

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.04.2022

Version number 5 (replaces version 4)

Revision: 06.04.2022

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

· 1.1 Product identifier

· **Trade name:** Beurer by Taoasis Harmony

· **UFI:** QC00-60HN-0009-GVF6

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

No further relevant information available.

· **Application of the substance / the mixture** Air freshener

· 1.3 Details of the supplier of the safety data sheet

· **Manufacturer/Supplier:**

TAOASIS GmbH

Am Duftgarten 1

D-32791 Lage

+49 5232 6904 600

www.taoasis.de

E-Mail of competent person: sven.rosendahl@clc-gmbh.com

Distribution:

BEURER GmbH

Soeflinger Strasse 218

D-89077 Ulm / Germany

Tel.: +49 731 3989 267

· **Further information obtainable from:** Product safety department

· **1.4 Emergency telephone number:** tel: +49 5232 6904 600 (between 8 a.m. and 5 p.m.)

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

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



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



GHS07

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.

· 2.2 Label elements

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

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

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· Hazard pictograms

GHS02 GHS07 GHS08 GHS09

· Signal word Danger**· Hazard-determining components of labelling:***(R)-p-mentha-1,8-diene (LIMONENE)**linalool**isoeugenol (ISOEUGENOL)**linalyl acetate (LINALYL ACETATE)**alpha-Pinene (PINENE)**Citral (CITRAL)***· Hazard statements***H225 Highly flammable liquid and vapour.**H315 Causes skin irritation.**H319 Causes serious eye irritation.**H317 May cause an allergic skin reaction.**H304 May be fatal if swallowed and enters airways.**H410 Very toxic 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.**P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.**P273 Avoid release to the environment.**P280 Wear protective gloves.**P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/manufacturer**P331 Do NOT induce vomiting.**P302+P352 IF ON SKIN: Wash with plenty of soap and 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.**P405 Store locked up.**P501 Dispose of contents/container to an authorised waste disposal contractor or licensed local authority disposal / landfill site.***· Labelling of packages where the contents do not exceed 125 ml****· Hazard pictograms**

GHS02 GHS07 GHS08 GHS09

· Signal word Danger**· Hazard-determining components of labelling:***(R)-p-mentha-1,8-diene (LIMONENE)**linalool**isoeugenol (ISOEUGENOL)**linalyl acetate (LINALYL ACETATE)**alpha-Pinene (PINENE)**Citral (CITRAL)***· Hazard statements***H317 May cause an allergic skin reaction.**H304 May be fatal if swallowed and enters airways.***· Precautionary statements***P101 If medical advice is needed, have product container or label at hand.*

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P102 Keep out of reach of children.

P280 Wear protective gloves.

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

P331 Do NOT induce vomiting.

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

P405 Store locked up.

P501 Dispose of contents/container to an authorised waste disposal contractor or licensed local authority disposal / landfill site.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:**

The mixture does not contain any PBT (PBT: persistent, bioaccumulative, toxic) substance or does not fulfil criteria for PBT according to annex XIII of regulation (EC) 1907/2006 (< 0,1 %).

vPvB:

The mixture does not contain any vPvB (vPvB: very persistent, very bioaccumulative) substance or does not fulfil criteria for vPvB according to annex XIII of regulation (EC) 1907/2006 (< 0,1 %).

Determination of endocrine-disrupting properties

The mixture does not contain any substance with endocrine disrupting properties (< 0,1 %).

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Blend of alcohol and essential oils

Dangerous components:

CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43	ethanol Flam. Liq. 2, H225 Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2; H319: C ≥ 50 %	50-<65%
CAS: 5989-27-5 EINECS: 227-813-5 Index number: 601-029-00-7 Reg.nr.: 01-2119529223-47	(R)-p-mentha-1,8-diene (LIMONENE) Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Skin Irrit. 2, H315; Skin Sens. 1B, H317	30-<40%
CAS: 123-35-3 EINECS: 204-622-5 Reg.nr.: 01-2119514321-56	7-methyl-3-methylenoocta-1,6-diene (MYRCENE) Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400; Aquatic Chronic 2, H411 Skin Irrit. 2, H315; Eye Irrit. 2, H319	0.1-<1%
CAS: 78-70-6 EINECS: 201-134-4 Reg.nr.: 01-2119474016-42	linalool Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	0.1-<1%
CAS: 99-85-4 EINECS: 202-794-6 Reg.nr.: 01-2120780478-40	p-mentha-1,4-diene Flam. Liq. 3, H226 Repr. 2, H361; Asp. Tox. 1, H304 Aquatic Chronic 2, H411	0.1-<1%
CAS: 115-95-7 EINECS: 204-116-4 Reg.nr.: 01-2119454789-19	linalyl acetate (LINALYL ACETATE) Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	0.1-<0.5%

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CAS: 80-56-8 EINECS: 201-291-9 Reg.nr.: 01-2119519223-49	alpha-Pinene (PINENE)  Flam. Liq. 3, H226  Asp. Tox. 1, H304  Aquatic Acute 1, H400; Aquatic Chronic 1, H410  Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	0.1-<0.5%
CAS: 5392-40-5 EINECS: 226-394-6 Index number: 605-019-00-3 Reg.nr.: 01-2119462829-23	Citral (CITRAL)  Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	0.1-<0.25%
CAS: 97-54-1 EINECS: 202-590-7 Index number: 604-094-00-X	isoeugenol (ISOEUGENOL)  Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1A, H317; STOT SE 3, H335 Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.01 %	0.001-<0.01%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

- **General information:** If symptoms persist consult doctor.
- **After inhalation:** Fresh air. If pain persists, get medical attention.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Immediately flush eyes with plenty of water with lids lifted. If symptoms persist, seek medical advice.
- **After swallowing:**
Do NOT induce vomiting. Aspiration hazard!
Rinse mouth with water (only if person is not unconscious) and get immediate medical attention.
- **Information for doctor:** Aspiration into the lungs may cause chemical pneumonitis which can be fatal.

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

Headache
Nausea

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

If swallowed or in case of vomiting, danger of entering the lungs.
Later observation for pneumonia and pulmonary oedema.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· For safety reasons unsuitable extinguishing agents: Full water jet

· 5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon monoxide (CO)

· 5.3 Advice for firefighters

· Protective equipment:

Do not inhale explosion gases or combustion gases.
Wear self-contained respiratory protective device.

· Additional information

Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

- Ensure adequate ventilation

- Wear protective equipment. Keep unprotected persons away.

- Keep away from ignition sources.

- **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:**

- Ensure adequate ventilation.

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

- Dispose contaminated material as waste according to item 13.

- **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**

- Observe the usual precautionary measures for handling chemicals.

- Avoid contact with eyes and skin.

- Keep receptacles tightly sealed.

- Observe use instructions.

- **Information about fire - and explosion protection:**

- Keep ignition sources away - Do not smoke.

- Protect from heat.

- Protect against electrostatic charges.

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

- **Storage:**

- **Requirements to be met by storerooms and receptacles:** Provide solvent resistant, sealed floor.

- **Information about storage in one common storage facility:**

- Observe regulations / technical rules for the assembly of flammable liquids.

- Store away from oxidising agents.

- **Further information about storage conditions:**

- Store in dry conditions at 10 - 25 °C.

- Store under lock and key and out of the reach of children.

- **Storage class:** 3 (Germany)

- **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:**

- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

- **8.2 Exposure controls**

- **Appropriate engineering controls** No further data; see item 7.

- **Individual protection measures, such as personal protective equipment**

- **General protective and hygienic measures:**

- Observe the usual precautionary measures for handling chemicals.

- Avoid contact with the eyes and skin.

- Immediately remove all soiled and contaminated clothing

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*Wash hands before breaks and at the end of work.***· Respiratory protection:***Not necessary if room is well-ventilated.**Use suitable respiratory protective device in case of insufficient ventilation.***· Recommended filter device for short term use: Filter A****· Hand protection***The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.**Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation**Protective gloves according EN 374.**Check the permeability prior to each anewed use of the glove.***· Material of gloves***Butyl rubber, BR**Recommended thickness of the material: ≥ 0.5 mm**Penetration time: ≥ 480 minutes (Permeation according to EN 374 Part 3: Level 6)**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.**The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.***· Eye/face protection** *Safety glasses***· Body protection:** *Protective work clothing*

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties**· General Information****· Physical state***Liquid***· Colour:***Yellowish***· Odour:***Specific type***· Odour threshold:***Not determined.***· Melting point/freezing point:***Not determined.***· Boiling point or initial boiling point and boiling range** *> 78 °C***· Flammability***Not applicable.***· Lower and upper explosion limit****· Lower:***Not determined.***· Upper:***Not determined.***· Flash point:** *~ 13 °C***· Decomposition temperature:***Not determined.***· pH***Not determined.***· Viscosity:****· Kinematic viscosity***Not determined.***· Dynamic:***Not determined.***· Solubility****· water:***Not miscible or difficult to mix.***· Partition coefficient n-octanol/water (log value)***Not determined.***· Vapour pressure:***Not determined.***· Density and/or relative density****· Density at 20 °C:** *~ 0.82 g/cm³***· Relative density***Not determined.***· Vapour density***Not determined.*

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· Relative gas density	<i>Not determined.</i>
· Particle characteristics	<i>Not applicable.</i>
· 9.2 Other information	
· Appearance:	
· Form:	<i>Liquid</i>
· Important information on protection of health and environment, and on safety.	
· Auto-ignition temperature:	<i>Product is not selfigniting.</i>
· Explosive properties:	<i>Product is not explosive. However, formation of explosive air/vapour mixtures are possible.</i>
· Solvent content:	
· Organic solvents:	<i>50-<65 %</i>
· Solids content:	<i>Not determined.</i>
· Change in condition	
· Softening point/range	
· Oxidising properties	<i>Not applicable.</i>
· Evaporation rate	<i>Not determined.</i>
· Information with regard to physical hazard classes	
· Explosives	<i>Void</i>
· Flammable gases	<i>Void</i>
· Aerosols	<i>Void</i>
· Oxidising gases	<i>Void</i>
· Gases under pressure	<i>Void</i>
· Flammable liquids	<i>Highly flammable liquid and vapour.</i>
· Flammable solids	<i>Void</i>
· Self-reactive substances and mixtures	<i>Void</i>
· Pyrophoric liquids	<i>Void</i>
· Pyrophoric solids	<i>Void</i>
· Self-heating substances and mixtures	<i>Void</i>
· Substances and mixtures, which emit flammable gases in contact with water	<i>Void</i>
· Oxidising liquids	<i>Void</i>
· Oxidising solids	<i>Void</i>
· Organic peroxides	<i>Void</i>
· Corrosive to metals	<i>Void</i>
· Desensitised explosives	<i>Void</i>

SECTION 10: Stability and reactivity

- **10.1 Reactivity** *No further relevant information available.*
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
Keep away from sources of ignition.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
- **10.3 Possibility of hazardous reactions**
Reaction with strong oxidizing agents.
Reacts with strong acids.
- **10.4 Conditions to avoid** *Do not heat. Protect from sun light. Keep away from sources of ignition.*
- **10.5 Incompatible materials:** *strong oxidizing agents*
- **10.6 Hazardous decomposition products:** *No dangerous decomposition products known.*

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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.

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

64-17-5 ethanol

Oral	LD50	10,470 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4 h	117-125 mg/l (rat) (OECD 403)

5989-27-5 (R)-p-mentha-1,8-diene (LIMONENE)

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)

78-70-6 linalool

Oral	LD50	2,790 mg/kg (rat)
Dermal	LD50	5,610 mg/kg (rabbit)
Inhalative	LC50/4 h	50,000 mg/l (rat)

115-95-7 linalyl acetate (LINALYL ACETATE)

Oral	LD50	14,550 mg/kg (rat)
Dermal	LD50	5,610 mg/kg (rabbit)

80-56-8 alpha-Pinene (PINENE)

Oral	LD50	500 mg/kg (rat) (OECD 423) ATE
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)

5392-40-5 Citral (CITRAL)

Oral	LD50	4,960 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat) 2,250 mg/kg (rabbit)

· **Skin corrosion/irritation**

Causes skin irritation.

· **Serious eye damage/irritation**

Causes serious eye irritation.

· **Respiratory or skin sensitisation**

5989-27-5 (R)-p-mentha-1,8-diene (LIMONENE)

Sensitisation	skin	(mouse) (OECD 429) skin sensitiser
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78-70-6 linalool

Sensitisation	skin	(mouse) (OECD 429) skin sensitiser
---------------	------	---------------------------------------

115-95-7 linalyl acetate (LINALYL ACETATE)

Sensitisation	skin	(mouse) (OECD 429) skin sensitiser
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80-56-8 alpha-Pinene (PINENE)

Sensitisation	skin	(mouse) ((Q)SAR) skin sensitiser
---------------	------	-------------------------------------

5392-40-5 Citral (CITRAL)

Sensitisation	skin	(guinea pig) skin sensitiser
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· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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

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- **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.

- **Additional toxicological information:**

- **Repeated dose toxicity**

- 64-17-5 ethanol

Oral	90-day feeding study	1,730 mg/kg bw/day (rat) (OECD 408)
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- 5989-27-5 (R)-p-mentha-1,8-diene (LIMONENE)

Oral	Feeding study	>825 mg/kg (rat) (NOAEL (28 d))
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- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

No further relevant information available.

- **Germ cell mutagenicity**

- 64-17-5 ethanol

Ames test	negative (bacterial reverse mutation assay)
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- 5989-27-5 (R)-p-mentha-1,8-diene (LIMONENE)

Ames test	negative (bacterial reverse mutation assay)
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- 80-56-8 alpha-Pinene (PINENE)

Ames test	negative (bacterial reverse mutation assay) (OECD 471)
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- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

118-58-1	Benzyl salicylate
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List II

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

- 64-17-5 ethanol

EC50	9,000 mg/l (algae) (Chlorella pyrenoidosa (10 d))
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LC50	12,340 mg/l (daphnia magna) (48 h)
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	4,600 mg/l (fish) (96 h, Leuciscus idus melanotus)
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- 5989-27-5 (R)-p-mentha-1,8-diene (LIMONENE)

EC50	0.32 mg/l (algae) (Desmodesmus subspicatus, OECD 201)
------	---

	0.36 mg/l (daphnia magna) (OECD 202)
--	--------------------------------------

LC50	0.72 mg/l (fish) (Pimephales promelas, OECD 203)
------	--

NOEC	0.174 mg/l (algae)
------	--------------------

	0.153 mg/l (daphnia magna)
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	0.37 mg/l (fish)
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- **12.2 Persistence and degradability** The solvent is biodegradable

- **12.3 Bioaccumulative potential** Bioaccumulation potentially possible.

- **12.4 Mobility in soil** No further relevant information available.

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

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.

- **12.7 Other adverse effects**

- **Additional ecological information:**

- **General notes:**

Very toxic for aquatic organisms

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Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.

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.
Dispose of in accordance with all applicable local and national regulations.

· European waste catalogue

20 01 13*	solvents
15 01 10*	packaging containing residues of or contaminated by hazardous substances

· Uncleaned packaging:

· Recommendation:

Dispose of in accordance with all applicable local and national regulations.
Non contaminated packagings may be recycled.

SECTION 14: Transport information

· 14.1 UN number or ID number

· ADR, IMDG, IATA

UN1993

· 14.2 UN proper shipping name

· ADR

1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), DIPENTENE), ENVIRONMENTALLY HAZARDOUS

· IMDG

FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), DIPENTENE), MARINE POLLUTANT

· IATA

FLAMMABLE LIQUID, N.O.S. (ETHANOL, DIPENTENE)

· 14.3 Transport hazard class(es)

· ADR, IMDG



· Class

3 Flammable liquids.

· Label

3

· IATA



· Class

3 Flammable liquids.

· Label

3

· 14.4 Packing group

· ADR, IMDG, IATA

II

· 14.5 Environmental hazards:

Product contains environmentally hazardous substances:
(R)-p-mentha-1,8-diene (LIMONENE)

· Marine pollutant:

Yes

Symbol (fish and tree)

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· Special marking (ADR):	Symbol (fish and tree)
· 14.6 Special precautions for user	Warning: Flammable liquids.
· Hazard identification number (Kemler code):	33
· EMS Number:	F-E, <u>S-E</u>
· Stowage Category	B
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· Transport category	2
· Tunnel restriction code	D/E
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), DIPENTENE), 3, II, ENVIRONMENTALLY HAZARDOUS

*

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
The product has to be fitted with a child resistant closure.
The product has to be fitted with a tactile warning.

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**

E1 Hazardous to the Aquatic Environment
P5c FLAMMABLE LIQUIDS

- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**

- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

- **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

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· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations:**

· **Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed, if applicable.

· **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out, because it is not necessary for mixtures.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Liability excluded.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H361 Suspected of damaging fertility or the unborn child.

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.

· **Training hints**

Instructions on hazards and protective measures based on operating instructions. The instructions must be given before start of employment and at least once a year.

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

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

· **Department issuing SDS:**

CLC GmbH

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Tel.: +49-(0)202 - 87018691

· **Contact:** Mr. Sven Rosendahl

· **Version number of previous version:** 4

· **Abbreviations and acronyms:**

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

REACH: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.

EC50: effective concentration, 50 percent

ADR: Accord relatif au transport international 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

VCI: Verband der chemischen Industrie, Deutschland (German chemical industry 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

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LD50: Lethal dose, 50 percent

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

Skin Sens. 1B: Skin sensitisation – Category 1B

Repr. 2: Reproductive toxicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

· **Sources**

The safety data sheet was prepared with the help of the relevant MSDS of the raw materials, data from the ECHA databases, current literature references and the guidelines of ECHA for the preparation of safety data sheets.

· *** Data compared to the previous version altered.**

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