



ROSEWOOD OIL

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 5/12/2014 Revision date: 2/8/2016

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Version: 1.2

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

1.1. Product identifier

Product form	: Substance
Substance name	: ROSEWOOD OIL
EC no	: 281-093-7
CAS No	: 83863-32-5 / 8015-77-8
Synonyms	: CAS USA : 8015-77-8
Product group	: Essential oil

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

1.2.1. Relevant identified uses

Main use category	: Industrial use
Industrial/Professional use spec	: Industrial For professional use only

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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82-300 Elbląg
NIP 578 311 91
Email: etja@etja.pl

1.4. Emergency telephone number

112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Sensitisation — Skin, Category 1	H317
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412

Full text of H statements : see section 16

2.2. Label elements

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

Hazard pictograms (CLP)



GHS07

Signal word (CLP)

: Warning

Hazard statements (CLP)

: H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H412 - Harmful to aquatic life with long lasting effects

**Precautionary statements (CLP)**

: P261 - Avoid breathing fume, gas, dust, vapours
P273 - Avoid release to the environment
P280 - Wear protective gloves, protective clothing, eye protection
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention

P337+P313 - If eye irritation persists: Get medical advice/attention
P501 - Dispose of contents/container to contents/container to agreed companies according to national regulations

Child-resistant fastening

: No

Tactile warning

: No

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients**3.1. Substance**

Name : ROSEWOOD OIL
CAS No : 83863-32-5 / 8015-77-8
EC no : 281-093-7

Name	Product identifier	%
LINALOOL	(CAS No) 78-70-6 (EC no) 201-134-4	70 - 90
ALPHA-TERPINEOL	(CAS No) 98-55-5 (EC no) 202-680-6	2 - 7
LINALOOL OXIDE	(CAS No) 1365-19-1 (EC no) 215-723-9	1 - 4
EUCALYPTOL	(CAS No) 470-82-6 (EC no) 207-431-5	0 - 3
GERANIOL	(CAS No) 106-24-1 (EC no) 203-377-1	0.5 - 2.5
D-LIMONENE	(CAS No) 5989-27-5 (EC no) 227-813-5 (EC index no) 601-029-00-7	0 - 2
BENZYL BENZOATE	(CAS No) 120-51-4 (EC no) 204-402-9 (EC index no) 607-085-00-9	0.2 - 1.6

Full text of H-statements: see section 16

3.2. Mixture

Not applicable

SECTION 4: First aid measures**4.1. Description of first aid measures**

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Allow breathing of fresh air. Allow the victim to rest.

First-aid measures after skin contact : Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see ... on this label). If skin irritation or rash occurs:

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries after inhalation : May cause an allergic skin reaction.

Symptoms/injuries after skin contact : Causes skin irritation.

Symptoms/injuries after eye contact : Causes serious eye irritation.

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

No additional information available

SECTION 5: Firefighting measures



5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing Fumes, vapours.
Hygiene measures : Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat sources. Keep container closed when not in use.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.
Maximum storage period : 24 months Shelf life to guarantee the quality and properties of the product; After this period, it is recommended to control organoleptic and physicochemical properties before using the raw material.
Storage temperature : 5 - 25 °C
Prohibitions on mixed storage : No specific measures are necessary.
Storage area : Store in a well-ventilated place. Keep away from any flames or sparking source. Keep in the dark. Store away from heat.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

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8.2. Exposure controls

Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear protective gloves
Eye protection	: Chemical goggles or safety glasses
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Wear appropriate mask
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid mobile. Clear.
Colour	: Colourless. light yellow.
Odour	: characteristic. sweet. woody.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 200 °C
Flash point	: 67 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0.87 - 0.887
Solubility	: Poorly soluble in water. Solubility in ethanol.
Log Pow	: No data available
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

Refractive index	: 1.462 - 1.469
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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

ROSEWOOD OIL (83863-32-5 / 8015-77-8)	
LD50 oral rat	3200 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LINALOOL (78-70-6)	
LD50 oral rat	2790 mg/kg
LD50 oral	3120 mg/kg LD50 oral mouse
LD50 dermal rabbit	5610 mg/kg
LINALOOL OXIDE (1365-19-1)	
LD50 oral rat	1750 mg/kg
LD50 dermal rabbit	2500 mg/kg
EUCALYPTOL (470-82-6)	
LD50 oral rat	2480 ml/kg
GERANIOL (106-24-1)	
LD50 oral rat	3600 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

BENZYL BENZOATE (120-51-4)	
LD50 oral rat	1700 mg/kg
LD50 oral	1400 mg/kg LD50 oral mouse
LD50 dermal rat	4000 mg/kg
LD50 dermal rabbit	4000 mg/kg
LD50, mammalian, acute, oral, rabbit, systemic	= 1680 mg/kg
LD50, mammalian, acute, oral, Guinea pig, systemic	= 1121 mg/kg
D-LIMONENE (5989-27-5)	
LD50 oral rat	4400 mg/kg

LD50 dermal rabbit	> 5000 mg/kg
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
	Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
	Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
	Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified
	Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	Not classified
	Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
	Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Marine pollutant category 1

Ecology - water

: Harmful to aquatic life with long lasting effects.

LINALOOL (78-70-6)

LC50 fish 1	27.8 mg/l EC 50 (fish : rainbow trout) : - 96h
LC50 other aquatic organisms 1	88.3 mg/l <i>Desmodesmus subspicatus</i> (green algae) - 96h
EC50 Daphnia 1	59 mg/l EC50 48h - <i>Daphnia magna</i> [mg/l]
NOEC chronic fish	3.5 mg/l <i>Oncorhynchus mykiss</i> (Rainbow trout)- 96h
NOEC chronic crustacea	25 mg/l daphnia - 48h

EUCALYPTOL (470-82-6)

LC50 fish 1	102 mg/l <i>Pimephales promela</i> (fathead minnow) - 96H
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GERANIOL (106-24-1)

LC50 fish 1	env. 22 mg/l <i>Brachydanio rerio</i> (zebra-fish) - 96h
EC50 Daphnia 1	10.8 mg/l EC50 48h - <i>Daphnia magna</i> [mg/l]
EC50 other aquatic organisms 1	13.1 mg/l <i>Desmodesmus subspicatus</i> (green algae) -72h

BENZYL BENZOATE (120-51-4)

LC50 fish 2	4.8 mg/l Scud (<i>Gammarus fasciatus</i>) 96h
LC50 other aquatic organisms 1	9.8 mg/l Scud (<i>Gammarus fasciatus</i>) 24h

D-LIMONENE (5989-27-5)

LC50 fish 1	0.702 mg/l <i>Pimephales promela</i> (fathead minnow) -96h
EC50 Daphnia 1	69.6 daphnia - 48h

12.2. Persistence and degradability

ROSEWOOD OIL (83863-32-5 / 8015-77-8)

Persistence and degradability	May cause long-term adverse effects in the environment.
LINALOOL (78-70-6)	
Persistence and degradability	Readily biodegradable. Not established.

LINALOOL (78-70-6)

Biodegradation	100 % 13 DAYS- ZAHN-WELLENS TEST OECD N° 302 B
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ALPHA-TERPINEOL (98-55-5)

Persistence and degradability	Not established.
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LINALOOL OXIDE (1365-19-1)

Persistence and degradability	Not established.
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GERANIOL (106-24-1)

Persistence and degradability	Readily biodegradable. Not established.
Biodegradation	80 - 100 % aérobic, Exposure duration 3 days

BENZYL BENZOATE (120-51-4)

Persistence and degradability	May cause long-term adverse effects in the environment.
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D-LIMONENE (5989-27-5)

Persistence and degradability	May cause long-term adverse effects in the environment.
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12.3. Bioaccumulative potential

ROSEWOOD OIL (83863-32-5 / 8015-77-8)

Bioaccumulative potential	Not established.
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LINALOOL (78-70-6)

Log Pow	2.97
Bioaccumulative potential	Not established.

ALPHA-TERPINEOL (98-55-5)

Bioaccumulative potential	Not established.
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LINALOOL OXIDE (1365-19-1)

Bioaccumulative potential	Not established.
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GERANIOL (106-24-1)

Log Pow	2.5 at 25 °C
Bioaccumulative potential	Not established.
BENZYL BENZOATE (120-51-4)	
Log Kow	3.97
Bioaccumulative potential	Not established.
D-LIMONENE (5989-27-5)	
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

Additional information : Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to ...

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
 Marine pollutant : No
 Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport
 No data available
 - Transport by sea
 No data available
 - Air transport
 No data available
 - Inland waterway transport
 No data available
 - Rail transport
 No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable SECTION 15: Regulatory information

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions
 ROSEWOOD OIL is not on the REACH Candidate List
 Contains no substance on the REACH candidate list
 ROSEWOOD OIL is not on the REACH Annex XIV List
 Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany
 VwVwS Annex reference
 :
 Water hazard class (WGK) 3, severe hazard to waters
 12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV
 :

Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:

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
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
H226	Flammable liquid and vapour
H302	Harmful if swallowed



H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
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
H412	Harmful to aquatic life with long lasting effects