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

1.1 Product identifier

Trade name/designation Strahlsan - Frogade
Unique Formula Identifier ADSY-CHG7-X00K-H7VN
Product-no.: 192001

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

Relevant identified uses

Sector of uses [SU]
SU1 Agriculture, forestry, fishery.

Product categories [PC]
PC0 Other products:
Tierpflegemittel - Animal care products

1.3 Details of the supplier of the safety data sheet

Manufacturer
leovet Dr. Jacoby GmbH & Co. KG
Beim Eberacker 1
Deutschland-35633 Lahnau
Telephone: +49 (0)6441 9659-0
Telefax: +49 (0)6441 9659-59
E-mail: info@leovet.de
Department responsible for information: Labor
Information telephone: +49 (0)6441 965927

1.4 Emergency telephone number

Only available during office hours.
+49 (0)6441 965927 (Mo-Fr.: 8.00-16.00 Uhr)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

health hazards
Eye Irrit. 2

hazard statements for health hazards
H319 Causes serious eye irritation.

Classification procedure
Calculation method.

2.2 Label elements

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

Hazard pictograms

GHS07
Signal word
Warning
Hazard statements

hazard statements for health hazards
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
P264 Wash hands thoroughly after handling.
P280 Wear eye/face protection.

Response:
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

Results of PBT and vPvB assessment
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition / information on ingredients

3.1 Substances (not applicable)

3.2 Mixtures

Hazardous ingredients

(2-Methoxymethylethoxy)-propanol >=3 - <5 %
CAS 34590-94-8
EC 252-104-2

D-Glucopyranose, Oligomere, C10-16-Alkyl-Glycosid >=1 - <3 %
CAS 110615-47-9
EC 600-975-8
REACHNo 01-2119489418-23
Eye Dam. 1, H318 / Skin Irrit. 2, H315

Specific concentration limit (SCL)

Substance name D-Glucopyranose, Oligomere, C10-16-Alkyl-Glycosid
Hazard classes and hazard categories
Eye Dam. 1
min. 12 %
max. 100 %

Substance name D-Glucopyranose, Oligomere, C10-16-Alkyl-Glycosid
Hazard classes and hazard categories
Skin Irrit. 2
min. 30 %
max. 100 %

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation
Remove casualty to fresh air and keep warm and at rest.

Following skin contact
After contact with skin, wash immediately with plenty of water and soap.

After eye contact
After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Following ingestion
If you feel unwell, call a poison information centre or doctor

4.2 Most important symptoms and effects, both acute and delayed

Symptoms
Eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor
Treat symptomatically.

SECTION 5: Firefighting measures

Additional information
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

5.1 Extinguishing media

Suitable extinguishing media
Water spray jet
Dry extinguishing powder
Foam
Carbon dioxide (CO2)

Unsuitable extinguishing media
Full water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products
Possible release of toxic fumes

5.3 Advice for firefighters

Special protective equipment for firefighters
Do not attempt to work without suitable protective equipment. Ambient air-independent breathing apparatus. Full protective clothing

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures
Ventilate contaminated area. Avoid contact with eyes and skin

For emergency responders

Personal protection equipment
Do not attempt to work without suitable protective equipment. Further information: see section 8 ‘Exposure controls/personal protective equipment’.

6.2 Environmental precautions

Avoid release into the environment

6.3 Methods and material for containment and cleaning up

For containment

Suitable material for taking up
Absorb spilled liquid with absorbent material

Other information
Dispose of substances or residual quantities in solid form to an authorised facility.

6.4 Reference to other sections
Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on general occupational hygiene
When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

Protective measures

Advices on safe handling
Ensure that the workplace is well ventilated. Avoid contact with eyes and skin. Wear personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Further information on storage conditions
Store in a well-ventilated place. Keep cool.

7.3 Specific end use(s)

Recommendation
Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

CAS No.	Substance name	LTV	STV	remark
34590-94-8	(2-Methoxymethylethoxy)propanol	308 mg/m³ 50 ppm		Bold-type: Indicative Occupational Exposure Limit Value (IOELV) ~ European Union

LTV = long-term occupational exposure limit value
STV = short-term occupational exposure limit value
source: GESTIS International Limit Values (http://limitvalue.ifa.dguv.de/)
Monitoring and observation processes: GESTIS Analytical Methods (http://amcaw.ifa.dguv.de/)

8.2 Exposure controls

Appropriate engineering controls

remark
Ensure that the workplace is well ventilated

Personal protection equipment

Eye/face protection

Suitable eye protection
Tight-fitting safety goggles (EN 166)

Skin protection

Suitable gloves type
Disposable gloves

Respiratory protection
Wear suitable respiratory protective equipment in case of insufficient ventilation

Environmental exposure controls

remark
Avoid release into the environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state
liquid:

Colour
light yellow

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			not determined
lower explosion limit			not determined
Flash point (°C)			not determined
Auto-ignition temperature			not determined
Decomposition temperature			not determined
pH	>=5,3 - <=6	Temperature =20 °C	
Kinematic viscosity			not determined
Water solubility			not determined
Soluble (g/L) in			not determined
Fat solubility			not determined
Partition coefficient: n-octanol/water			not determined
Vapour pressure			not determined
Density and/or relative density	>0,99 - <1,05 g/cm³	Temperature =20 °C	
Relative vapour density			not determined
particle characteristics			not determined
Dynamic viscosity	>1000 mPa*s		
flow time			not determined

9.2 Other information
No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
This material is considered to be non-reactive under normal use conditions.

10.2 Chemical stability
The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid
Further information on proper storage: see section 7.

10.5 Incompatible materials
No information available.

10.6 Hazardous decomposition products
Under normal conditions of storage and use, no hazardous decomposition products should be formed.

Additional information
Decomposition possible after prolonged exposure to light.

SECTION 11: Toxicological information

Additional information
Not classified (Based on available data, the classification criteria are not met)

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

Aspiration hazard

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

Acute toxicity

Acute dermal toxicity

ingredient (2-Methoxymethylethoxy)-propanol
Acute dermal toxicity >19020 mg/kg

Species:
Rat

Method
OECD 402

remark
Not classified (Based on available data, the classification criteria are not met)
ingredient (2-Methoxymethylethoxy)-propanol
Acute dermal toxicity >9510 mg/kg

Species:
Rabbit

Method
OECD 402
ingredient D-Glucopyranose, Oligomere, C10-16-Alkyl-Glycosid
Acute dermal toxicity >2000 mg/kg

Species:
Rabbit

Method
OECD 402

Acute inhalation toxicity (dust/mist)

remark
Not classified (Based on available data, the classification criteria are not met)

Acute oral toxicity

ingredient (2-Methoxymethylethoxy)-propanol
Acute oral toxicity >5000 mg/kg

Species:
Rat

Method
OECD 401

remark
Not classified (Based on available data, the classification criteria are not met)
ingredient D-Glucopyranose, Oligomere, C10-16-Alkyl-Glycosid
Acute oral toxicity >5000 mg/kg

Species:
Rat

Method
OECD 401

Serious eye damage/irritation

Assessment/classification
Causes serious eye irritation

skin corrosion/irritation

remark
Not classified (Based on available data, the classification criteria are not met)

Respiratory or skin sensitisation

Sensitisation to the respiratory tract

Other information
Not classified (Based on available data, the classification criteria are not met)

Skin sensitisation

remark
Not classified (Based on available data, the classification criteria are not met)

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity

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

Reproductive toxicity

Other information
not determined

STOT-single exposure

STOT SE 1 and 2

Other information
not determined

Dermal specific target organ toxicity (single exposure)

remark
not determined

Inhalative specific target organ toxicity (single exposure)

remark
not determined

Oral specific target organ toxicity (single exposure)

remark
not determined

STOT SE 3

Irritation to respiratory tract

Other information
not determined

Narcotic effects

Other information
not determined

STOT-repeated exposure

STOT RE 1 and 2

Other information
not determined

11.2 Information on other hazards

No information available.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

ingredient (2-Methoxymethylethoxy)-propanol
Acute (short-term) fish toxicity >1000 mg/L

species
Poecilia reticulata (Guppy)
ingredient D-Glucopyranose, Oligomere, C10-16-Alkyl-Glycosid
Acute (short-term) fish toxicity 2,95 - 5,9 mg/L

Effective dose
LC50:

species
Danio rerio (zebrafish)

Acute (short-term) toxicity to crustacea

ingredient D-Glucopyranose, Oligomere, C10-16-Alkyl-Glycosid
Acute (short-term) toxicity to crustacea 7 - 14 mg/L

Effective dose
EC50

species
Daphnia magna (Big water flea)

Chronic (long-term) toxicity to aquatic invertebrate

ingredient (2-Methoxymethylethoxy)-propanol
Chronic (long-term) toxicity to aquatic invertebrate 0,5 mg/L

Effective dose
LOEC
Test duration 22 d

species
Daphnia magna (Big water flea)
ingredient (2-Methoxymethylethoxy)-propanol
Chronic (long-term) toxicity to aquatic invertebrate >=0,5 mg/L

Effective dose
NOEC:
Test duration 22 d

species
Daphnia magna (Big water flea)

Acute (short-term) toxicity to algae and cyanobacteria
ingredient (2-Methoxymethylethoxy)-propanol
Acute (short-term) toxicity to algae and cyanobacteria >969 mg/L

Effective dose
EC50
Test duration 72 S

species
Pseudokirchneriella subcapitata
ingredient (2-Methoxymethylethoxy)-propanol
Acute (short-term) toxicity to algae and cyanobacteria >969 mg/L

Effective dose
EC50
Test duration 96 S

species
Pseudokirchneriella subcapitata

Toxicity to other aquatic plants/organisms
ingredient (2-Methoxymethylethoxy)-propanol
Acute (short-term) toxicity to algae and cyanobacteria 1930 mg/L

Effective dose
EC50

species
aquatic crustacea

Assessment/classification
The product is not considered harmful to aquatic organisms nor does it cause long-term damage to the environment.

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
Dispose of contents/container in accordance with the sorting instructions of the authorised collector.

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	not applicable	not applicable	not applicable
14.2 Proper Shipping Name	not applicable	not applicable	not applicable
14.3 Class(es)	not applicable	not applicable	not applicable
14.4 Packing group	not applicable	not applicable	not applicable
14.5 Environmental hazards	not applicable	not applicable	not applicable
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

SECTION 15: Regulatory information
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU legislation
Authorisations and/or restrictions on use
Restrictions of occupation
Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

15.2 Chemical Safety Assessment
For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information
Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
See SECTION 2.1 (classification).

Indication of changes
* Data changed compared with the previous version

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.

Relevant R-, H- and EUH-phrases (Number and full text)
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.