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

1.1 Product identifier

Trade name/designation 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]

animal care

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: Laboratory
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.

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.

hazard statements for health hazards

H319 Causes serious eye irritation.

Physical hazards

Gases under pressure

hazard statements for physical hazards

H222 Extremely flammable aerosol.

2.2 Label elements

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

Hazard components for labelling

Tea Tree Oil
Turpentine Oil

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.
H319 Causes serious eye irritation.

Precautionary statements

General:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.

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

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

Tea Tree Oil 1 - <2,5 %
CAS 85085-48-9
EC 285-377-1
Acute Tox. 4, H302 / Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Asp. Tox. 1, H304 / Aquatic Chronic 2, H411 / Flam. Liq. 3, H226

2-Propanol 2,5 - <5 %
CAS 67-63-0
EC 200-661-7
REACHNo 01-2119457558-25
STOT SE 3, H336 / Eye Irrit. 2, H319 / Flam. Liq. 2, H225

Dimethylether 35 - <40 %
CAS 115-10-6
EC 204-065-8
REACHNo 01-2119472128-37
Flam. Gas 1, H220 / Liquef. Gas, H280

Ethanol 45 - <50 %
CAS 64-17-5
EC 200-578-6
REACHNo 01-2119457610-43
Eye Irrit. 2, H319 / Flam. Liq. 2, H225

Turpentine Oil 0,5 - <1 %
CAS 8006-64-2
EC 232-350-7
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
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Following inhalation
Provide fresh air. In case of respiratory tract irritation, consult a physician.

Following skin contact
Wash off with plenty of water. Remove contaminated clothing and wash before re-washing. In case of skin reactions, consult a physician.

After eye contact
Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion
If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. In case of vomiting, observe the danger of aspiration.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor
Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
Foam
Extinguishing powder
Carbon dioxide (CO2)

Unsuitable extinguishing media
Water

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products
Carbon monoxide

5.3 Advice for firefighters

Special protective equipment for firefighters
In case of fire: Wear self-contained breathing apparatus.

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 discharge product into the environment. Explosion.

6.3 Methods and material for containment and cleaning up

For containment

Suitable material for taking up
Sand
Kieselguhr
Universal binder

Other information

Treat the collected material according to the section Disposal.

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
Do not pierce or burn, even after use.

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. Do not spray against flames or glowing objects. Protect from sunlight. Do not expose to temperatures above 50 ° C / 122 ° F.

Specific requirements or handling rules
Heating leads to pressure increase and bursting danger

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
Keep container tightly closed. Keep container in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. Do not smoke.

Hints on joint storage

Materials to avoid
Oxidising agent
Pyrophore
self-heating hazardous substances

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. Keep away from food, drink and animal feed. Storage class according to TRGS 510: 2B (aerosol dispensers and lighters).

7.3 Specific end use(s)
Industrial sector specific solutions
animal care

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):
Workplace exposure limit (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):
Workplace exposure limit (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):
Workplace exposure limit (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

Substance name 2-Propanol

type
DNEL long-term dermal (systemic)
Value <319 mg/kg
Substance name 2-Propanol

type
DNEL long-term inhalative (systemic)
Value <89 mg/m³
Substance name 2-Propanol

type
DNEL Langzeit oral (systemisch)
Value <26 mg/kg

DNEL worker

Substance name 2-Propanol

type
DNEL long-term dermal (systemic)
Value <888 mg/kg
Substance name 2-Propanol

type
DNEL long-term inhalative (systemic)
Value <500 mg/kg

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Suitable eye protection
Eye glasses with side protection

Skin protection

remark
Hand protection is not required
Wash hands thoroughly after use.

Body protection

Additional body protection measures
There are no special steps required

Respiratory protection

remark
Usually no personal respirative protection necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state
liquid

Colour
opaque

Odour
characteristic

	parameter	Method - source - remark
pH		not determined
Melting point/freezing point		not determined
Initial boiling point and boiling range	<-20 °C	
Flash point (°C)	<-20 °C	
Evaporation rate		not determined
flammability		not determined
Upper explosion limit	26,5 Vol-%	
lower explosion limit	2,5 Vol-%	
Vapour pressure		not determined
Vapour density		not determined
Relative density		not determined
Fat solubility (g/L)		not determined
Water solubility (g/L)		not determined
Soluble (g/L) in		not determined
Partition coefficient: n-octanol/water		not determined
Auto-ignition temperature		not determined
Auto-ignition temperature		not determined
Decomposition temperature		not determined

9.2 Other information
No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
Flammable, risk of ignition.

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 sources (eg hot surfaces), sparks and open flames. Vapors may form explosive mixtures with air.

10.5 Incompatible materials

Materials to avoid
No data available

10.6 Hazardous decomposition products
In case of fire may be liberated: carbon monoxide

SECTION 11: Toxicological information

Additional information

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

11.1 Information on toxicological effects

Acute toxicity

Acute dermal toxicity

ingredient Ethanol
Acute dermal toxicity >2000 mg/kg
Effective dose
LD50:
Species:
Rabbit
ingredient 2-Propanol
Acute dermal toxicity 13900 mg/kg
Effective dose
LD50:
Species:
Rabbit
ingredient Turpentine Oil
Acute dermal toxicity >2000 mg/kg
Effective dose
LD50:
Species:
Rabbit
Method
OECD 402

Acute inhalation toxicity (dust/mist)

ingredient Turpentine Oil
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
ingredient 2-Propanol
Acute inhalation toxicity (vapour) 47,5 mg/L
Effective dose
LC50:
Exposure time 4 h
Species:
Rat
ingredient Turpentine Oil

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

ingredient 2-Propanol
Acute oral toxicity 5840 mg/kg

Effective dose
LD50:

Species:
Rat

ingredient Tea Tree Oil
Acute oral toxicity 500 mg/kg

Effective dose
ATE

ingredient Turpentine Oil
Acute oral toxicity <5000 mg/kg

Effective dose
LD50:

Species:
Rat

Method
OECD 401

skin corrosion/irritation

remark
Causes serious eye irritation. Corrosion / irritation on the skin: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Skin sensitisation

remark
May cause an allergic skin reaction (Tea Tree Oil, Turpentine Oil).

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Overall Assessment on CMR properties
Due to missing data no statement can be made whether the substance fullfills the criteria of CMR categories 1 or 2.

SECTION 12: Ecological information

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
ingredient 2-Propanol
Acute (short-term) fish toxicity 9640 mg/L
Effective dose
LC50:
Test duration 96 h
species
Pimephales promelas (fathead minnow)
Method
OECD 203
ingredient Turpentine Oil
Acute (short-term) fish toxicity 29 mg/L
Effective dose
LC50:
Test duration 96 h
species
Brachydanio rerio (zebra-fish)
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
ingredient 2-Propanol

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

Effective dose
EC50
Test duration 48 h

species
Daphnia magna (Big water flea)
ingredient Turpentine Oil
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 crustacea
ingredient Ethanol
Chronic (long-term) toxicity to crustacea 9,6 mg/L

Effective dose
NOEC
Test duration 9 d

species
Daphnia magna (Big water flea)

Method
ECHA

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

Effective dose
ErC50:
Test duration 96 h
ingredient 2-Propanol
Acute (short-term) toxicity to aquatic algae and cyanobacteria >100 mg/L

Effective dose
ErC50:
Test duration 72 h

species
Scenedesmus subspicatus
ingredient Turpentine Oil
Acute (short-term) toxicity to aquatic algae and cyanobacteria 17,1 mg/L

Effective dose
ErC50:
Test duration 72 h
species
Desmodesmus subspicatus
Method
OECD 201

Chronic (long-term) algae toxicity
ingredient Ethanol
Chronic (long-term) algae toxicity 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 Other adverse effects
No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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. Do not discharge into drains or rivers.

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	1950	1950	1950
14.2 Proper Shipping Name	AEROSOLS	AEROSOLS	Aerosols, flammable
14.3 Class(es)	2	2.1	2.1

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.4 Packing group			
14.5 ENVIRONMENTALLY HAZARDOUS	No	No	No
14.6 Special precautions for user	not applicable	not applicable	not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	not applicable	not applicablenot 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
Attention: Flammable gases.

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

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

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

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. The data of the hazardous ingredients were taken from the last applicable safety data sheet of the subcontractor.

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.