

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

1.1 Product identifier

Trade name/designation leovet FrogMedic

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

Relevant identified uses

remark

The product is intended for consumer use.

Product categories [PC]

Tierpflege

1.3 Details of the supplier of the safety data sheet

Manufacturer

Leovet Dr. Jacoby GmbH & Co.KG

Beim Eberacker 1

35633 Lahnau

Telephone: ++49 (0)6441 - 9659-0

Telefax: ++49 (0)6441 - 9659-62

E-mail: info@leovet.de

Department responsible for information: Labor

Information telephone: ++49 (0)6441 - 9659-41

Information telefax: ++49 (0)6441 - 9659-62

E-mail (competent person): laborleiter@leovet.de

www.leovet.de

1.4 Emergency telephone number

Only available during office hours.

+49 (0) 6441-965941

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

health hazards

hazard statements for health hazards

H317 May cause an allergic skin reaction.

health hazards

Eye Irrit. 2

hazard statements for health hazards

H319 Causes serious eye irritation.

Physical hazards

Aerosol 1

hazard statements for physical hazards

H222 H229 Extremely flammable aerosol. Pressurized container: May burst if heated.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



GHS02

GHS07

Signal word

Danger

Hazard statements

Hazard statements for physical hazards

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

hazard statements for health hazards

H317 May cause an allergic skin reaction.

Precautionary statements

General:

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

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

Prevention

P210 Keep away from heat.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P271 Use only outdoors or in a well-ventilated area.

Storage:

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Disposal:

P501 Inhalt/Behälter gemäß lokalen/nationalen Vorschriften der Entsorgung zuführen.

2.3 Other hazards

Adverse physicochemical effects

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

SECTION 3: Composition / information on ingredients

3.1/3.2 Substances/Mixtures

Hazardous ingredients

Teebaumöl

<1 %

CAS 85085-48-9

EC 285-377-1

Acute Tox. 4, H302 / Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Asp.

Tox. 1, H304 / Eye Irrit. 2, H319 / Muta. 2, H341 / Repr. 2, H361 /

Aquatic Chronic 2, H411 / Flam. Liq. 3, H226

Dimethylether

25 - <50 %

CAS 115-10-6

EC 204-065-8

REACHNo 01-2119472128-37

Liquef. Gas, H280



Ethanol 50 - <75 %

CAS 64-17-5

EC 200-578-6

REACHNo 01-2119457610-43

Eye Irrit. 2, H319 / Flam. Liq. 2, H225

Terpentinöl

<1 %

CAS 8006-64-2

EC 232-350-7

REACHNo 01-2119502456-45

Acute Tox. 4, H302 / Acute Tox. 4, H312 / Acute Tox. 4, H332 / Eye
Irrit. 2, H319 / Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Asp. Tox. 1,
H304 / Aquatic Chronic 2, H411 / Flam. Liq. 3, H226

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Seek medical advice immediately (poison centre). If unconscious but breathing normally, place in recovery position and seek medical advice. Remove victim out of the danger area. Do not leave affected person unattended. Put victim at rest, cover with a blanket and keep warm. Remove contaminated, saturated clothing immediately.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. Provide fresh air.

Following skin contact

Mit reichlich Wasser abwaschen. Kontaminierte Kleidung ausziehen und vor erneutem Tragen waschen.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Bei Erbrechen Aspirationsgefahr beachten.

4.2 Most important symptoms and effects, both acute and delayed

If decomposition products are inhaled the following symptoms can occur:

No data available

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam

Extinguishing powder

BC-powder

Water spray jet

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide

Carbon dioxide (CO₂)

5.3 Advice for firefighters

No data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures

Remove all sources of ignition.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it.

6.3 Methods and material for containment and cleaning up

For containment

Suitable material for taking up:

Sand

Kieselguhr

Universal binder

Other information

Das aufgenommene Material gemäß Abschnitt Entsorgung behandeln.

6.4 Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Advices on safe handling

Nicht durchstechen oder verbrennen, auch nicht nach Gebrauch.

Measures to prevent fire

Take precautionary measures against static discharges. Vapours can form explosive mixtures with air. Keep away from sources of ignition - No smoking. Nicht gegen Flammen oder glühende Gegenstände sprühen. Vor Sonneneinstrahlung schützen. Nicht Temperaturen über 50°C/122°F aussetzen.

Measures to prevent aerosol and dust generation

Use only outdoors or in a well-ventilated area.

Specific requirements or handling rules

Erhitzen führt zu Druckerhöhung und Berstgefahr

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Behälter an einem kühlen, gut gelüfteten Ort aufbewahren. Von Hitze, heißen Oberflächen, Funken, offenen Flammen sowie anderen Zündquellen fernhalten. Nicht rauchen.

Hints on joint storage

Materials to avoid

Oxidising agent

Pyrophore

selbsterhitzungsfähige Gefahrstoffe

Storage class

Aerosol dispensers and lighters

Further information on storage conditions

Heating causes rise in pressure with risk of bursting. Protect containers against damage. Keep in a cool, well-ventilated place. Von Nahrungsmitteln, Getränken und Futtermittel fernhalten. Lagerklasse nach TRGS 510: 2B (Aerosolpackungen und Feuerzeuge).

storage temperature

Value >4 °C

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limits at intended use

biological limit values

Substance name Propan-2-ol

CAS No. 67-63-0

EC No. 200-661-7

parameter

Aceton

Limit value 25 mg/L

source

TRGS 903

Occupational exposure limit values

Limit value type (country of origin):

Arbeitsplatzgrenzwerte (TRGS 900)

Substance name Dimethylether

CAS No. 115-10-6

EC No. 204-065-8

long-term occupational exposure limit value <1900 mg/m³

short-term occupational exposure limit value <15200 mg/m³

source

TRGS 900

Limit value type (country of origin):

Arbeitsplatzgrenzwert (TRGS 900)

Substance name Ethanol

CAS No. 64-17-5

EC No. 200-578-6

long-term occupational exposure limit value <960 mg/m³

short-term occupational exposure limit value <1920 mg/m³

source

TRGS 900

Limit value type (country of origin):

Arbeitsplatzgrenzwert (TRGS 900)

Substance name Propan-2-ol

CAS No. 67-63-0

EC No. 200-661-7

long-term occupational exposure limit value <500 mg/m³

short-term occupational exposure limit value <1000 mg/m³

source

TRGS 900

DNEL-/PNEC-values

DNEL Consumer

type

DNEL long-term dermal (systemic)

Value <319 mg/kg

type

DNEL long-term inhalative (systemic)

Value <89 mg/m³

type

DNEL Langzeit oral (systemisch)

Value <26 mg/kg

DNEL worker

type

DNEL long-term dermal (systemic)

Value <888 mg/kg

type

DNEL long-term inhalative (systemic)

Value <500 mg/kg

8.2 Exposure controls

Appropriate engineering controls

Substance/mixture related measures to prevent exposure during identified uses

Fresh air (open windows and doors) is necessary.

Personal protection equipment

Eye/face protection

Suitable eye protection:

Eye glasses with side protection

Eye glasses

Skin protection

remark

Hand protection is not required.

Body protection:

Suitable protective clothing:

not relevant

Respiratory protection

remark

Usually no personal respirative protection necessary.

Environmental exposure controls

remark

See section 7 of the safety data sheet.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state

Aerosol

Colour

light yellow

cloudy

Odour

characteristic

parameter		Method - source - remark
Melting point/freezing point		not determined
Boiling point or initial boiling point and boiling range		not determined
flammability		not determined
Upper explosion limit	26,2 Vol-%	
lower explosion limit	2,5 Vol-%	
Flash point (°C)	<-50 °C	
Auto-ignition temperature	226 °C	
Decomposition temperature		not determined
pH		not determined
Kinematic viscosity		not relevant
Water solubility		not determined
Soluble (g/L) in		not determined
Fat solubility		not determined
Partition coefficient: n-octanol/water		not determined
Vapour pressure	4500 - 5500 hPa	Temperature 20 °C
Density and/or relative density	0,7442 - 0,7642 g/cm ³	Temperature 20 °C
Auto-ignition temperature	226 °C	
Relative vapour density		not determined
particle characteristics		not determined
Dynamic viscosity		not relevant
flow time		not determined
Thermal sensitivity		none
Sensitiveness to impact (J)		not determined



parameter

Method - source - remark

Sensitivity to friction (N)

not determined

9.2 Other information

Solvent content

Value 59,87 %

Solid content

Value 0,1802 %

Propellant content

Value 39,95 %

SECTION 10: Stability and reactivity

10.1 Reactivity

Entzündlich, Entzündungsgefahr.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

Danger of bursting container.

10.4 Conditions to avoid

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

10.5 Incompatible materials

Materials to avoid

No data available

10.6 Hazardous decomposition products

Decomposition products in case of fire: see section 5.

SECTION 11: Toxicological information

Additional information

Mixture not tested.

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicokinetics, metabolism and distribution

Non-human toxicological data

remark

There are no data available on the preparation/mixture itself.

Acute toxicity

Acute dermal toxicity

ingredient Ethanol

Acute dermal toxicity >2000 mg/kg

Effective dose

LD50:

Species:

Rabbit

Acute dermal toxicity 13900 mg/kg

Effective dose

LD50:

Species:

Rabbit

ingredient Terpentinöl

Acute dermal toxicity >2000 mg/kg

Effective dose

LD50:

Species:

Rabbit

Method

OECD 402

Acute inhalation toxicity (dust/mist)

ingredient Terpentinöl

Acute inhalation toxicity (dust/mist) 1,5 mg/L

Effective dose

ATE

Acute inhalation toxicity (vapour)

ingredient Ethanol

Acute inhalation toxicity (vapour) >20 mg/L

Effective dose

LC50:

Exposure time 4 h

Species:

Rat

Acute inhalation toxicity (vapour) 47,5 mg/L

Effective dose

LC50:

Exposure time 4 h

Species:

Rat

ingredient Terpentinöl

Acute inhalation toxicity (vapour) 11 mg/L

Effective dose

ATE

Acute oral toxicity

ingredient Ethanol

Acute oral toxicity 10470 mg/kg

Effective dose

LD50:

Species:

Rat

Method

OECD 401

Acute oral toxicity 5840 mg/kg

Effective dose

LD50:

Species:

Rat

ingredient Teebaumöl

Acute oral toxicity 500 mg/kg

Effective dose

ATE

ingredient Terpentinöl

Acute oral toxicity <5000 mg/kg

Effective dose

LD50:

Species:

Rat

Method

OECD 401

skin corrosion/irritation

Assessment/classification

non-irritant.

Respiratory or skin sensitisation

Skin sensitisation

remark

Kann allergische Hautreaktionen verursachen (Teebaumöl, Terpentinöl).

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Overall Assessment on CMR properties

Practical experiences do not give any evidence for CMR activity of categories 1 or 2.

11.2 Information on other hazards

No information available.

SECTION 12: Ecological information

Additional information

Das Produkt wurde nicht geprüft.

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

ingredient Ethanol

Acute (short-term) fish toxicity 13480 mg/L

Effective dose

LC50:

Test duration 96 h

species

Pimephales promelas (fathead minnow)

Method

ECHA

ingredient Dimethylether

Acute (short-term) fish toxicity 1783,04 mg/L

Effective dose

LC50:

Test duration 96 h

Acute (short-term) fish toxicity 9640 mg/L

Effective dose

LC50:

Test duration 96 h

species

Pimephales promelas (fathead minnow)

Method

OECD 203

ingredient Terpentinöl

Acute (short-term) fish toxicity 29 mg/L

Effective dose

LC50:

Test duration 96 h

species

Danio rerio (zebrafish)

Method

OECD 203

Acute (short-term) toxicity to crustacea

ingredient Ethanol

Acute (short-term) toxicity to crustacea >10000 mg/L

Effective dose

EC50

Test duration 48 h

species

Daphnia magna (Big water flea)

Method

DIN 38412 / part 11

Acute (short-term) toxicity to crustacea 13299 mg/L

Effective dose

EC50

Test duration 48 h

species

Daphnia magna (Big water flea)

ingredient Terpentinöl

Acute (short-term) toxicity to crustacea 6,4 mg/L

Effective dose

EC50

Test duration 48 h

species

Daphnia magna (Big water flea)

Method

OECD 202

Chronic (long-term) toxicity to aquatic invertebrate

ingredient Ethanol

Chronic (long-term) toxicity to aquatic invertebrate 9,6 mg/L

Effective dose

NOEC

Test duration 9 d

species

Daphnia magna (Big water flea)

Method

ECHA

Acute (short-term) toxicity to algae and cyanobacteria

ingredient Ethanol

Acute (short-term) toxicity to algae and cyanobacteria ca.22000 mg/L

Effective dose

ErC50:

Test duration 96 h

species

Selenastrum capricornutum

Method

OECD 201

ingredient Dimethylether

Acute (short-term) toxicity to algae and cyanobacteria 154,917 mg/L

Effective dose

ErC50:

Test duration 96 h

Acute (short-term) toxicity to algae and cyanobacteria >100 mg/L

Effective dose

ErC50:

Test duration 72 h

species

Scenedesmus subspicatus

ingredient Terpentinöl

Acute (short-term) toxicity to algae and cyanobacteria 17,1 mg/L

Effective dose

ErC50:

Test duration 72 h

species

Desmodesmus subspicatus

Method

OECD 201

Chronic (long-term) toxicity to aquatic algae and cyanobacteria

ingredient Ethanol

Chronic (long-term) toxicity to aquatic algae and cyanobacteria 5400 mg/L

Effective dose

NOEC

Test duration 5 d

species

Skeletonema costatum

Method

ECHA

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Endocrine disrupting properties

No information available.

12.7 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

remark

Vollständig entleerte Verpackungen können einer Verwertung zugeführt werden. Entsorgung gemäß den behördlichen Vorschriften.

Directive 2008/98/EC (Waste Framework Directive)

Before intended use

Waste code product 160504

hazardous waste Yes.

Waste name

gases in pressure containers (including halons) containing hazardous substances

After intended use

Appropriate disposal / Product

Dispose of waste according to applicable legislation. Nicht in die Kanalisation oder Gewässer gelangen lassen.

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	1950	1950	1950
14.2 Proper Shipping Name	AEROSOLS (Ethanol, Dimethylether)	AEROSOLS (Ethanol, Dimethylether)	Aerosols, flammable (Ethanol, Dimethylether)
14.3 Class(es)	2	2.1	2.1
14.4 Packing group			
14.5 Environmental hazards	No	No	No
14.6 Special precautions for user	not applicable	not applicable	not applicable
14.7 Maritime transport in bulk according to IMO instruments	not applicable	not applicable	not applicable

Additional information - Land transport (ADR/RID)

Hazard label(s) 2.1

Classification code 5F

Limited quantity (LQ) 1 L

tunnel restriction code D

transport category 2

Additional information - Air transport (ICAO-TI / IATA-DGR)

Limited quantity (LQ) 30

Special precautions for user

All transport carriers

Achtung: Entzündbare Gase.

SECTION 15: Regulatory information

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

EU legislation

Other regulations (EU)

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds

VOC limit value: 694,721 g/L

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]

CHAPTER V: SPECIAL PROVISIONS FOR INSTALLATIONS AND ACTIVITIES USING ORGANIC SOLVENTS

Volatile organic compounds (VOC) content in percent by weight: 92,016 weight-%

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

See overview table at www.euphrac.eu

Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material. Die Daten der gefährlichen Inhaltsstoffe wurden jeweils dem letztgültigen Sicherheitsdatenblatt des Vorlieferanten übernommen.

Relevant R-, H- and EUH-phrases (Number and full text)

H220 Extremely flammable gas.

H222 Extremely flammable aerosol.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H229 Pressurised container: May burst if heated.

H280 Contains gas under pressure; may explode if heated.

H302, R20 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.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

H341 Suspected of causing genetic defects (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H361 Suspected of damaging fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).