene	
CAS NUMBER: 123-35-5	EINECS: 204-622-5
CLASSIFICATION:	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 Skin Irrit. 2, H315

≤2.5% p-cymene	
CAS NUMBER: 99-87-6	EINECS:202-796-7
CLASSIFICATION:	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

≤2.5% 4-allylveratrole (methyl eugenol natural)	
CAS NUMBER: 93-15-2	EINECS: 202-223-0
CLASSIFICATION:	Muta. 2, H341 Carc. 2, H351 Acute Tox. 4, H302

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.



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4: FIRST AID MEASURES

INHALATION:	Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient in recovery position for transportation, supply fresh air.
INGESTION:	Inform doctor. Do not give milk or fatty oils.
SKIN CONTACT:	Immediately wash with water and soap and rinse thoroughly. Immediately rinse with water. If skin irritation continues, consult a doctor.
EYE CONTACT:	Rinse opened eye for several minutes under running water.
GENERAL INFORMATION:	No further relevant information.
NOTES FOR THE DOCTOR:	No further relevant information.

5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA RECOMMENDED:	CO ₂ , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
UNSUITABLE EXTINGUISHING MEDIA:	Water on full jet.
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:	Carbon monoxide (CO)
EXTINGUISHING PROCEDURES:	No special measures needed

6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	WEAR PROTECTIVE EQUIPMENT. KEEP UNPROTECTED PERSONS AWAY.
ENVIRONMENT PRECAUTIONS:	Prevent seepage into sewage system, work pits and cellars. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.
CLEANING UP METHODS FOR SPILLAGES:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
REFERENCE TO OTHER SECTIONS	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7: HANDLING AND STORAGE

USAGE PRECAUTIONS:	Ensure good ventilation/exhaustion at the workplace. Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
STORAGE PRECAUTIONS:	Store only in unopened original receptacles. Keep receptacle tightly sealed. Store in the dark.



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8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

Camphor Natural CAS: 76-22-2

WEL

Short-term value: 19 mg/m³, 3 ppm

Long-term value: 13 mg/m³, 2 ppm

PROTECTIVE EQUIPMENT:



APPROPRIATE ENGINEERING CONTROLS:

No data available.

EYE/FACE PROTECTION:

Wear safety goggles.

HAND PROTECTION:

Wear chemically resistant gloves.

OTHER SKIN AND BODY PROTECTION:

Immediately remove all soiled and contaminated clothing

HYGIENE MEASURES:

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

RESPIRATORY PROTECTION:

No data available.

9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Liquid

COLOUR:

Colourless to pale yellow

ODOUR:

Characteristic

FLASH POINT °C:

47.3

SPECIFIC GRAVITY @ 20°C:

0.907 -0.920

SOLUBILITY IN WATER:

Not miscible or difficult to mix

10: STABILITY AND REACTIVITY

REACTIVITY:

No further relevant information available.

DECOMPOSITION:

No decomposition if used according to specifications.

POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reactions known.

CONDITIONS TO AVOID

No further relevant information available.

INCOMPATIBLE MATERIALS:

No further relevant information available.

HAZARDOUS DECOMPOSITION PRODUCTS:

No dangerous decomposition products known.



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11: TOXICOLOGICAL INFORMATION

EYE CONTACT:	Based on available data, the classification criteria are not met.
SKIN CONTACT:	Causes skin irritation
ACUTE TOXICITY:	Based on available data, the classification criteria are not met.

LD/LC50 VALUES RELEVANT FOR CLASSIFICATION:

80-56-8 alpha-Pinene

ORAL LD 50:	3700mg/kg (Rat)
DERMAL LD 50:	>5000mg/kg (Lap)

76-22-2 Camphor Natural

ORAL LD 50	1310mg/kg (Rat)
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79-92-5 camphene

ORAL LD 50	>5000mg/kg (Rat)
DERMAL LD 50	>2500mg/kg (lap)

RESPIRATORY OR SKIN SENSITISATION:	May cause an allergic skin reaction.
GERM CELL MUTAGENICITY:	Based on available data, the classification criteria are not met.
CARCINOGENICITY:	Based on available data, the classification criteria are not met.
REPRODUCTIVE TOXICITY:	Based on available data, the classification criteria are not met.
STOT-SINGLE EXPOSURE:	May cause damage to organs
STOT-REPEATED EXPOSURE:	Based on available data, the classification criteria are not met.
ASPIRATION HAZARD:	May be fatal if swallowed and enters airways.

12: ECOLOGICAL INFORMATION

ECOTOXICITY:	Very toxic for fish Toxic for fish
PERSISTENCE AND DEGRADABILITY:	No further relevant information available.
BIOACCUMULATIVE POTENTIAL:	No further relevant information available.
MOBILITY IN SOIL:	No further relevant information available.
RESULTS OF PBT AND vPvB ASSESSMENT:	n/a
PRECAUTIONS:	Do not allow product to reach ground water, water course or sewage system, even in small quantities. Also poisonous for fish and plankton in water bodies. Very toxic for aquatic organisms Toxic for aquatic organisms

13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:	Must not be disposed together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations.
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14: TRANSPORT INFORMATION

UN No. ROAD: UN1169
UN No. SEA: UN1169
UN No. AIR: UN1169
UN PROPER SHIPPING NAME:
ADR 1169 EXTRACTS, AROMATIC, LIQUID
IMDG EXTRACTS, AROMATIC, LIQUID (camphene, DIPENTENE), MARINE POLLUTANT
IATA EXTRACTS, AROMATIC, LIQUID
TRANSPORT HAZARD CLASS(ES): 3

PACKING GROUP: III
ENVIRONMENTALLY HAZARDOUS Product contains
SUBSTANCE/MARINE POLLUTANT: environmentally hazardous
substances: camphene
Marine pollutant.



SPECIAL PRECAUTIONS FOR THE USER: WARNING: Flammable Liquids.
DANGER CODE (KEMLER): 30
EMS NUMBER: F-E, S-D
STOWAGE CATEGORY: A
TRANSPORT IN BULK ACCORDING TO ANNEX II n/a
OF MARPOL73/78 AND THE IBC CODE:
TRANSPORT/ADDITIONAL INFORMATION:
ADR
-LIMITED QUANTITIES (LQ): 5L
-EXCEPTED QUANTITIES (EQ): Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
-TRANSPORT CATEGORY 3
-TUNNEL RESTRICTION CODE D/E
IMDG
-LIMITED QUANTITIES (LQ): 5L
-EXCEPTED QUANTITIES (EQ) Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
UN "MODEL REGULATION": UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III



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15: REGULATORY INFORMATION

EU LEGISLATION:

Directive 2012/18/EU
Named dangerous substances - ANNEX I Substance is not listed.
Seveso category
E1 Hazardous to the Aquatic Environment
P5c FLAMMABLE LIQUIDS
Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t
Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t
REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 40

CHEMICAL SAFETY ASSESSMENT:

A Chemical Safety Assessment has been carried out.

16: OTHER INFORMATION

HAZARD PHRASES IN FULL

H226 Flammable liquid and vapour.
H228 Flammable solid.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H341 Suspected of causing genetic defects.
H351 Suspected of causing cancer.
H371 May cause damage to organs.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

ABBREVIATIONS AND ACRONYMS:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids – Category 3



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Flam. Sol. 1: Flammable solids – Category 1
Flam. Sol. 2: Flammable solids – Category 2
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1B: Skin sensitisation – Category 1B
Muta. 2: Germ cell mutagenicity – Category 2
Carc. 2: Carcinogenicity – Category 2
STOT SE 2: Specific target organ toxicity (single exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Q.C. REQUIREMENTS.

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

Retest after 6 months.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.