

# Safety Data Sheet

## 1907/2006/EC, 1272/2008/EC

Printing date 06.10.2014

Revision: 06.10.2014

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

- **1.1 Product identifier**
- **Trade name:** Peppermint Aroma
- **Article number:** 60036
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:** For perfumes
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Medisana AG  
Jagenbergstr. 19, 41468 Neuss  
Tel: +49 (0)2131-3668-0  
Email: info@medisana.de
- **Only Representative / other EU contact point:**  
Eva Schwarz  
Medisana AG  
Jagenbergstr. 19, 41468 Neuss  
Tel: +49 (0)2131-3668-0
- **Further information obtainable from:** Medisana AG
- **1.4 Emergency telephone number:**  
GERMANY  
Clinical Toxicology and Berlin Poison Information Centre  
Tel: +49 030 19240
- **1.5 Reference Number:** HKIEQ14-00147, HKHC140900003174 - 103

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 3      H226 Flammable liquid and vapour.



GHS05 corrosion

Eye Dam. 1      H318 Causes serious eye damage.



GHS07

Skin Irrit. 2      H315 Causes skin irritation.

Skin Sens. 1      H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **Prevention:**

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

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

- **Response:**

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

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

Immediately call a POISON CENTER/doctor.

- **Disposal:**

Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 2)

# Safety Data Sheet

## 1907/2006/EC, 1272/2008/EC


Printing date 06.10.2014

Revision: 06.10.2014


Trade name: **Peppermint Aroma**

(Contd. of page 1)

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

 Xi; Irritant

R36: Irritating to eyes.

 Xi; Sensitising

R43: May cause sensitisation by skin contact.

R10-52/53: Flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of Directive 67/548/EEC, 1999/45/EC and Regulation 1272/2008/EC.

· **Classification system:**

The classification is according to the EU Directive 67/548/EEC, 1999/45/EC and Regulation 1272/2008/EC, and extended by company and literature data.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



GHS02    GHS05    GHS07

· **Signal word Danger**

· **Hazard-determining components of labelling:**

cineole

(R)-p-mentha-1,8-diene

· **Hazard statements**

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

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

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

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

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

P310 Immediately call a POISON CENTER/doctor.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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(Contd. on page 3)

# Safety Data Sheet

## 1907/2006/EC, 1272/2008/EC

Printing date 06.10.2014

Revision: 06.10.2014

Trade name: Peppermint Aroma

(Contd. of page 2)

### SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:**

Mixture of substances listed below with nonhazardous additions.

For the wording of the listed risk phrases refer to section 16.

· **Hazardous components:**

CAS: 25265-71-8 EINECS: 246-770-3	oxydipropanol substance with a Community workplace exposure limit	20,0%
CAS: 470-82-6 EINECS: 207-431-5	cineole ☒ Xi R37/38-41 R10 ----- ☠ Flam. Liq. 3, H226; ☠ Eye Dam. 1, H318; ☠ Skin Irrit. 2, H315; STOT SE 3, H335	8,0%
CAS: 89-78-1 EINECS: 201-939-0	menthol ☒ Xn R22 ----- ☠ Acute Tox. 4, H302	8,0%
CAS: 5989-27-5 EINECS: 227-813-5 Index number: 601-029-00-7	(R)-p-mentha-1,8-diene ☒ Xi R38; ☒ Xi R43; ☠ N R50/53 R10 ----- ☠ Flam. Liq. 3, H226; ☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ☠ Skin Irrit. 2, H315; Skin Sens. 1, H317	2,0%
CAS: 14073-97-3 EINECS: 237-926-1	L-menthan-3-one ☒ Xn R22 ----- ☠ Acute Tox. 4, H302	1,0%
CAS: 115-95-7 EINECS: 204-116-4	linalyl acetate ☒ Xi R36/37/38; ☠ N R51/53 ----- ☠ Aquatic Chronic 2, H411; ☠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	1,0%
CAS: 126-73-8 EINECS: 204-800-2 Index number: 015-014-00-2	tributyl phosphate ☒ Xn R22-40; ☒ Xi R38 Carc. Cat. 3 ----- ☠ Carc. 2, H351; ☠ Acute Tox. 4, H302; Skin Irrit. 2, H315	0,05%
CAS: 532-32-1 EINECS: 208-534-8	sodium benzoate ☒ Xi R36 ----- ☠ Eye Irrit. 2, H319	0,1%

· **Non-hazardous components:**

CAS: 9005-67-8	Sorbitan monostearate, ethoxylated	20,0%
CAS: 7732-18-5 EINECS: 231-791-2	water, distilled, conductivity or of similar purity	39,85%

### SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** If symptoms persist consult doctor.

· **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

(Contd. on page 4)

# Safety Data Sheet

## 1907/2006/EC, 1272/2008/EC

Printing date 06.10.2014

Revision: 06.10.2014

**Trade name: Peppermint Aroma**

(Contd. of page 3)

- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Use Personal Protective equipment recommended in section 8.
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
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).  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents
- **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.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **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:**

25265-71-8 oxydipropanol (20%)

AGW (Germany)

Long-term value: 100 E mg/m<sup>3</sup>  
2(II);DFG, H, Y, 11

(Contd. on page 5)

# Safety Data Sheet

## 1907/2006/EC, 1272/2008/EC

Printing date 06.10.2014

Revision: 06.10.2014

**Trade name: Peppermint Aroma**

(Contd. of page 4)

<b>5989-27-5 (R)-p-mentha-1,8-diene (2%)</b>	
AGW (Germany)	Long-term value: 28 mg/m <sup>3</sup> , 5 ppm 4(II);DFG, H, Sh, Y
<b>126-73-8 tributyl phosphate (0,05%)</b>	
WEL (Great Britain)	Short-term value: 5 mg/m <sup>3</sup> Long-term value: 5 mg/m <sup>3</sup>
AGW (Germany)	Long-term value: 11 mg/m <sup>3</sup> , 1 ppm 2 (II);DFG, Y, H, 11
VME (France)	Long-term value: 2,5 mg/m <sup>3</sup> , 0,2 ppm C2

- **DNELs** not available
- **PNECs** not available

· **Additional information:** The lists valid during the making were used as basis.

### · 8.2 Exposure controls

Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.

#### · **Appropriate engineering controls**

- 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.
- Avoid contact with the eyes and skin.
- See section 7 for information about design of technical facilities.

#### · **Personal protective equipment:**

##### · **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

##### · **Protection of hands:**



Protective gloves

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.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

##### · **Material of gloves**

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.

##### · **Eye protection:**



Tightly sealed goggles

(Contd. on page 6)

# Safety Data Sheet

## 1907/2006/EC, 1272/2008/EC

Printing date 06.10.2014

Revision: 06.10.2014

Trade name: *Peppermint Aroma*

(Contd. of page 5)

- **Environmental exposure controls:**  
Control measures must be made in accordance with Community environmental protection legislation.

### SECTION 9: Physical and chemical properties

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

##### · Appearance:

Form:	Oily Liquid
Colour:	Colourless
Odour:	Peppermint
Odour threshold:	Not available

· pH-value: Not available

##### · Change in condition

Melting point/Melting range:	Not available
Boiling point/Boiling range:	Not available
Freezing point:	Not available

· Flash point: Not available

· Flammability (solid, gaseous): Not available

· Auto-ignition temperature: Not available

· Decomposition temperature: Not available

· Self-igniting: Not available

· Explosive properties: Not available

##### · Explosion limits:

Lower:	Not available
Upper:	Not available

· Oxidizing properties: Not available

· Vapour pressure: Not available

· Density: Not available

· Relative density: Not available

· Vapour density: Not available

· Evaporation rate: Not available

· Solubility in / Miscibility with water: Not available

· Partition coefficient (n-octanol/water): Not available

##### · Viscosity:

Dynamic:	Not available
Kinematic:	Not available

· 9.2 Other information: No further relevant information available.

### SECTION 10: Stability and reactivity

- 10.1 Reactivity: No decomposition if used according to specifications.
- 10.2 Chemical stability: Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions: No dangerous reactions known.
- 10.4 Conditions to avoid: No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.

(Contd. on page 7)

# Safety Data Sheet

## 1907/2006/EC, 1272/2008/EC

Printing date 06.10.2014

Revision: 06.10.2014

Trade name: **Peppermint Aroma**

(Contd. of page 6)

- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

#### 470-82-6 cineole

Oral	LD50	2480 mg/kg (rat)
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#### 5989-27-5 (R)-p-mentha-1,8-diene

Oral	LD50	4400 mg/kg (rat)
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#### 115-95-7 linalyl acetate

Oral	LD50	10000 mg/kg (rat)
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Dermal	LD50	5610 mg/kg (rabbit)
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#### 126-73-8 tributyl phosphate

Oral	LD50	3000 mg/kg (rat)
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- **Primary irritant effect:**

- **on the skin:** Irritating effect possible

- **on the eye:** Irritating effect possible

- **Sensitisation:** Sensitization possible through skin contact in some sensitive individuals

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method based on the EU Directives 67/548/EEC, 1999/45/EC and Regulation 1272/2008/EC:

Irritant

- **Toxicokinetics, metabolism and distribution** Not available

- **Acute effects (acute toxicity, irritation and corrosivity)** Not available

- **Repeated dose toxicity** Not available

### SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **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.

- **Remark:** Harmful to fish

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

- **12.7 Additional ecological information:**

- **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Harmful to aquatic organisms

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation:**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 8)

# Safety Data Sheet

## 1907/2006/EC, 1272/2008/EC

Printing date 06.10.2014


Revision: 06.10.2014

Trade name: *Peppermint Aroma*

(Contd. of page 7)

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

<ul style="list-style-type: none"> <li>· <b>14.1 UN-Number</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>	UN1993	
<ul style="list-style-type: none"> <li>· <b>14.2 UN proper shipping name</b></li> <li>· <b>ADR</b></li> <li>· <b>IMDG, IATA</b></li> </ul>	1993 FLAMMABLE LIQUID, N.O.S. (cineole, DIPENTENE) FLAMMABLE LIQUID, N.O.S. (cineole, DIPENTENE)	
<ul style="list-style-type: none"> <li>· <b>14.3 Transport hazard class(es)</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>	<div style="text-align: center;">  </div> <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>	3 Flammable liquids. 3
<ul style="list-style-type: none"> <li>· <b>14.4 Packing group</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>	III	
<ul style="list-style-type: none"> <li>· <b>14.5 Environmental hazards:</b></li> <li>· <b>Marine pollutant:</b></li> </ul>	No	
<ul style="list-style-type: none"> <li>· <b>14.6 Special precautions for user</b></li> <li>· <b>Danger code (Kemler):</b></li> <li>· <b>EMS Number:</b></li> </ul>	Warning: Flammable liquids. 30 F-E,S-E	
<ul style="list-style-type: none"> <li>· <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b></li> </ul>	Not applicable.	
<ul style="list-style-type: none"> <li>· <b>14.8 Transport/Additional information:</b></li> </ul>		
<ul style="list-style-type: none"> <li>· <b>ADR</b></li> <li>· <b>Limited quantities (LQ)</b></li> <li>· <b>Excepted quantities (EQ)</b></li> <li>· <b>Transport category</b></li> <li>· <b>Tunnel restriction code:</b></li> </ul>	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml 3 D/E	
<ul style="list-style-type: none"> <li>· <b>IMDG</b></li> <li>· <b>Limited quantities (LQ)</b></li> <li>· <b>Excepted quantities (EQ)</b></li> </ul>	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml	
<ul style="list-style-type: none"> <li>· <b>UN "Model Regulation":</b></li> </ul>	UN1993, FLAMMABLE LIQUID, N.O.S. (cineole, DIPENTENE), 3, III	

EU

(Contd. on page 9)



# Safety Data Sheet

## 1907/2006/EC, 1272/2008/EC

Printing date 06.10.2014

Revision: 06.10.2014

Trade name: **Peppermint Aroma**

(Contd. of page 8)

### SECTION 15: Regulatory information

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

##### · MAK (German Maximum Workplace Concentration)

126-73-8	tributyl phosphate	4
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##### · National regulations:

##### · Other regulations, limitations and prohibitive regulations

##### · SVHC Candidate List of REACH Regulation Annex XIV Authorisation (16/6/2014)

None of the ingredients is listed.

##### · REACH Regulation Annex XVII Restriction (8/5/2014)

None of the ingredients is listed.

##### · REACH Regulation Annex XIV Authorization List (14/8/2014)

None of the ingredients is listed.

#### · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

#### · Relevant phrases

- H226 Flammable liquid and vapour.  
 H302 Harmful if swallowed.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.  
 H351 Suspected of causing cancer.  
 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.
- R10 Flammable.  
 R22 Harmful if swallowed.  
 R36 Irritating to eyes.  
 R36/37/38 Irritating to eyes, respiratory system and skin.  
 R37/38 Irritating to respiratory system and skin.  
 R38 Irritating to skin.  
 R40 Limited evidence of a carcinogenic effect.  
 R41 Risk of serious damage to eyes.  
 R43 May cause sensitisation by skin contact.  
 R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

\*\*\*\*\*  
 The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008, Regulation (EU) No 453/2010 and EU Commission Directive 1999/45/EC, 67/548/EEC

#### DISCLAIMER OF LIABILITY

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(Contd. on page 10)

# Safety Data Sheet

## 1907/2006/EC, 1272/2008/EC

Printing date 06.10.2014

Revision: 06.10.2014

**Trade name: Peppermint Aroma**

(Contd. of page 9)

**· 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*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified 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*

*Flam. Liq. 3: Flammable liquids, Hazard Category 3*

*Acute Tox. 4: Acute toxicity, Hazard Category 4*

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

*Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1*

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

*Skin Sens. 1: Sensitisation - Skin, Hazard Category 1*

*Carc. 2: Carcinogenicity, Hazard Category 2*

*STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3*

*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*

*Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3*

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