

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 8/7/2019 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form Substance name : Substance

Chemical name EC-No. : Rosemary Essential Oil
CAS-No. : Rosemary Essential Oil
: Rosmarinus Officinalis Leaf Oil

Product code : 283-291-9

Synonyms : 84604-14-8 / 8000-25-7

: 108

: Rosemary Oil Spanish

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

No additional information available

1.2.2. Uses advised against No additional information

available

1.3. Details of the supplier of the safety data sheet

Naturpolc Magyarország Kft. Klapka street 4. Budapest 1193 Hungary www.naturpolc.hu

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

H226 H302

2.1.

H315

Classification according to Regulation (EC) No. 1272/2008 [CLP]

H317

Flammable liquids, Category 3

H371

Acute toxicity (oral), Category 4

H304

Skin corrosion/irritation, Category 2

H410

Skin sensitisation, Category 1

Specific target organ toxicity — Single exposure, Category 2

Aspiration hazard, Category 1

Hazardous to the aquatic environment — Chronic Hazard, Category 1 $\,$

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Flammable liquid and vapour. May cause damage to organs (.) (.). Causes skin irritation. May cause an allergic skin reaction. May be fatal if swallowed and enters airways. Very toxic to aquatic life

with long lasting effects.

2.2. Label elements

Hazard pictograms (CLP)



Signal word (CLP)

GHS02 GHS07 GHS08 GHS09

Hazard statements (CLP)

Danger

: H226 - Flammable liquid and vapour.

H302 - Harmful if swallowed.

H304 - May be fatal if swallowed and enters airways.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction. H371 - May cause damage to organs (.) (.).

H410 - Very toxic to aquatic life with long lasting effects.

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Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P233 - Keep container tightly closed.

P240 - Ground and bond container and receiving equipment.

P241 - Use explosion-proof . equipment.

P260 - Do not breathe vapours, spray, mist.

P264 - Wash hands, forearms and face thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P273 - Avoid release to the environment.

P280 - Wear protective clothing, eye protection, face protection.

P301+P310 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water or shower.

P308+P311 - IF exposed or concerned: Call a doctor, a POISON CENTER.

P330 - Rinse mouth.

P331 - Do NOT induce vomiting.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P370+P378 - In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

P391 - Collect spillage.

P403+P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose of contents to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

< 2.5

2.3. Other hazards

No additional Information available

SECTION 3: Composition/information on ingredients

3.1. Substances

 Name
 : Rosemary Essential Oil

 CAS-No.
 : 84604-14-8 / 8000-25-7

 EC-No.
 : 283-291-9

Name Product identifier % 25 - 50 Cineole (CAS-No.) 470-82-6 (EC-No.) 207-431-5 (CAS-No.) 80-56-8 / 7785-26-4 Alpha-Pinene 10 - 25 (EC-No.) 201-291-9 Camphor (CAS-No.) 76-22-2 / 21368-68-3 EC-No.) 200-945-0 Beta-Pinene 2.5 - 10 (CAS-No.) 127-91-3 (EC-No.) 204-872-5 2.5 - 10 Limonene (CAS-No.) 5989-27-5 (EC-No.) 227-813-5 Camphene 2.5 - 5 (CAS-No.) 79-92-5 (EC-No.) 201-234-8 < 3 beta-Caryophyllene (CAS-No.) 87-44-5 (EC-No.) 201-746-1 3-Carene < 2.5 (CAS-No.) 13466-78-9 EC-No.) 236-719-3 (CAS-No.) 10482-56-1 / 98-55-5 (EC-No.) <= 2.5 alpha-Terpineol 233-986-8 / 202-680-6 gamma-Terpinene < 2.5 (CAS-No.) 99-85-4 (EC-No.) 202-794-6 p-Cymene < 2.5 (CAS-No.) 99-87-6 (EC-No.) 202-796-7

Full text of H-statements: see section 16

3.2. Mixtures

Terpinolene

Not applicable

(CAS-No.) 586-62-9

(EC-No.) 209-578-0

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SECTION 4: First aid measures

4.1. Description of first aid measures First-aid

measures after inhalation

: Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek

medical advice.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get

medical advice/attention.

First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water

for several minutes. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Do not induce vomiting. Rinse mouth. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact : May cause an allergic skin reaction.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Unsuitable : Dry powder. Foam. Carbon dioxide. extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire

: Carbon monoxide. Carbon dioxide.

5.3. Advice for firefighters

Precautionary measures fire Firefighting instructions : Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Evacuate area.

: Cool laterally with water containers exposed to flames, even after the fire is extinguished. Eliminate all ignition sources if safe to do so. In case of fire: stop leak if safe to do so.

Protection during firefighting

: Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1.

General measures

: Stop leak if safe to do so. Remove ignition sources. Evacuate area.

6.1.1. For non-emergency personnel

Protective equipment Emergency procedures

: Wear recommended personal protective equipment.

: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes.

6.1.2. For emergency responders Protective

equipment

: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Prevent liquid from entering sewers, watercourses, underground or low areas.

6.3. Methods and material for containment and cleaning up

For containment

: Collect spillage.

Methods for cleaning up

: On land, sweep or shovel into suitable containers. Clean up any spills as soon as possible, using an absorbent material to collect it. Minimise generation of dust. Store away from other materials.

Other information

: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin and eyes.

Hygiene measures

: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Ground/bond container and receiving equipment.

: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. Storage conditions

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

7.3. Specific end use(s)No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

F	control parameters		
Alpha-Pinene (80-56-8 / 7785-26-4)			
USA - ACGIH - Occupational Exposure Limits			
ACGIH TWA (ppm)	20 ppm		
Camphor (76-22-2 / 21368-68-3)			
United Kingdom - Occupational Exposure Limits			
WEL TWA (mg/m³)	13		
WEL TWA (ppm)	2 ppm		
WEL STEL (mg/m3)	19		
WEL STEL (ppm)	3 ppm		
USA - ACGIH - Occupational Exposure Limits			
ACGIH TWA (ppm)	2 ppm		
ACGIH STEL (ppm)	3 ppm		
Beta-Pinene (127-91-3)			
USA - ACGIH - Occupational Exposure Limits			
ACGIH TWA (ppm)	20 ppm		
3-Carene (13466-78-9)			
United Kingdom - Occupational Exposure Limits			
WEL TWA (ppm)	20 ppm		

8.2. Exposure Controls

Appropriate engineering Controls:

Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hand protection:

Protective gloves made of PVC

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):







Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1.

Physical state : Liquid

Colour : Colourless to pale yellow.

Odour : characteristic.
Odour threshold : No data available

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according to Regulation (EC)			

pH	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point	Not applicable
Freezing point	No data available
Boiling point	158 - 210 °C
Flash point	23 - 55 °C
Auto-ignition temperature	265 - 275 °C
Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable
Vapour pressure	253 hPa @ 25°C
Relative vapour density at 20 °C	No data available
Relative density	0.895 - 0.905 @ 20°C
Solubility	Water: Insoluble
Log Pow	2.74
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available
9.2. Other information	

1.465 - 1.467 @ 20°C

10.1. Reactivity

Refractive index

Flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Strong bases. Strong acids. Oxidizing agent.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Rosemary Essential Oil (84604-14-8 / 8000-25-7)	
LD50 oral	1724.14 mg/kg
LC50 inhalation rat (Vapours - mg/l/4h)	95.65 mg/l/4h

Cineole (470-82-6)		
LD50 oral rat	2480 mg/kg	
LD50 dermal	> 2000 mg/kg	
LC50 inhalation rat (mg/l)	> 20 mg/l	·

Alpha-Pinene (80-56-8 / 7785-26-4)	
LD50 oral rat	3700 mg/kg

Camphor (76-22-2 / 21368-68-3)	
LD50 oral	1500 mg/g
LC50 inhalation rat (mg/l)	1.5 mg/l

Persistence and degradability

Beta-Pinene (127-91-3)	
LD50 dermal rat	= 4700 mg/kg
p-Cymene (99-87-6)	
LD50 oral rat	4750 mg/kg
LD50 dermal	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 20 mg/l/4h
3-Carene (13466-78-9)	
LD50 oral	4800 mg/kg
Limonene (5989-27-5)	
LD50 oral rat	4400 mg/kg
LD50 dermal	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 20 mg/l
Skin corrosion/irritation	: Causes skin irritation. : Not classified
Serious eye damage/irritation Respiratory or skin sensitisation	: Not classified : May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure STOT-repeated exposure	: May cause damage to organs (.) (.). : Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.
SECTION 12: Ecological information	: May be fatal if swallowed and enters airways.
SECTION 12: Ecological information 12.1. Toxicity	
SECTION 12: Ecological information 12.1. Toxicity Ecology - general	: Very toxic to aquatic life with long lasting effects. Before neutralisation, the product may represent a danger to aquatic organisms.
SECTION 12: Ecological information 12.1. Toxicity Ecology - general Acute aquatic toxicity	: Very toxic to aquatic life with long lasting effects. Before neutralisation, the product may represent a danger to aquatic organisms. : Not classified
SECTION 12: Ecological information 12.1. Toxicity Ecology - general Acute aquatic toxicity Chronic aquatic toxicity	Very toxic to aquatic life with long lasting effects. Before neutralisation, the product may represent a danger to aquatic organisms. Not classified Very toxic to aquatic life with long lasting effects.
SECTION 12: Ecological information 12.1. Toxicity Ecology - general Acute aquatic toxicity Chronic aquatic toxicity Rosemary Essential Oil (84604-14-8 / 8000-25-	 : Very toxic to aquatic life with long lasting effects. Before neutralisation, the product may represent a danger to aquatic organisms. : Not classified : Very toxic to aquatic life with long lasting effects.
SECTION 12: Ecological information 12.1. Toxicity Ecology - general Acute aquatic toxicity Chronic aquatic toxicity Rosemary Essential Oil (84604-14-8 / 8000-25-LC50 fish 1	: Very toxic to aquatic life with long lasting effects. Before neutralisation, the product may represent a danger to aquatic organisms. : Not classified : Very toxic to aquatic life with long lasting effects. 7) 3.9 mg/l
SECTION 12: Ecological information 12.1. Toxicity Ecology - general Acute aquatic toxicity Chronic aquatic toxicity Rosemary Essential Oil (84604-14-8 / 8000-25-	 : Very toxic to aquatic life with long lasting effects. Before neutralisation, the product may represent a danger to aquatic organisms. : Not classified : Very toxic to aquatic life with long lasting effects.
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SECTION 12: Ecological information 12.1. Toxicity Ecology - general Acute aquatic toxicity Chronic aquatic toxicity Rosemary Essential Oil (84604-14-8 / 8000-25-LC50 fish 1 EC50 Daphnia 1	: Very toxic to aquatic life with long lasting effects. Before neutralisation, the product may represent a danger to aquatic organisms. : Not classified : Very toxic to aquatic life with long lasting effects. 7) 3.9 mg/l
SECTION 12: Ecological information 12.1. Toxicity Ecology - general Acute aquatic toxicity Chronic aquatic toxicity Rosemary Essential Oil (84604-14-8 / 8000-25-LC50 fish 1 EC50 Daphnia 1 p-Cymene (99-87-6)	: Very toxic to aquatic life with long lasting effects. Before neutralisation, the product may represent a danger to aquatic organisms. : Not classified : Very toxic to aquatic life with long lasting effects. 7) 3.9 mg/l 4.7 mg/l
SECTION 12: Ecological information 12.1. Toxicity Ecology - general Acute aquatic toxicity Chronic aquatic toxicity Rosemary Essential Oil (84604-14-8 / 8000-25- LC50 fish 1 EC50 Daphnia 1 p-Cymene (99-87-6) LC50 fish 1 EC50 Daphnia 1	: Very toxic to aquatic life with long lasting effects. Before neutralisation, the product may represent a danger to aquatic organisms. : Not classified : Very toxic to aquatic life with long lasting effects. 7) 3.9 mg/l 4.7 mg/l
SECTION 12: Ecological information 12.1. Toxicity Ecology - general Acute aquatic toxicity Chronic aquatic toxicity Rosemary Essential Oil (84604-14-8 / 8000-25-LC50 fish 1 EC50 Daphnia 1 p-Cymene (99-87-6) LC50 fish 1 EC50 Daphnia 1 Limonene (5989-27-5)	: Very toxic to aquatic life with long lasting effects. Before neutralisation, the product may represent a danger to aquatic organisms. : Not classified : Very toxic to aquatic life with long lasting effects. 7) 3.9 mg/l 4.7 mg/l 48 mg/l 6.5 mg/l
SECTION 12: Ecological information 12.1. Toxicity Ecology - general Acute aquatic toxicity Chronic aquatic toxicity Rosemary Essential Oil (84604-14-8 / 8000-25- LC50 fish 1 EC50 Daphnia 1 p-Cymene (99-87-6) LC50 fish 1 EC50 Daphnia 1 Limonene (5989-27-5) LC50 fish 1	: Very toxic to aquatic life with long lasting effects. Before neutralisation, the product may represent a danger to aquatic organisms. : Not classified : Very toxic to aquatic life with long lasting effects. 7) 3.9 mg/l 4.7 mg/l 48 mg/l 6.5 mg/l = 33 mg/l
SECTION 12: Ecological information 12.1. Toxicity Ecology - general Acute aquatic toxicity Chronic aquatic toxicity Rosemary Essential Oil (84604-14-8 / 8000-25-LC50 fish 1 EC50 Daphnia 1 p-Cymene (99-87-6) LC50 fish 1 EC50 Daphnia 1 Limonene (5989-27-5)	: Very toxic to aquatic life with long lasting effects. Before neutralisation, the product may represent a danger to aquatic organisms. : Not classified : Very toxic to aquatic life with long lasting effects. 7) 3.9 mg/l 4.7 mg/l 48 mg/l 6.5 mg/l
SECTION 12: Ecological information 12.1. Toxicity Ecology - general Acute aquatic toxicity Chronic aquatic toxicity Rosemary Essential Oil (84604-14-8 / 8000-25-LC50 fish 1 EC50 Daphnia 1 p-Cymene (99-87-6) LC50 fish 1 EC50 Daphnia 1 Limonene (5989-27-5) LC50 fish 1 EC50 Daphnia 1	: Very toxic to aquatic life with long lasting effects. Before neutralisation, the product may represent a danger to aquatic organisms. : Not classified : Very toxic to aquatic life with long lasting effects. 7) 3.9 mg/l 4.7 mg/l 48 mg/l 6.5 mg/l = 33 mg/l 0.1 - 1 mg/l
SECTION 12: Ecological information 12.1. Toxicity Ecology - general Acute aquatic toxicity Chronic aquatic toxicity Rosemary Essential Oil (84604-14-8 / 8000-25- LC50 fish 1 EC50 Daphnia 1 P-Cymene (99-87-6) LC50 fish 1 EC50 Daphnia 1 Limonene (5989-27-5) LC50 fish 1 EC50 Daphnia 1 EC50 Daphnia 1	: Very toxic to aquatic life with long lasting effects. Before neutralisation, the product may represent a danger to aquatic organisms. : Not classified : Very toxic to aquatic life with long lasting effects. 7) 3.9 mg/l 4.7 mg/l 48 mg/l 6.5 mg/l - 33 mg/l 0.1 - 1 mg/l
SECTION 12: Ecological information 12.1. Toxicity Ecology - general Acute aquatic toxicity Chronic aquatic toxicity Rosemary Essential Oil (84604-14-8 / 8000-25-LC50 fish 1 EC50 Daphnia 1 p-Cymene (99-87-6) LC50 fish 1 EC50 Daphnia 1 Limonene (5989-27-5) LC50 fish 1 EC50 Daphnia 1 EC50 Daphnia 1 EC50 Daphnia 1	: Very toxic to aquatic life with long lasting effects. Before neutralisation, the product may represent a danger to aquatic organisms. : Not classified : Very toxic to aquatic life with long lasting effects. 7) 3.9 mg/l 4.7 mg/l 48 mg/l 6.5 mg/l - 33 mg/l 0.1 - 1 mg/l
SECTION 12: Ecological information 12.1. Toxicity Ecology - general Acute aquatic toxicity Chronic aquatic toxicity Rosemary Essential Oil (84604-14-8 / 8000-25-LC50 fish 1 EC50 Daphnia 1 P-Cymene (99-87-6) LC50 fish 1 EC50 Daphnia 1 Limonene (5989-27-5) LC50 fish 1 EC50 Daphnia 1 Erc50 (algae) 12.2. Persistence and degradability Cineole (470-82-6)	: Very toxic to aquatic life with long lasting effects. Before neutralisation, the product may represent a danger to aquatic organisms. : Not classified : Very toxic to aquatic life with long lasting effects. 7) 3.9 mg/l 4.7 mg/l 48 mg/l 6.5 mg/l - 33 mg/l 0.1 - 1 mg/l 0.1 - 1 mg/l

Not established. May cause long-term adverse effects in the environment.

Beta-Pinene (127-91-3)	
Persistence and degradability	Not established. May cause long-term adverse effects in the environment.
Camphene (79-92-5)	
Persistence and degradability	Not established. May cause long-term adverse effects in the environment.
beta-Caryophyllene (87-44-5)	
Persistence and degradability	Not established.
p-Cymene (99-87-6)	
Persistence and degradability	Not established. May cause long-term adverse effects in the environment.
Terpinolene (586-62-9)	
Persistence and degradability	Not established. May cause long-term adverse effects in the environment.
gamma-Terpinene (99-85-4)	
Persistence and degradability	Not established.
3-Carene (13466-78-9)	
Persistence and degradability	Not established.
resolution and degradating	r of Company
Limonene (5989-27-5)	
Persistence and degradability	Not established. May cause long-term adverse effects in the environment.
alpha-Terpineol (10482-56-1 / 98-55-5)	
Persistence and degradability	Not established.
12.3. Bioaccumulative potential	
Rosemary Essential Oil (84604-14-8 / 8000-25-7 Log Pow	2.74
Log row	2.74
Cineole (470-82-6)	
Bioaccumulative potential	Not established.
Alpha-Pinene (80-56-8 / 7785-26-4)	
Bioaccumulative potential	Not established.
Beta-Pinene (127-91-3)	N 183 . 1
Bioaccumulative potential	Not established.
Camphene (79-92-5)	
Bioaccumulative potential	Not established.
hoto Cowonbullers (97.44.5)	
beta-Caryophyllene (87-44-5) Bioaccumulative potential	Not established.
2.70x200xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	p to communicati
p-Cymene (99-87-6)	

Rioaccumulativa notantial	Not actablished
Bioaccumulative potential	Not established.

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Terpinolene (586-62-9)	
Bioaccumulative potential	Not established.

gamma-Terpinene (99-85-4)	
Bioaccumulative potential	Not established.

3-Carene (13466-78-9)	
Bioaccumulative potential	Not established.

Limonene (5989-27-5)	
Bioaccumulative potential	Not established.

alpha-Terpineol (10482-56-1 / 98-55-5)	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional Information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Disposal must be done according to official regulations.

Additional information : Flammable vapours may accumulate in the container.

SECTION 14: Transport information

SECTION 14: Transport i	niormation			
n accordance with ADR / RID / IMDG / IATA / ADN				
ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 1169	UN 1169	UN 1169	UN 1169	UN 1169
14.2. UN proper shipping	name			
EXTRACTS, AROMATIC, LIQUID	EXTRACTS, AROMATIC, LIQUID	Extracts, aromatic, liquid	EXTRACTS, AROMATIC, LIQUID	EXTRACTS, AROMATIC, LIQUID
Transport document descri	ption			
UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III, MARINE POLLUTANT/ENVIRONME NTALLY HAZARDOUS	UN 1169 Extracts, aromatic, liquid, 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard cl	ass(es)			
3	3	3	3	3
		4^^	4^^	
\3/	\3/	\3/	\3/	\3/
14.4. Packing group	14.4. Packing group			
III	III	III	III	III

14.5. Environmental haza	rds			
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary information	n available			
14.6. Special precautions	for user			

Rosemary Essential Oil	
Overland transport	
Classification code (ADR)	
Special provisions (ADR)	F4
Limited quantities (ADR)	F1
Excepted quantities (ADR)	601
Packing instructions (ADR)	51
Mixed packing provisions (ADR)	E1
Portable tank and bulk container instructions	P001, IBC03, LP01, R001
(ADR)	MP19
Portable tank and bulk container special provisions (ADR)	T2
Tank code (ADR)	TP1
Vehicle for tank carriage	LGBF
Transport category (ADR)	FL
Special provisions for carriage - Packages (ADR)	
Special provisions for carriage - Operation (ADR)	3 V12
Hazard identification number (Kemler No.)	\$2 \$2
Orange plates	30
	30
	<u>30</u>
Tunnel restriction code (ADR)	1169
EAC code	D/E
Transport by sea	3YE
Special provisions (IMDG)	316
Limited quantities (IMDG)	
Excepted quantities (IMDG)	223, 955
Packing instructions (IMDG)	5 L
IBC packing instructions (IMDG)	E1
Tank instructions (IMDG)	P001, LP01
Tank special provisions (IMDG)	IBC03
EmS-No. (Fire)	T2
EmS-No. (Spillage)	TP1
Stowage category (IMDG)	F-E
Properties and observations (IMDG)	S-D
Air transport	A
PCA Excepted quantities (IATA)	Usually consist of alcoholic solutions. Miscibility with water depends upon the composition.
PCA Limited quantities (IATA)	
PCA limited quantity max net quantity (IATA)	E1
PCA packing instructions (IATA)	Y344
PCA max net quantity (IATA)	10L
CAO packing instructions (IATA)	355
CAO max net quantity (IATA)	60L
Special provisions (IATA)	366
ERG code (IATA)	220L
Inland waterway transport	A3
Classification code (ADN)	3L
Special provisions (ADN)	
Limited quantities (ADN)	
Excepted quantities (ADN)	F1
Equipment required (ADN)	601
, , ,	5 L
	E1
	PP, EX, A

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830		
Ventilation (ADN)	VE01	
Number of blue cones/lights (ADN)	0	
Rail transport Classification code (RID)	F1	
Special provisions (RID)	601	
Excepted quantities (RID)	E1	

P001, IBC03, LP01, R001 Packing instructions (RID) Mixed packing provisions (RID) MP19 T2 Portable tank and bulk container instructions (RID) Portable tank and bulk container special provisions TP1

(RID)

Tank codes for RID tanks (RID) **LGBF** Transport category (RID) 3 Special provisions for carriage - Packages (RID) W12 Colis express (express parcels) (RID) CE4 Hazard identification number (RID) 30

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Rosemary Essential Oil is not on the REACH Candidate List

Rosemary Essential Oil is not on the REACH Annex XIV List

Rosemary Essential Oil is not subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Rosemary Essential Oil is not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Flam. Sol. 1	Flammable solids, Category 1
Flam. Sol. 2	Flammable solids, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 2	Specific target organ toxicity — Single exposure, Category 2
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.
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.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.