

Date: 21.8.2012

Former date: 24.5.2012

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING****1.1 Product identifier**

Trade name Saunia Sauna scent Eucalyptus  
 Company product code -  
 REACH registration number -

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

The uses of the chemical Sauna scent  
 Classification of economic activities 20.5 C 3 Manufacture of other chemical products  
 Use categories (UC62) 36 Fragrances  
 The chemical can be used by the general public   
 The chemical is used by the general public only X

**1.3 Details of the supplier of the safety data sheet****Manufacturer, importer, other undertaking**

Manufactured for: Nikkarien OY

Street address Sarkatie 2  
 Post code and post office 01720 Vantaa  
 Post-office box  
 Post code and post office  
 Telephone +358 9 477 0150  
 e-mail address info@nikkarien.fi  
 Finnish Business ID (Y-code) FI05731312

**1.4 Emergency telephone number**

Poison Information Centre: Haartmaninkatu 4, 00290 Helsinki, 09-4711 or 09-471977

**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

Flam. liq. 2; H225: Highly flammable liquid and vapour.  
 Skin Sens. 1; H317: May cause an allergic skin reaction.  
 Eye Irrit. 2; H319: Causes serious eye irritation.  
 STOT SE 3; H336: May cause drowsiness or dizziness.  
 Aquatic Chronic 3; H412: Harmful to aquatic life with long lasting effects.

F, Xi N; R11, R36, R43, R67, R52/53

**2.2 Label elements****DANGER**

H225: Highly flammable liquid and vapour.  
 H317: May cause an allergic skin reaction.  
 H319: Causes serious eye irritation.  
 H336: May cause drowsiness or dizziness.  
 H412: Harmful to aquatic life with long lasting effects.

P273: Avoid release to the environment.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.  
P312: Call a POISON CENTER or doctor/physician if you feel unwell.  
P333+P313: If skin irritation or a rash occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists get medical advice/attention.  
P403+P233: Store in a well ventilated place. Keep container tightly closed.  
P501: Dispose of contents/container according to local legislation.

## 2.3 Other hazards

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## SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Hazardous ingredients

CAS/EC number and the registration number	Name of the ingredient	Concentration	Classification
CAS: 67-63-0	Isopropanol	50-65%	F; R11-36-67 Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
CAS: 138-86-3	Limonene	<2%	Xn, N; R10-38-43-65-50/53 Flam liq. 3; H226; Asp. Tox. 1; H304; Skin irrit. 2; H315; Skin sens. 1; H317; Aquatic acute 1; H400; Aquatic chronic 1; H410
CAS: 80-56-8	Pinenes	<2%	Xn, N; R10-43-65-50/53 Flam liq. 3; H226; Asp. Tox. 1; H304; Skin sens 1; H317; Aquatic acute 1; H400; Aquatic chronic 1; H411

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

In case of inhalation: take the patient to fresh air.  
Wash off from skin with plenty of water and soap. Take off soiled clothing.  
Rinse immediately from eyes with plenty of water and take the patient to the doctor's.  
In case of ingestion: Drink water, but remember NOT TO GIVE ANYTHING TO DRINK TO A UNCONSCIOUS PERSON. Contact a physician or poison information centre.

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

Skin contact may cause irritation.

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

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## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Powder, foam or carbon dioxide.

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

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### 5.3 Advice for firefighters

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Use appropriate protective clothing. Arrange for adequate ventilation. Keep away from heat/sparks/open flames/hot surfaces – No smoking.

**6.2 Environmental precautions**

Prevent significant amounts accessing to the drain.

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

Absorb to adequate material (sand etc.) and dispose according to the local legislation.

**6.4 Reference to other sections**

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**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

Use protective clothing, protective gloves and goggles. Arrange adequate ventilation. Keep away from heat/sparks/open flames/hot surfaces – No smoking. Take precautionary measures against static discharges.

**7.2 Conditions for safe storage, including any incompatibilities**

Tightly closed in cool, well ventilated room.

**7.3 Specific end use(s)**

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**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION****8.1 Control parameters****National occupational exposure limit values**

Isopropanol 200 ppm (8h), 250 ppm (15 min)

**Other limit values**

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**DNEL**

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**PNEC**

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**8.2 Exposure controls****Appropriate engineering controls**

Arrange adequate ventilation.

**Eye / face protection**

Wear appropriate protective goggles or mask if risk of splashes exist.

**Skin protection**

Protective clothing.

**Hand protection**

Material of protective gloves: PVA, nitrile or viton rubber.

**Respiratory protection**

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**Thermal hazards**

-

**Environmental exposure controls**

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

<b>Appearance</b>	Liquid
<b>Odour</b>	Characteristic
<b>Odour threshold</b>	-
<b>pH</b>	-
<b>Melting point / freezing point</b>	-
<b>Initial boiling point and boiling range</b>	82-83°C (Isopropanol)
<b>Flash point</b>	13 °C (Isopropanol)

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Evaporation rate	-
Flammability (solid, gas)	-
Upper / lower flammability or explosive limits	-
Vapour pressure	-
Vapour density	-
Relative density	-
Solubility(ies)	Isopropanol-water mixture dissolve perfectly in water, essential oil separates to surface. Essential oil and isopropanol dissolve in fat phase perfectly, water separates.
Partition coefficient: n-octanol/water	-
Auto-ignition temperature	-
Decomposition temperature	-
Viscosity	-
Explosive properties	-
Oxidising properties	-

## 9.2 Other information

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## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

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### 10.2 Chemical stability

Stabile under normal handling conditions.

### 10.3 Possibility of hazardous reactions

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### 10.4 Conditions to avoid

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### 10.5 Incompatible materials

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### 10.6 Hazardous decomposition products

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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

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#### Skin corrosion / irritation

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#### Serious eye damage / irritation

Irritates eyes seriously.

#### Respiratory or skin sensitisation

Skin contact may cause allergic reaction.

#### Germ cell mutagenicity

No mutagenic effects.

#### Carcinogenicity

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No carcinogenic effects.

**Reproductive toxicity**

No effects.

**STOT-single exposure**

May cause dizziness.

**STOT-repeated exposure**

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**Aspiration hazard**

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**Other information**

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**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity**

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**12.2 Persistence and degradability**

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**12.3 Bioaccumulative potential**

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**12.4 Mobility in soil**

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**12.5 Results of PBT and vPvB assessment**

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**12.6 Other adverse effects**

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**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

Dispose according to local legislation.

**SECTION 14: TRANSPORT INFORMATION**

**14.1 UN number**

1219

**14.2 UN proper shipping name**

Isopropyl alcohol

**14.3 Transport hazard class(es)**

33

**14.4 Packing group**

II

**14.5 Environmental hazards**

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**14.6 Special precautions for user**

Product is to be used **only** diluted to water 1:100. Other use is prohibited.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

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**SECTION 15: REGULATORY INFORMATION**

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

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**15.2 Chemical safety assessment**

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**SECTION 16: OTHER INFORMATION**

**Changes to previous version**

updated previous version dated 24.5.2012

**Explanation of abbreviations**

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### Sources of information

Material safety data sheets of raw materials, literature sources.

### Used method in classification

Corollary rules. Literature.

### List of R- and S- phrases or / and hazard and safety phrases

H225: Highly flammable liquid and vapour.

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.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

P273: Avoid release to the environment.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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P501: Dispose of contents/container according to local legislation.

R10 Flammable.

R11 Highly flammable.

R36 Irritating to eyes.

R38 Irritating to skin.

R43 May cause sensitisation by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R65 Harmful: may cause lung damage if swallowed.

R67 Vapours may cause drowsiness and dizziness.

### Training of employees. Työntekijöiden koulutus

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