

SAFETY DATA SHEET

according to Regulation (EU) 2020/878 of 18 June 2020

TAMMER



Rento Sauna Scent 10ml Eucalyptus

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Revision: 25.10.2022

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

1.1. Product identifier

Product name: **Rento Sauna Scent 10ml Eucalyptus**

Substance: Eucalyptus globulus oil

CAS 8000-48-4

EC: 283-406-2

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

Identified uses: Fragrance / parfum

Uses advised against: undefined

1.3. Details of the supplier of the safety data sheet

Tammer Brands Oy

PL 107

33101 Tampere - Finland

Puh.: +358 3 2521 111 -

Faksi: +358 3 2521 350

tammertukku@tammertukku.fi

www.tammertukku.fi

1.4. Emergency telephone number

European emergency number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq.3

H226 Flammable liquid and vapour.

Skin Irrit. 2

H315 Causes skin irritation.

Skin Sens. 1

H317 May cause an allergic skin reaction.

Asp. Tox. 1

H304 May be fatal if swallowed and enters airways.

Aquatic Chronic 2

H411 Toxic to aquatic life with long lasting effects.

2.2. Label elements

Labeling according to Regulation (EC) No 1272/2008

Signal word

DANGER

Pictograms



Substances to be listed on the label

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Eucalyptol
 (R)-p-mentha-1,8-diene
 pin-2(3)-ene
 Terpinene Gamma
 p-Cymene
 Terpinolene
 pin-2(10)-ene
 alpha-Terpinenes
 Linalool

Hazard statements

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

General

P102 Keep out of reach of children.

Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P264 Wash hands and face thoroughly after handling.

P273 Avoid release to the environment.

Response

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

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

P331 Do NOT induce vomiting.

Storage

P405 Store locked up.

Removal

P501 Dispose of contents/container to: in accordance with local regulation.

2.3. Other hazards

No data

SECTION 3: Composition/information on ingredients

3.1. Substances - not applicable

3.2. Mixtures

Chemical character: UVCB substance

Name of substance	Identifier	Classification 1272/2008		% weight
Eucalyptol	Index: --	Flam. Liq. 3	H226	80-90
[1,8-Cineole]	CAS: 470-82-6	Skin Sens. 1	H317	
	EC: 207-431-5			

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(R)-p-mentha-1,8-diene [D-limonene]	Index: 601-029-00-7 CAS: 5989-27-5 EC: 227-813-5	Flam. Liq. 3 Skin Irrit. 2 Skin Sens. 1B Asp. Tox. 1 Aquatic Acute 1 Aquatic Chronic 1 M=1	H226 H315 H317 H304 H400 H410	1-10
Terpinene Gamma	Index: -- CAS: 99-85-4 EC: 202-794-6	Flam. Liq. 3 Asp. Tox. 1	H226 H304	1-10
p-Cymene ^[1]	Index: 601-094-00-1 CAS: 99-87-6 EC: 202-796-7	Flam. Liq. 3 Acute Tox. 3 Asp. Tox. 1 Aquatic Chronic 2	H226 H331 H304 H411	1-10
pin-2(3)-ene	Index: -- CAS: 80-56-8 EC: 201-291-9	Flam. Liq. 3 Skin Irrit. 2 Skin Sens.1 Asp. Tox. 1	H226 H315 H317 H304	1-10
p-mentha-1,5-diene	Index: -- CAS: 99-83-2 EC: 202-792-5	Flam. Liq. 3 Asp. Tox. 1	H226 H304	0,1-1
Myrcene	Index: -- CAS: 123-35-3 EC: 204-622-5	Flam. Liq. 3 Asp. Tox. 1	H226 H304	0,1-1
Terpinolene	Index: -- CAS: 586-62-9 EC: 209-578-0	Flam. Liq. 3 Asp. Tox. 1 Skin Sens. 1B Aquatic Chronic 1	H226 H304 H317 H410	0,1-1
pin-2(10)-ene [beta-Pinene]	Index: -- CAS: 127-91-3 EC: 204-872-5	Flam. Liq. 3 Skin Irrit. 2 Skin Sens.1B Asp. Tox. 1	H226 H315 H317 H304	0,1-1
(E)-3,7-dimethylocta-1,3,6-triene	Index: -- CAS: 3779-61-1 EC: 223-241-5	Flam. Liq. 3 Asp.Tox.1 Skin Irrit. 2 Aquatic Acute 1 Aquatic Chronic 2	H226 H304 H315 H400 H411	0,1-1
Terpineol	Index: -- CAS: 8000-41-7 EC: 232-268-1	Skin Irrit. 2 Eye Irrit. 2	H315 H319	0,1-1
p-mentha-1,3-diene ^[1] [alpha-Terpinene]	Index: 601-095-00-7 CAS: 99-86-5 EC: 202-795-1	Flam. Liq. 3 Acute Tox. 4 Skin Sens. 1 Asp. Tox. 1 Aquatic Chronic 2	H226 H302 H317 H304 H411	0,1-1
p-menth-1-en-4-ol	Index: -- CAS: 562-74-3 EC: 209-235-5	Acute Tox. 4 Skin Irrit. 2 Eye Irrit. 2	H302 H315 H319	0,1-1

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Linalool	Index: 603-235-00-2 CAS: 78-70-6 EC: 201-134-4	Skin Irrit. 2 Skin Sens. 1B Eye Irrit. 2	H315 H317 H319	0,1-1
Notes The full meaning of the risk phrases H included in the section 16 ^[1] Specific concentration limits, ATE CAS: 99-87-6 inhalation: ATE = 3 mg/l (vapours) CAS: 99-86-5 oral: ATE = 1680 mg/kg bw ^[2] Substance for which there are national occupational exposure limit values ^[3] Substance with a Union workplace exposure limit ^[4] SVHC: substances included in the list established in accordance with Article 59 (1)				

SECTION 4: First aid measures	
4.1. Description of first aid measures	
Inhalation Remove person to fresh air and keep comfortable for breathing. Ensure warmth and calm. Provide medical assistance if necessary.	
Ingestion Do not induce vomiting. Rinse mouth. If unconscious – do not give the person anything to swallow. Transport the injured person to a hospital if necessary.	
Eye contact Remove contact lenses. Rinse contaminated eyes with lukewarm water for 10-15 minutes with the eyelids rolled back. Avoid strong water stream - risk of cornea damage. Provide medical assistance if necessary.	
Skin contact Remove contaminated clothing immediately. Clean contaminated skin, wash with plenty of water, then wash with water and mild soap. If skin irritation persists, consult a doctor.	
4.2. Most important symptoms and effects, both acute and delayed	No data available
4.3. Indication of any immediate medical attention and special treatment needed	Symptomatic treatment. First aid supplies should be available on the workplace premises.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media Alcohol-resistant foam, carbon dioxide CO ₂ , fire-extinguisher powders, dispersed water	
Unsuitable extinguishing media Do not direct dense jets of water onto the surface of a burning product.	
5.2. Special hazards arising from the substance or mixture	Flammable liquid and vapour.
Combustion products	Toxic thermal decomposition products, as well as carbon monoxide and carbon dioxide (CO _x), may be

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generated during combustion.

Explosive mixtures

Not applicable

5.3. Advice for firefighters

Use standard firefighting methods for extinguishing chemical fires.

Use water to cool containers exposed to high temperatures, and if possible, remove them from the area affected.

Use water spray jets to disperse vapours.

Fire-fighter protective equipment

Full personal protective equipment.

Self-contained breathing equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid contact with eyes and skin. Wear appropriate protective equipment. Keep all persons not equipped with personal protection equipment away.

In case of a discharge of a significant volume of the mixture, warn its users and order all bystanders to leave the contaminated area.

6.2. Environmental precautions

Prevent environmental contamination.

Protect drains.

In case of serious contamination of soil, watercourse or sewage system, notify the appropriate authorities.

6.3. Methods and material for containment and cleaning up

Secure any damaged packaging.

Ventilate the area affected and avoid inhaling vapours.

Collect mechanically and with absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite).

Place all contaminated mass collected in a substitute container and send it for disposal in accordance with the local regulations.

6.4. Reference to other sections

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Recommendations for handling the mixture

Provide adequate ventilation.

Avoid contact with eyes and skin.

Avoid inhaling product vapours/ aerosol.

General industrial health and safety regulations

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

Wash hands thoroughly after handling.

Replace contaminated clothing.

Wash contaminated clothing before reusing.

Guidance on fire and explosion prevention

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

Use explosion-proof electrical/ventilating/lighting/equipment.

Prevent accumulation of electrostatic charges.

Use non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities

Storage rooms must be ventilated.

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Keep container tightly closed.
Store in a dry and cool place.
Keep only in the original container.
Keep away from sunlight, as well as heat and ignition sources.
Do not store together with foodstuffs and animal feed.
Protect from humidity and water.
Protect against electrostatic charges.
No smoking. Stored away from oxidizing substances and strong bases and acids.
Recommended storage temperature: +0 : + 35°C
Do not handle until all safety precautions have been read and understood.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace

Name of the chemical agent	CAS	Limit values				Comments
		Long-term		Short-term		
		ppm	mg/m ³	ppm	mg/m ³	

8.2. Exposure controls

Appropriate engineering controls

Workstations and storage rooms must be well ventilated.

Individual protection measures

Eye or face protection

In case of danger, use safety goggles compliant with the EN 166 standard.

Skin protection



Hand protection

In case of danger, use chemical-resistant protective gloves compliant with the EN 374 standard.

Select glove material based on breakthrough time, rate of penetration and degradation.

It is recommended to change gloves regularly and immediately replace them if they have any signs of wear, damage (tears, holes) or their appearance changes (colour, flexibility, shape).

Apply protective cream on unprotected body parts.

Body protection

Suitable protective clothing.

The type of protective equipment must be selected based on the quantity and concentration of hazardous substances in the given work environment.

Respiratory protection

If proper ventilation is provided, respiratory protection equipment is not required.

In case of hazard due to the mixture vapours levels exceeding allowable levels in the air (e.g. due to ventilation failure), wear respiratory protection equipment.

Environmental exposure controls

Do not discharge into drains and groundwater.

General health and safety guidelines

Follow good personal hygiene practices.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	Transparent, colorless - yellow
Odour	Characteristic
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	No data available
Flammability	No data available
Lower and upper explosion limit	No data available
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
Kinematic viscosity	No data available
Solubility	No data available
Partition coefficient n-octanol/water (log value)	No data available
Vapour pressure	No data available
Density and/or relative density	0,905-0,930 g/cm ³
Relative vapour density	No data available
Particle characteristics	No data available

9.2. Other information

Information with regard to physical hazard classes	No data available
Other safety characteristics	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

The mixture is not chemically reactive if stored and used under proper conditions.

10.2. Chemical stability

The mixture is chemically stable if stored and used under proper conditions.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Direct heat sources.

10.5. Incompatible materials

strong acids, alkali or oxidizing agents

10.6. Hazardous decomposition products

Not present when handled as intended.

SECTION 11: Toxicological information

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

Acute toxicity

Based on available data, the classification criteria are not met.

8000-48-4 Eucalyptus globulus oil

Oral LD50 3,320 mg/kg (rat)

Dermal LD50 5000 mg/kg (rabbit)

Skin corrosion/irritation

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Causes skin irritation.

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

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

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2. Information on other hazards

Endocrine disrupting properties

No data

Other information

No data

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

No data

12.3. Bioaccumulative potential

No data

12.4. Mobility in soil

No data

12.5. Results of PBT and vPvB assessment

No data

12.6. Endocrine disrupting properties

No data

12.7. Other adverse effects

Do not allow to enter waters, waste water or soil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of in accordance with current regulations.

Hand over any used packaging to an authorised company for disposal or reuse.

Do not store along with municipal wastes.

Do not discharge into drains, sewage systems or surface waters.

Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

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14.1. UN number or ID number 14.2. UN proper shipping name 14.3. Transport hazard class(es) Label no. :	UN 1993 FLAMMABLE LIQUID, N.O.S. (Eucalyptol) 3   III Yes Danger code (Kemler): 30 EMS Number: F-E,S-E not applicable
14.4. Packing group 14.5. Environmental hazards 14.6. Special precautions for user 14.7. Maritime transport in bulk according to IMO instruments	

SECTION 15: Regulatory information	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	- Regulation (EC) No 1272/2008 (CLP) 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 (REACH). - REGULATION (EC) No 1907/2006 OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. - COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
15.2. Chemical safety assessment	No mixture chemical safety assessment has been carried out.

SECTION 16: Other information	
Full text of H-phrases mentioned in section 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. 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.	
Classification procedures according to Regulation (EC) 1272/2008 Classification based on calculation procedure. Abbreviations and Acronyms: ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road RID: Regulations Concerning the International Transport of Dangerous Goods by Rail IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)	

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ICAO: International Civil Aviation Organization
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 PP: Severe Marine Pollutant
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent

Note to readers

The product described in the safety data sheet should be stored and used in accordance with good industrial practices and in compliance with all applicable legal regulations.

The information contained in the safety data sheet is based on the current state of knowledge and is intended to describe the product in terms of health, safety and environmental regulations. It should not be considered a guarantee of any specific product properties.

We cannot make any representations or warranties regarding the accuracy or completeness of any information provided or the quality or specifications of any products, substances or mixtures discussed herein.

The user is responsible for creating conditions for the safe use of the product and for the consequences of its misuse.