

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Tea Tree Essential Oil K0457

Version: 1

Section 1. Identification of the substance or the mixture and of the supplier

1.1 Product Identifier

Product identifier: Tea Tree Essential Oil; CAS: 68647-73-4

Other identifiers: Melaleuca Alternifolia Leaf Oil

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

Product uses: Flavours, Fragrances

1.3 Details of the supplier of the safety data sheet

Company name: Nurme Looduskosmeetika OU

Company address: 45109
Taara pst 1 Estonia

Tapa

Contact: Jimmy Karp, CEO

E-Mail address: info@nurme.eu

Company phone: +372 5199 4494

1.4 Emergency telephone number

Emergency phone: +372 626 9378 (Poison Information Centre, Estonia, 24/7)
Short number within Estonia: 16662
Company phone (business hours): +372 5199 4494

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Classification under Regulation (EC) No 1272/2008

Class and category of danger:

Flammable Liquid, Hazard Category 3

Acute Toxicity - Oral Category 4

Skin Corrosion / Irritation Category 2

Eye Damage / Irritation Category 2

Sensitization - Skin Category 1

Toxic to Reproduction Category 2

Specific Target Organ Toxicity (Single Exposure) Category 3 Aspiration Hazard Category 1

Hazardous to the Aquatic Environment - Long-term Hazard Category 2 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.

Nurme Looduskosmeetika OU, Taara pst 1, Tapa, 45109, Estonia

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

H319, Causes serious eye irritation.
H336, May cause drowsiness or dizziness.
H361, Suspected of damaging fertility or the unborn child (exposure route).
H411, Toxic to aquatic life with long lasting effects.

2.2 Label elements

Classification under Regulation (EC) No 1272/2008

Signal word: Danger

Hazard statements:

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.
H319, Causes serious eye irritation.
H336, May cause drowsiness or dizziness.
H361, Suspected of damaging fertility or the unborn child (exposure route). H411, Toxic to aquatic life with long lasting effects.

M factor: None

Supplemental Information: None

Precautionary statements:

P202, Do not handle until all safety precautions have been read and understood. P210, Keep away from heat, sparks, open flames and hot surfaces. - No smoking. P240, Ground/bond container and receiving equipment.
P241, Use explosion-proof electrical, ventilating and lighting equipment. P242, Use only non-sparking tools.
P243, Take precautionary measures against static discharge.
P261, Avoid breathing vapour or dust.
P264, Wash hands and other contacted skin thoroughly after handling. P270, Do not eat, drink or smoke when using this product.
P271, Use only outdoors or in a well-ventilated area.
P272, Contaminated work clothing should not be allowed

out of the workplace. P273, Avoid release to the environment.
P280, Wear protective gloves/eye protection/face protection.
P301/310, IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303/361/353, IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304/340, IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Nurme Looduskosmeetika OU, Taara pst 1, Tapa, 45109, Estonia

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Tea Tree Essential Oil K0457

Version: 1

P308/313, IF exposed or concerned: Get medical advice/attention.
P312, Call a POISON CENTRE or doctor/physician if you feel unwell.
P330, Rinse mouth.
P331, Do not induce vomiting.
P333/313, If skin irritation or rash occurs: Get medical advice/attention.
P337/313, If eye irritation persists: Get medical advice/attention.
P362, Take off contaminated clothing and wash before reuse.
P370/378, In case of fire: Use carbon dioxide, dry chemical, foam for extinction.

P391, Collect spillage.
P403/233/235, Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P405, Store locked up.
P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.



**Pictograms:
hazards**

2.3 Other

Other hazards: Hydrocarbon Concentration %: 59.0200%

Section 3. Composition / information on ingredients

3.1 Substances

Product identifier: Tea Tree Essential Oil; CAS: 68647-73-4

Contains:

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008	Specific Conc. Limits, M- factors and ATEs
4-Carvomenthenol	562-74-3	209-235-5		20-<50%	Acute Tox. 4- AcuteTox. 4-Skin Irrit. 2-Skin Sens. 1- STOT SE 3; H302- H315-H317- H332- H336,-	inhalation: ATE = 1.5mg/l (dusts or mists)- dermal: ATE = 2500 mg/kg bw-oral: ATE = 1300 mg/kg bw
p-Mentha-1,4-diene	99-85-4	202-794-6		20-<50%	Flam. Liq. 3-Repr. 2-Asp. Tox 1- Aquatic Chronic 2;H226-H304- H361-H411,-	oral: ATE = 3650 mg/kg bw
p-Mentha-1,3-diene	99-86-5	202-795-1		10-<20%	Flam. Liq. 3-Acute Tox.4-Skin Sens. 1- Asp. Tox 1-Aquatic Chronic 2;H226- H302-H304- H317- H411,-	oral: ATE = 1680 mg/kg bw

Nurme Looduskosmeetika OU, Taara pst 1, Tapa, 45109, Estonia
Page 4 (11)



Issue date: 29/08/2024

Version: 1 (29/08/2024)

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Tea Tree Essential Oil K0457

Version: 1

p-Cymene	99-87-6	202-796-7		5-<10%	Flam. Liq. 3-Acute Tox.3-Repr. 2-Asp. Tox 1- Aquatic Chronic 2; H226- H304-H331- H361- H411,-	inhalation: ATE = 9.7 mg/l (vapour)- oral: ATE = 4750 mg/kg bw
Eucalyptol	470-82-6	207-431-5		5-<10%	Flam. Liq. 3-Skin Sens.1B;H226- H317,-	oral: ATE = 2480 mg/kg bw

alpha-Terpineol	98-55-5	202-680-6		5-<10%	Skin Irrit. 2-Eye Irrit. 2;H315-H319,-	oral: ATE = 4300 mg/kg bw
alpha-Pinene	80-56-8	201-291-9		1-<5%	Flam. Liq. 3-Acute Tox.4-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1- Aquatic Acute 1- Aquatic Chronic 1; H226-H302-H304- H315-H317-H410,-	M = 1-M = 1-oral: ATE = 500 mg/kg bw
Terpinolene	586-62-9	209-578-0		1-<5%	Skin Sens. 1B-Asp.Tox 1-Aquatic Acute 1- Aquatic Chronic 1; H304-H317-H410,-	M = 1-M = 1-oral: ATE = 3775 mg/kg bw
d-Limonene	5989-27-5	227-813-5		1-<5%	Flam. Liq. 3-Skin Irrit.2-Skin Sens. 1B-Asp. Tox 1- Aquatic Acute 1- Aquatic Chronic 3; H226-H304-H315-H317-H400-H412,-	M = 1
Myrcene	123-35-3	204-622-5		0.1-<1%	Flam. Liq. 3-Skin Irrit.2-Eye Irrit. 2-Asp. Tox 1-Aquatic Acute 1- Aquatic Chronic 2; H226-H304-H315- H319-H400-H411,-	M = 1
alpha-Phellandrene	99-83-2	202-792-5		0.1-<1%	Flam. Liq. 3-Skin Sens.1-Asp. Tox 1- Aquatic Acute 1- Aquatic Chronic 1;H226-H304- H317-H410,-	M = 1-M = 1
beta-Pinene	127-91-3	204-872-5		0.1-<1%	Flam. Liq. 3-Skin Irrit.2-Skin Sens. 1B-Asp. Tox 1- Aquatic Acute 1- Aquatic Chronic 1; H226-H304-H315-H317-H410,-	M = 1-M = 1

Section 4. First-aid measures

4.1 Description of first aid measures

Inhalation: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Eye exposure: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin exposure: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

Ingestion: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. **4.2 Most**

important symptoms and effects, both acute and delayed

Harmful if swallowed.

May be fatal if swallowed and enters airways.

Nurme Looduskosmeetika OU, Taara pst 1, Tapa, 45109, Estonia
Page 5 (11)



Issue date: 29/08/2024

Version: 1 (29/08/2024)

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Tea Tree Essential Oil K0457

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

May cause drowsiness or dizziness.

Suspected of damaging fertility or the unborn child (exposure route).

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and

6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

6.4 Reference to other sections:

Also refer to sections 8 and 13.

Section 7. Handling and storage

7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

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

Nurme Looduskosmeetika OU, Taara pst 1, Tapa, 45109, Estonia

Page 6 (11)



Issue date: 29/08/2024

Version: 1 (29/08/2024)

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Tea Tree Essential Oil K0457

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool.

7.3 Specific end use(s):

Flavours, Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits: Not Applicable

8.2 Exposure Controls

Eye / Skin Protection

Wear protective gloves/eye protection/face protection

Respiratory Protection

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State/Colour: Liquid, colourless to pale yellow

Odour: Characteristic

Odour threshold: Not determined

Melting point / freezing point: Not determined

Boiling point or initial boiling point and boiling range: Not determined

Flammability: Not determined

Lower and upper explosion limit: Not determined

Flash point: 56 °C

Auto-ignition temperature: Not determined

Decomposition temperature: Not relevant

pH: Not determined

Kinematic viscosity: Not determined

Solubility: Not determined

Partition coefficient: n-octanol/water (log value): Not determined

Nurme Looduskosmeetika OU, Taara pst 1, Tapa, 45109, Estonia
Page 7 (11)



Issue date: 29/08/2024

Version: 1 (29/08/2024)

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Tea Tree Essential Oil K0457

Vapour pressure: Not determined

Density and/or relative density: 0.8820 - 0.9060

Relative vapour density: Not determined

Particle characteristics: Not determined

9.2 Other information: None available

Section 10. Stability and reactivity

10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

10.2 Chemical stability:

Good stability under normal storage conditions.

10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

10.4 Conditions to avoid:

Avoid extreme heat.

10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

10.6 Hazardous decomposition products:

Not expected.

Section 11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute Toxicity: Acute Toxicity - Oral Category 4

Acute Toxicity Oral 1640

Acute Toxicity Dermal >5000

Acute Toxicity Inhalation 3.01

Skin corrosion/irritation: Skin Corrosion / Irritation Category 2

Serious eye damage/irritation: Eye Damage / Irritation Category 2

Respiratory or skin sensitisation: Sensitization - Skin Category 1

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:** Toxic to Reproduction Category 2

STOT-single exposure: Specific Target Organ Toxicity (Single Exposure) Category 3 **STOT-repeated**

exposure: Based on available data the classification criteria are not met. **Aspiration hazard:** Aspiration Hazard Category 1

Information about hazardous ingredients in the mixture

Nurme Looduskosmeetika OU, Taara pst 1, Tapa, 45109, Estonia

Page 8 (11)



Issue date: 29/08/2024

Version: 1 (29/08/2024)

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Tea Tree Essential Oil K0457

Version: 1

Ingredient	CAS	EC	LD50/ATE Oral (mg/kg)	LD50/ATE Dermal (mg/kg)	LC50/ATE Inhalation	LC50 Route
4-Carvomenthenol	562-74-3	209-235-5	1300	2500	1.5	Dust/mist mg/l
p-Cymene	99-87-6	202-796-7	4750	Not available	9.7	Vapour mg/l
p-Mentha-1,3-diene	99-86-5	202-795-1	1680	Not available	Not available	Not available

Refer to Sections 2 and 3 for additional information.

11.2 Information on other hazards

Not Applicable

Section 12. Ecological information

12.1 Toxicity:

Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability: Not available

12.3 Bioaccumulative potential: Not available

12.4 Mobility in soil: Not available

12.5 Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Endocrine disrupting properties: Not Applicable

12.7 Other adverse effects: Not available

Section 13. Disposal considerations

13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport information

	14.1 UN number or ID number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class (es):	Sub Risk:	14.4 Packing Group:
UN Model Regulations	UN1197	EXTRACTS, LIQUID	3	-	III
IMDG	UN1197	EXTRACTS, LIQUID (alpha-Pinene) MARINE POLLUTANT	3	-	III
ADR,RID,ADN	UN1197	EXTRACTS, LIQUID	3	-	III
ICAO TI	UN1197	EXTRACTS, LIQUID	3	-	III

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Tea Tree Essential Oil K0457

Version: 1

14.5 Environmental hazards: This is classified as an environmentally hazardous substance under the UN Model Regulations. This is classified as a Marine Pollutant under the IMDG Code.

14.6 Special precautions for user: None additional

14.7 Maritime transport in bulk according to IMO instruments:

Not applicable

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture None additional

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

Section 16. Other information

Concentration % Limits: SCI 2=16.32% SS 1=2.00% REP 2=10.03% STO-SE 3(NE)=40.08% AH 1=16.94% EH C2=20.05% EH C3=2.00% EH C4=41.46%

Total Fractional Values: SCI 2=6.13 SS 1=49.90 REP 2=9.97 STO-SE 3(NE)=2.50 AH 1=5.90 EH C2=4.99 EH C3=49.99 EH C4=2.41

Key to revisions:

Not applicable

Key to abbreviations:

Abbreviation	Meaning
Acute Tox. 3	Acute Toxicity - Inhalation Category 3
Acute Tox. 4	Acute Toxicity - Oral Category 4
Acute Tox. 4	Acute Toxicity - Inhalation Category 4
Aquatic Acute 1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
Aquatic Chronic 2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2
Aquatic Chronic 3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
Asp. Tox 1	Aspiration Hazard Category 1
Eye Irrit. 2	Eye Damage / Irritation Category 2
Flam. Liq. 3	Flammable Liquid, Hazard Category 3
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.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.

Nurme Looduskosmeetika OU, Taara pst 1, Tapa, 45109, Estonia
Page 10 (11)



Issue date: 29/08/2024
Version: 1 (29/08/2024)

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Tea Tree Essential Oil K0457

Version: 1

H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child (exposure route).
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.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.

P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301/312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308/313	IF exposed or concerned: Get medical advice/attention.
P311	Call a POISON CENTRE or doctor/physician.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P330	Rinse mouth.
P331	Do not induce vomiting.
P332/313	If skin irritation occurs: Get medical advice/attention.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P337/313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370/378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403/233/235	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P403/235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Nurme Looduskosmeetika OU, Taara pst 1, Tapa, 45109, Estonia

Page 11 (11)

Issue date: 29/08/2024

Version: 1 (29/08/2024)



SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Tea Tree Essential Oil K0457

Version: 1

P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
------	--

Repr. 2	Toxic to Reproduction Category 2
STOT SE 3	Specific Target Organ Toxicity (Single Exposure) Category 3
Skin Irrit. 2	Skin Corrosion / Irritation Category 2
Skin Sens. 1	Sensitization - Skin Category 1
Skin Sens. 1B	Sensitization - Skin Category 1B

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.