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Safety data sheet

according to ChemV 2015 - SR 813.11

Printing date 25.03.2019 Version 56 Revision: 25.03.2019

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

- ∘ 1.1 Product identifier
- ∘ Trade name: Thymianöl rekt. EuAB / 01-6550
- Article number: P0126801
- Registration number -
- 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 Flavour/Fragrance
- ∘ 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

Frey & Lau GmbH

Immenhacken 12, D-24558 Henstedt-Ulzburg

Tel:++49-4193-9953 Fax: +49-4193-9955-80

Further information obtainable from:

Sachkundige Person Frey + Lau

info@frevlau.de

1.4 Emergency telephone number: ++49-40-54.77.99.56 WAKO

. SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Acute Tox. 4 H302 Harmful if swallowed.

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.
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

∘ Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

Hazard pictograms









GHS05 GHS07 GHS08 GHS09

Signal word Danger

Hazard-determining components of labelling:

2-Isopropyl-5-methylphenol

p-Cymene

3,7-Dimethyl-1,6-octadien-3-ol

Carvacrol

DIPENTENE

Myrcene

I-.alpha.-Pinene

3,7-Dimethylocta-2,6-dien-1-ole

3,7-Dimethyl-2,6-octadien-1-al (cis und trans)

3,7,7-Trimethylbicyclo[4.1.0]hept-3-ene

Hazard statements

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

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

P321 Specific treatment (see on this label).

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

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

○ 2.3 Other hazards

- ∘ Results of PBT and vPvB assessment
- ∘ PBT: Not applicable. ∘ vPvB: Not applicable.

. SECTION 3: Composition/information on ingredients	
∘ 3.2 Chemical characterisation: Mixtures ∘ Description: Mixture of substances listed below with nonhazardous additions.	
◇ Dangerous components: CAS: 89-83-8 2-Isopropyl-5-methylphenol	>25-50%
EINECS: 201-944-8 Skin Corr. 1B, H314; Aquatic Chronic 2, H411; Acute Tox. 4, H302 CAS: 99-87-6 p-Cymene	>20-<25%
EINECS: 202-796-7 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411 CAS: 99-85-4 p-Mentha-1,4-diene	>5-10%
EINECS: 202-794-6 Flam. Liq. 3, H226; Asp. Tox. 1, H304 CAS: 78-70-6 3,7-Dimethyl-1,6-octadien-3-ol EINECS: 201-134-4 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	>5-<10%
CAS: 499-75-2 Carvacrol EINECS: 207-889-6 Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	>2,5-5%
CAS: 138-86-3 DIPENTENE EINECS: 205-341-0 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1B, H317	≥1-<2,5%
CAS: 123-35-3 Myrcene EINECS: 204-622-5 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	≥1-<2,5%
CAS: 7785-26-4 IalphaPinene EINECS: 232-077-3 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1B, H317	≥1-<2,5%
CAS: 99-86-5 p-mentha-1,3-diene EINECS: 202-795-1 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Acute Tox. 4, H302	≥1-<2,5%
CAS: 79-92-5 Camphene EINECS: 201-234-8 Flam. Sol. 1, H228; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Eye Irrit. 2, H319	≥0,25-<1%
CAS: 106-24-1 3,7-Dimethylocta-2,6-dien-1-ole EINECS: 203-377-1 Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1, H317	≥0,1-<1%
CAS: 5392-40-5 3,7-Dimethyl-2,6-octadien-1-al (cis und trans) EINECS: 226-394-6 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	≥0,1-<1%
CAS: 13466-78-9 3,7,7-Trimethylbicyclo[4.1.0]hept-3-ene EINECS: 236-719-3 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1B, H317	≥0,1-<1%
CAS: 18172-67-3 beta-Pinene EINECS: 242-060-2 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1B, H317	≥0,25-<1%
CAS: 470-82-6 Eucalyptol EINECS: 207-431-5 Flam. Liq. 3, H226; Skin Sens. 1B, H317	≥0,1-<1%
CAS: 586-62-9 Terpinolene EINECS: 209-578-0 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1B, H317	≥0,1-<0,25%
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♦ Additional information: For the wording of the listed hazard phrases refer to section 16.

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. SECTION 4: First aid measures

⋄ 4.1 Description of first aid measures

⋄ General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. Seek immediate medical advice.

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.

Seek immediate medical advice.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Seek medical treatment.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

Seek immediate medical advice.

After swallowing:

Call for a doctor immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

Seek immediate medical advice.

- 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 No further relevant information available.

. SECTION 5: Firefighting measures

- ⋄ 5.1 Extinguishing media
- Suitable extinguishing agents: CO2, 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 During heating or in case of fire poisonous gases are produced.
- 5.3 Advice for firefighters
- ◇ Protective equipment: Mouth respiratory protective device.

. SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

∘ 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).

Use neutralising agent.

Dispose contaminated material as waste according to item 13.

Treat with 2 % sodium hydroxide solution.

Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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. SECTION 7: Handling and storage

- ⋄ 7.1 Precautions for safe handling Prevent formation of aerosols.
- ∘ Information about fire and explosion protection: Keep respiratory protective device available.
- ∘ 7.2 Conditions for safe storage, including any incompatibilities
- ⋄ Storage:
- 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.
- ∘ Storage class: 8 A
- ∘ 7.3 Specific end use(s) No further relevant information available.

. SECTION 8: Exposure controls/personal protection

- ∘ Additional information about design of technical facilities: No further data; see item 7.
- ⋄ 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:

79-92-5 Camphene

MAK (Switzerland) Short-term value: 224 mg/m³, 40 ppm

Long-term value: 112 mg/m³, 20 ppm

HS:

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

- ⋄ 8.2 Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:

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.

- Respiratory protection: Not required.
- Protection of hands:

Protective gloves

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

- Material of gloves The multichemical-resistant glove Barrier 02-100 is recommended.
- Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Safety glasses

Tightly sealed goggles

. SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- ∘ General Information
- Appearance:

Form:

Fluid

Colour:

Light yellow to light brown

∘ Odour:

Characteristic

⋄ Odour threshold:

Not determined.

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∘ pH-value: Not determined. Undetermined.

Melting point/freezing point:

∘ Flash point: 63 °C

⋄ Flammability (solid, gas): Not applicable. ⋄ Decomposition temperature: Not determined. Not determined. ◇ Auto-ignition temperature: Explosive properties: Not determined.

Explosion limits:

Lower: Not determined. Not determined. Upper: ⋄ Density at 20 °C: 0,919 g/cm3 Not determined. Relative density Vapour density Not determined. Not determined. ⋄ Evaporation rate

Solubility in / Miscibility with

Not miscible or difficult to mix. water:

 Partition coefficient: n-octanol/water: Not determined. ⋄ VOC (EC) 97.13 %

∘ 9.2 Other information No further relevant information available.

. SECTION 10: Stability and reactivity

- ∘ 10.1 Reactivity No further relevant information available.
- ∘ Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 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.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

. SECTION 11: Toxicological information

- ⋄ 11.1 Information on toxicological effects
- Acute toxicity

Harmful if swallowed.

LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral LD50 1.770 mg/kg

- Primary irritant effect:
- Skin corrosion/irritation
- Causes severe skin burns and eye damage.
- Serious eye damage/irritation
- Causes serious eye damage.
- Respiratory or skin sensitisation

May cause an allergic skin reaction.

- ∘ CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · 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.

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Aspiration hazard

May be fatal if swallowed and enters airways.

. 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.
- Ecotoxical effects:
- ∘ Remark: Toxic for fish
- Additional ecological information:
- General notes:

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Danger to drinking water if even extremely small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

- ∘ 12.5 Results of PBT and vPvB assessment
- ∘ PBT: Not applicable.
- ⋄ vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.

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

. SECTION 14: Transport information

∘ 14.1 UN-Number

⋄ ADR, IMDG, IATA

⋄ADR

∘ IMDG

◇IATA

◇ADR

Class

∘ Label

∘ IMDG. IATA ◇ Class

⋄ Label ∘ 14.4 Packing group ⋄ ADR, IMDG, IATA

UN1760

CORROSIVE LIQUID, N.O.S. (ISOPROPYLMETHYLPHENOL, Carvacrol), ENVIRONMENTALLY HAZARDOUS CORROSIVE LIQUID, N.O.S. (ISOPROPYLMETHYLPHENOL,

Carvacrol), MARINE POLLUTANT

N.O.S. (containing CORROSIVE LIQUID, ISOPROPYLMETHYLPHENOL, Carvacrol)

8 (C9) Corrosive substances.

8 Corrosive substances.

III

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- CH/GB



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DIPENTENE

⋄ Marine pollutant: Yes

Symbol (fish and tree)

◦ Special marking (ADR):

Symbol (fish and tree)

◦ 14.6 Special precautions for user Warning: Corrosive substances.

Danger code (Kemler):
EMS Number:
Segregation groups
Stowage Category
Ago Barrier
F-A,S-B
Acids
Acids
Acids

∘ Stowage Code SW2 Clear of living quarters.

○ 14.7 Transport in bulk according to Annex II of Marpol and

the IBC Code Not applicable.

∘ Transport/Additional information:

ADR

∘ Limited quantities (LQ) 5L

∘ Excepted quantities (ÉQ) Code: E1

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

◇ Transport category

⋄ Tunnel restriction code E

∘ IMDG

◇ Limited quantities (LQ) 5L

∘ Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

∘ UN "Model Regulation": UN 1760 CORROSIVE LIQUID, N.O.S.

(ISOPROPYLMETHYLPHENOL, CARVACROL), 8, III,

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 is classified and labelled according to the CLP regulation.

⋄ Hazard pictograms

⋄ Signal word Danger

GHS05 GHS07 GHS08 GHS09

Hazard-determining components of labelling:

2-Isopropyl-5-methylphenol

p-Cymene

3,7-Dimethyl-1,6-octadien-3-ol

Carvacrol
DIPENTENE
Myrcene

I-.alpha.-Pinene

3,7-Dimethylocta-2,6-dien-1-ole

3,7-Dimethyl-2,6-octadien-1-al (cis und trans)

3,7,7-Trimethylbicyclo[4.1.0]hept-3-ene

Hazard statements

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

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H304 May be fatal if swallowed and enters airways. H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

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

P321 Specific treatment (see on this label).

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

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- Directive 2012/18/EU
- Named dangerous substances ANNEX I None of the ingredients is listed.
- Seveso category E2 Hazardous to the Aquatic Environment
- Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

. 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.

Relevant phrases

H226 Flammable liquid and vapour.

H228 Flammable solid.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

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.

H412 Harmful to aquatic life with long lasting effects.

- Department issuing SDS: Regulatory Affairs
- Contact: Dr. Maja Zippel
- Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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

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)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: verv Persistent and verv Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3 Flam. Sol. 1: Flammable solids – Category 1

Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B

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

Eye Dam. 1: Serious eye damage/eye irritation - Category 1

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Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Skin Sens. 1: Skin sensitisation – Category 1

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

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

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