

# SAFETY DATA SHEET

According to 2015/830/EC

## Rento Sauna Scent 10ml BIRCH

Printing date: 10.10.2017

Revision: 14.11.2018

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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 BIRCH**

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

Identified uses: Fragrance / parfum

Fragrance composition

#### 1.3. Details of the supplier of the safety data sheet

Tammer-Tukku Oy

PL 107

33101 Tampere - Finland

Puh.: +358 3 2521 111

Faksi: +358 3 2521 350

[tammertukku@tammertukku.fi](mailto:tammertukku@tammertukku.fi)

[www.tammertukku.fi](http://www.tammertukku.fi)

#### 1.4. Emergency telephone number

Poison Information Centre Helsinki, open 24 hours / day

+358 9 471 977 (direct); +358 9 4711 (switchboard)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

**Skin Irrit. 2**

**H315** Causes skin irritation.

**Eye Irrit. 2**

**H319** Causes serious eye 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:



Hazard statements

**H304** May be fatal if swallowed and enters airways

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**H315** Causes skin irritation.

**H319** Causes serious eye irritation.

**H317** May cause an allergic skin reaction.

**H411** Toxic to aquatic life with long lasting effects.

### Precautionary statements

**P102** Keep out of reach of children.

**P264** Wash hands and face thoroughly after handling.

**P273** Avoid release to the environment.

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

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

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

**P331** Do NOT induce vomiting.

**P405** Store locked up

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

### Additional information

**Contain:** Acetyl cedrene, beta – Caryophyllene, 4-tert-butylcyclohexyl acetate, Linalool, 3,4,5,6,6-pentamethylhept-3-en-2-one, Benzyl cinnamate, Eugenol, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, Hydrocarbons, terpene processing by-products, Eucalyptus globulus oil, 2-methyl-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-2-butenal

### 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 Mixture

Name of substance	Identifier	Classification 1272/2008	% weight	
Acetyl cedrene	CAS: 32388-55-9	Skin Sens.1	H317	10-15
	EC: 251-020-3	Aquatic Acute 1	H400	
		Aquatic Chronic 1	H410	
cis-hex-3-en-1-ol	CAS: 928-96-1	Flam. Liq. 3	H226	10-15
	EC: 213-192-8	Eye Irrit. 2	H319	
Terpineol	CAS: 8000-41-7	Skin Irrit. 2	H315	10-15
	EC: 232-268-1	Eye Irrit. 2	H319	
beta - Caryophyllene	CAS: 87-44-5	Asp. Tox. 1	H304	10-15
	EC: 201-746-1			
4-tert-butylcyclohexyl acetate	CAS: 32210-23-4	Skin Sens. 1	H317	5-10
	EC: 250-954-9			
3-phenylpropan-1-ol	CAS: 122-97-4	Skin Irrit. 2	H315	5-10
	EC: 204-587-6	Eye Irrit. 2	H319	
Linalool	Index: 603-235-00-2	Skin Irrit. 2	H315	1-2,5
	CAS: 78-70-6	Skin Sens. 1B	H317	
	EC: 201-134-4	Eye Irrit. 2	H319	
3,4,5,6,6-pentamethylhept-3-en-2-one	CAS: 81786-73-4	Skin Sens. 1	H317	2,5 – 5

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	EC: 279-822-9	Aquatic Chronic 2	H411	
Benzyl cinnamate	CAS: 103-41-3 EC: 203-109-3	Skin Sens. 1 Aquatic Chronic 2	H317 H411	2,5 – 5
Eugenol	CAS: 97-53-0 EC: 202-589-1	Skin Sens. 1 Eye Irrit. 2	H317 H319	1 – 2,5
Citronellyl acetate	CAS: 150-84-5 EC: 205-775-0	Skin Irrit. 2 Eye Irrit. 2 Aquatic Chronic 2	H315 H319 H411	1 – 2,5
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	CAS: 54464-57-2 EC: 259-174-3	Skin Irrit. 2 Skin Sens. 1 Aquatic Chronic 2	H315 H317 H411	1 – 2,5
Methyl salicylate	CAS: 119-36-8 EC: 204-317-7	Acute Tox. 4	H302	1 – 2,5
4-(4-hydroxyphenyl)butan-2-one	CAS: 5471-51-2 EC: 226-806-4	Acute Tox. 4	H302	1 – 2,5
Hydrocarbons, terpene processing by-products	CAS: 68956-56-9 EC: 273-309-3	Flam. Liq. 2 Asp. Tox. 1 Skin Irrit. 2 Skin Sens. 1B Eye Irrit. 2 Aquatic Chronic 2	H226 H304 H315 H317 H319 H411	0,1-1
Juniper, Juniperus mexicana, ext. [Cedarwood oil, Texas]	CAS: 91722-61-1 EC: 94-461-7	Asp. Tox. 1 Aquatic Acute 1 Aquatic Chronic 1	H304 H400 H410	0,1-1
Eucalyptus globulus oil	Index:-- CAS: 8000-48-4 EC: 283-406-2	Flam. Liq. 3 Skin Irrit. 2 Skin Sens. 1 Asp. Tox 1 Aquatic Chronic 2	H226 H315 H317 H304 H411	<0,1
2-methyl-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-2-butenal	CAS: 3155-71-3 EC: 221-579-6	Skin Sens. 1 Aquatic Chronic 2	H317 H411	<0,1

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

Remove victim from exposure, provide fresh air. Place victim in a reclining position. If breathing is difficult, give oxygen, in the absence of breath use artificial respiration. Seek medical advice immediately. Seek medical advice.

**Ingestion**

If victim is conscious and alert, give 2-3 glasses of water to drink. Do not induce vomiting. Seek immediate medical advice.

**Eye contact**

Immediately flush eyes with large amounts of water for at least 10 minutes while holding the eyelids open to ensure that the entire surface is flushed. Do not put any ointments, oils or medication.

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Seek medical advice.

#### **Skin contact**

Immediately wash with water and soap and rinse thoroughly. Wash contaminated clothing before reuse.

If irritation persists, seek medical attention.

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

No further relevant information available.

#### **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**

Water spray, sand, dry chemical or carbon dioxide.

Never use a direct water jet on burning material

#### **5.2. Special hazards arising from the substance or mixture**

In case of fire, the following can be released harmful gases: carbon oxides (CO, CO<sub>2</sub>).

##### **Explosive mixture**

Not applicable-non-explosive.

#### **5.3. Advice for firefighters**

Protective equipment: Wear self-contained respiratory protective device.

##### **Additional information**

Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

Do not inhale explosion gases or combustion gases.

Cool endangered receptacles with water spray.

##### **Firefighter Personal Protective Equipment**

Full protective equipment. Contained breathing apparatus.

### SECTION 6: Accidental release measures

#### **6.1. Personal precautions, protective equipment and emergency procedures**

##### **For non-emergency personnel**

Do not breathe vapor / aerosol. Ensure adequate ventilation.

##### **For emergency responders**

Wear protective equipment. Keep unprotected persons away.

Particular danger of slipping on leaked/spilled product.

Keep away from ignition sources.

Wear protective clothing.

#### **6.2. Environmental precautions**

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

#### **6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

Contaminated surface rinse with water with detergent.

#### **6.4. Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Provide adequate ventilation when handling the product.  
Avoid contact with skin and eyes  
Prevent formation of aerosols.  
Use personal protective equipment.  
Keep out of reach of children.

#### 7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly sealed.  
Store receptacle in a well ventilated area.  
Protect from humidity and water.  
Protect from exposure to the light.  
Store in a cool place.

#### 7.3. Specific end use(s)

No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

**Ingredients with limit values that require monitoring at the workplace:**

**Ingredients with limit values that require monitoring at the workplace**

Substance	CAS Number	Workplace exposure limit		Notation	
		Long-term exposure Limit (8-hr TWA reference period)	Short-term exposure limit (15 minute reference period)	ppm	mg.m <sup>-3</sup>
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#### 8.2. Exposure controls

**Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice.

**Personal protective equipment**

**General protective and hygienic measures**

Do not eat, drink, smoke or sniff while working.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.

**Eye protection**

recommended protective glasses

**Skin protection:**

recommended protective clothing

**Hand protection:**



The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/  
the chemical mixture.

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Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

#### Body Protection

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Other

At high concentration of substance wear full protective clothing made of material resistant to liquid substance and substance vapor.

#### Respiratory protection

Not required. Depending on concentration and quantity of hazardous substances handled: self contained breathing apparatus or gas mask with universal canister.

#### Environmental exposure controls

Do not allow to enter large amounts of product into ground water, sewage, waste water or soil.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance:</b>	Clear, Liquid
<b>Colour:</b>	Pale yellow
<b>Odour:</b>	Green, Spicy, Floral
<b>Odour threshold:</b>	Not applicable.
<b>pH:</b>	Not applicable.
<b>Melting / Freezing Point:</b>	No data available
<b>Initial boiling point and boiling range:</b>	No data available
<b>Flash point:</b>	62 °C
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid, gas):</b>	No data available
<b>Upper/lower flammability or explosive limits:</b>	No data available
<b>Vapour pressure:</b>	No data available
<b>Vapour density:</b>	No data available
<b>Relative density:</b>	0,932 – 0,942 g/cm <sup>3</sup>
<b>Solubility(ies):</b>	water: Not miscible or difficult to mix. alcohols: Fully miscible.
<b>Partition coefficient: n-octanol/water:</b>	Not applicable.
<b>Auto-ignition temperature:</b>	Product is not selfigniting.
<b>Decomposition temperature:</b>	Not applicable
<b>Viscosity:</b>	No data
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Oxidising properties:</b>	No oxidizing properties.

#### 9.2. Other safety information

<b>Refractive Index at 25 °C:</b>	1,4775 – 1,4845
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No further relevant information available.

#### 10.2. Chemical stability

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Under normal storage and use of the substance is chemically stable.

#### 10.3. Possibility of hazardous reactions

It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.

#### 10.4. Conditions to avoid

Direct heat sources.

#### 10.5. Incompatible materials

No further relevant information available.

#### 10.6. Hazardous decomposition products

Carbon Monoxide and Unidentified organic compounds may be formed during combustion.

### SECTION 11: Toxicological information

#### 11.1. Acute toxicity

##### Acute toxicity

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

##### 32388-55-9 Acetyl cedrene

Oral LD50 >5000 mg/kg (rat)

Dermal LD50 >2000 mg/kg (rat)

##### 125-12-2 ISOBORNYL ACETATE

Oral LD50 10000 mg/kg (rat)

Dermal LD50 20000 mg/kg (rabbit)

##### 81786-73-4 3,4,5,6,6-pentamethyl hept-3-en-2-one

Oral LD50 6100 mg/kg (rat)

Dermal LD50 >5000 mg/kg (rabbit)

##### 103-41-3 Benzyl cinnamate

Oral LD50 5530 mg/kg (rat)

##### Skin corrosion/irritation

Causes skin irritation.

##### Serious damage to the eyes / eye 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.

##### 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.

##### Routes of exposure

Inhalation, ingestion, skin contact, eye contact.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Toxic to aquatic life with long lasting effects.

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### 32388-55-9 Acetyl cedrene

LC50 96h mg/l (fish)

#### 12.2. Persistence and degradability

No further relevant information available

#### 12.3. Bioaccumulative potential

No further relevant information available

#### 12.4. Mobility in soil

No further relevant information available

#### 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. Other adverse effects

No further relevant information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Product:

Collect the product according to instructions and submit for disposal.

##### Waste of product:

communicate with the manufacturer of the product on the possibility of processing waste. If it's not possible, deliver it to utilization in plants permitted to waste collection, transport, waste recovery and disposal. Do not empty into drains. The product must be delivered to the appropriate landfill / area for waste storage or to the specialized waste incineration facility according to the local legislation.

### SEKCIJA 14: Transport information

14.1. UN number

ADR/RID  
3082

IMGD  
3082

IATA  
3082

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acetyl cedrene, ISOBORNYL ACETATE)

14.3. Transport hazard class(es)

9

9

9

Label no. 9



III

III

III

14.4. Packing group

14.5. Environmental hazards

yes

14.6. Special precautions for user

Danger code (Kemler): 90

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

EMS Number: F-A,S-F

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,



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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) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

#### 15.2. Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

#### SECTION 16: Other information

##### The importance of risk phrases 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.

##### Explanation of symbols and phrases referring hazardous substances contained in product:

Flam. Liq. 3 Flammable liquids, Hazard Category 3

Acute Tox. 4 (oral) Acute toxicity (swallowing) Hazard Category 4

Skin Irrit. 2 Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2 Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1B Skin Sensitizing, Hazard Category 1B

Asp. Tox. 1 Aspiration hazard, Hazard Category 1

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

##### Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EC: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

##### Note to readers

The information in this SDS is based on our current knowledge and the current legislation.

The product shall not, without first obtaining written Instructions for purposes other than those mentioned in Section 1 purpose be used. It is always the user's responsibility to ensure compliance with statutory Provisions to ensure.

The information in this Safety Data Sheet describing the safety requirements for our product.

##### Safety data sheet

Przedsiębiorstwo EKOS s.c.

80-266 Gdańsk, al. Grunwaldzka 205/209

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