

SAFETY DATA SHEET

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

TAMMER



Rento Natural sauna scent 100 ml Clear & crisp

Date of compilation: 11.02.2021

Revision: 14.07.2023

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

1.1. Product identifier

Product name: **Rento Natural sauna scent 100 ml Clear & crisp**

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

Application: sauna scents

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. 2

H225 Highly flammable liquid and vapour.

Eye Irrit. 2

H319 Causes serious eye irritation

Skin Sens. 1

H317 May cause an allergic skin reaction.

Aquatic Chronic 3

H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements

Labeling according to Regulation (EC) No 1272/2008

Pictograms:

DANGER

Signal word:



Substances to be listed on the label

1,8-Epoxy-p-menthane
d-limonene
alpha-Pinene

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Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.

Prevention

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

P233 Keep container tightly closed.

P273 Avoid release to the environment.

Response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

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

Storage

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

Disposal

P501 Dispose of contents / container in properly labeled waste containers in accordance with national regulations

2.3. Other hazards

This mixture does not contain substances that meet the criteria for PBT or vPvB in accordance with Annex XIII.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature: a mixture

Name of substance	Identifier	Classification 1272/2008		% weight
Ethanol ^[2]	Index: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43-XXXX	Flam. Liq. 2 Eye Irrit. 2	H225 H319	60 - 80
1,8-Epoxy-p-menthane [Eucalyptol]	Index: -- CAS: 470-82-6 EC: 207-431-5 REACH: 01-2119967772-24-XXXX	Flam. Liq. 3 Skin Sens. 1B	H226 H317	<1,2
(R)-p-Mentha-1,8-diene [d-limonene]	Index: 601-029-00-7 CAS: 5989-27-5 EC: 227-813-5 REACH: 01-2119519223-49-XXXX	Flam. Liq. 3 Asp. Tox. 1 Skin Irrit. 2 Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	H226 H304 H315 H317 H400 H410	<0,2

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alpha-Pinene

Index: --

CAS: 80-56-8

EC: 201-291-9

REACH:

01-2119519223-49-XXXX

Flam. Liq. 3

Acute Tox. 4

Asp. Tox. 1

Skin Irrit. 2

Skin Sens. 1

Aquatic Acute 1

Aquatic Chronic 1

M=1

M(Chronic)=1

H226

H302

H304

H315

H317

H400

H410

<0,2

Camphene

Index: --

CAS: 79-92-5

EC: 201-234-8

REACH:

01-2119446293-40-XXXX

Flam. Sol. 2

Eye Irrit. 2

Aquatic Acute 1

Aquatic Chronic 1

H228

H319

H400

H410

<0,15

Notes

The full meaning of the risk phrases H included in the chapter 16

^[1] Specific concentration limits, ATE

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^[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

If inhaled

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.

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.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Fire-fighting foam, carbon dioxide CO₂, fire-extinguisher powders, dispersed water

Use appropriate extinguishing media to extinguish fires in the vicinity.

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

Combustion products

Toxic thermal decomposition products, as well as carbon monoxide and carbon dioxide (CO_x), may be generated during combustion.

Explosive mixtures

Some components may form explosive mixtures with air under favourable thermal conditions.

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. Remove all sources of ignition. 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.

Risk of slipping on spilt product.

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 with non-combustible 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.

Rinse the contaminated surface with plenty of water.

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.

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Avoid contact with eyes and skin.

Avoid inhaling product vapours.

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.

In case of usage and/or insufficient ventilation, highly-explosive and flammable mixtures may form.

Prevent accumulation of electrostatic charges.

Use non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities

Storage rooms must be ventilated.

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.

Store under dry conditions and keep containers closed at 10°C-40°C

Protect against moisture.

Protect from frost.

Read the material safety data sheet.

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				Notation
		Long-term		Short-term		
		mg/m³	ppm	mg/m³	ppm	
Ethanol	64-17-5	1000	1920	-	-	

8.2. Exposure controls

Appropriate engineering controls

Workstations and storage rooms must be well ventilated to keep the dust/vapour concentrations in the air below their limit values.

Individual protection measures



Eye or face protection

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

Skin protection

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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

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

Respiratory protection

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 with a type A filter or universal filter (EN 141).

Environmental exposure controls

Do not discharge into drains and groundwater.

General health and safety guidelines

Follow good personal hygiene practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	Yellowish
Odour	Characteristic
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	78 °C
Flammability	No data available
Lower and upper explosion limit	No data available
Flash point	13 °C
Auto-ignition temperature	383 °C
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	790 - 810 kg/m ³ (20 °C)
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

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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

No data available

10.5. Incompatible materials

No data available

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.

Ethanol:

inhalation, rat: LC50 > 50 mg / l / 4h

skin, rabbit: LD50 - no data available

oral, rat: LD 6.2-15 g / kg bw

Skin corrosion/irritation

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

Serious eye damage/irritation

Causes serious eye irritation

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.

Ethanol:

Fertility:

NOAEL (oral, mouse) = 13.8 g / kg (OECD416 equiv.)

NOAEC (inhalation, rat) > 16,000 ppm

DEVELOPMENTAL TOXICITY (OECD414 equiv.)

NOAEL (oral) = 5.2 g / kg bw / day

NOAEC (inhalation) = 39 mg / l.

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

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

11.2. Information on other hazards

Endocrine disrupting properties

No data

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Other information

No data

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Ethanol:

Fish:

LC50 (96hr) Salmo gairdneri: 13g / L;

Pimephales promelas: 13.5, 14.2 and 15.3 g / l.

Freshwater invertebrates:

EC 50 (48hr) Daphnia Magna: 12.34 g / l; NOEC (reproduction, 21 days): > 10 mg / l.

Ceriodaphnia dubia: EC50 (48 hours): 5.012 g / l; NOEC (reproduction, 10 days): 9.6 mg / l.

Palaemonetes pugio NOEC (developmental, 10 days): 79 mg / l.

Marine invertebrates

EC 50 (24 hours) Artemia salina 23.9, > 10 g / l;

EC 50 (48hr) Artemia salina nauplii: 857 mg / l

Freshwater Algae:

Chlorellavulgaris, 72hr: EC50 275mg / l, EC10 11.5mg / l;

Selenastrum capricornutum, 72hr, EC50: 12.9g / l, EC10 = 0.44g / l;

Chlamydomonas eugametos, 48hr, EC50: 18g / l, NOEC = 7.9 g / l

Sea algae: Skeletonema costatum, NOEC (5 days): 3.24 g / l.

12.2. Persistence and degradability

Ethanol

BOD₂₀=84%. Substance is expected to degrade readily in sewage treatment plants. Ethanol is readily biodegradable.

12.3. Bioaccumulative potential

No data

12.4. Mobility in soil

If released to the environment it will partition to air and water. The product is poorly absorbed on to soil or sediments.

12.5. Results of PBT and vPvB assessment

This mixture does not contain substances that meet the criteria for PBT or vPvB in accordance with Annex XIII.

12.6. Endocrine disrupting properties

No data

12.7. Other adverse effects

No data

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.

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SECTION 14: Transport information		
14.1. UN number or ID number	UN 1170	
14.2. UN proper shipping name	ETHANOL	
14.3. Transport hazard class(es)	3	
Label no. :		
Classification code	F1	
14.4. Packing group	II	
14.5. Environmental hazards	No	
14.6. Special precautions for user	not applicable	
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	- 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 data

SECTION 16: Other information	
Full text of H-phrases mentioned in section 3: H225 Highly flammable liquid and vapour. 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. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. Changes: section 9 - completion of section on the basis of new data Abbreviations and Acronyms:	

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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)
 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.