SAFETY DATA SHEET

Liva Glasrens

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

1.1. Product identifier

Trade name

Liva Glasrens

Product no.

1000240104-1000240105-1000240125

Unique formula identifier (UFI)

U8KP-VSQ5-DYCV-7A97

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

Relevant identified uses of the substance or mixture

Ready to use product.

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

Velfyld ApS
Adelers Allé 155
4540 Fårevejle
Danmark
+45 7174 6868
www.velfyld.dk

E-mail

info@velfyld.dk

Revision

20/06/2025

SDS Version

1.0

1.4. Emergency telephone number

Contact the poison hotline: +45 82 12 12 12 (24 hour service)
See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP).

2.2. Label elements

Hazard pictogram(s)

Not applicable.

Signal word

Not applicable.

Hazard statement(s)

Not applicable.

Precautionary statement(s)

General

-

Prevention

-

Response

-

Storage

-

Disposal

-

Hazardous substances

Does not contain any substances required to report

Additional labelling

EUH210, Safety data sheet available on request.

UFI: U8KP-VSQ5-DYCV-7A97

Labelling of contents according to Detergents Regulation (EC) No 648/2004 (applicable to packaging of detergents sold to the general public)

< 5%

· Anionic surfactants

2.3. Other hazards

Additional warnings

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
ethanol	CAS No.: 64-17-5 EC No.: 200-578-6 REACH: Index No.: 603-002-00-5	5-10%	Flam. Liq. 2, H225	
propan-2-ol	CAS No.: 67-63-0 EC No.: 200-661-7 REACH: 01-2119457558-25 Index No.: 603-117-00-0	1-3%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	
ammonia, aqueous solution	CAS No.: 1336-21-6 EC No.: 215-647-6 REACH: 01-2119488876-14 Index No.: 007-001-01-2	<0.1%	Skin Corr. 1B, H314 STOT SE 3, H335 (SCL: 5.00 %) Aquatic Acute 1, H400 (M=1)	
ammonia, anhydrous	CAS No.: 7664-41-7 EC No.: 231-635-3 REACH: Index No.: 007-001-00-5	<0.00001%	Flam. Gas 2, H221 Skin Corr. 1B, H314 Acute Tox. 3, H331 Aquatic Acute 1, H400 (M=1)	[1]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an

unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns

Not applicable.

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

None known.

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

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

5.3. Advice for firefighters

No specific requirements.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.
Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits.
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material

Always store in containers of the same material as the original container.

Storage conditions

No specific requirements.

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ethanol
Long term exposure limit (8 hours) (mg/m^3): 1900
Long term exposure limit (8 hours) (ppm): 1000
Short term exposure limit (15 minutes) (mg/m^3): 3800
Short term exposure limit (15 minutes) (ppm): 2000

propan-2-ol
Long term exposure limit (8 hours) (mg/m^3): 490
Long term exposure limit (8 hours) (ppm): 200
Short term exposure limit (15 minutes) (mg/m^3): 980
Short term exposure limit (15 minutes) (ppm): 400

(2-methoxymethylethoxy)propanol
Long term exposure limit (8 hours) (mg/m^3): 309
Long term exposure limit (8 hours) (ppm): 50
Short term exposure limit (15 minutes) (mg/m^3): 618
Short term exposure limit (15 minutes) (ppm): 100
Annotations:
E = Substance has an EC limit.
H = The substance can be absorbed through the skin.

ammonia, anhydrous
Long term exposure limit (8 hours) (mg/m^3): 14
Long term exposure limit (8 hours) (ppm): 20
Annotations:
E = Substance has an EC limit.

Statutory order 1619 on exposure limits for substances and mixtures (19/12/2024)

DNEL

ammonia, aqueous solution

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	68 mg/kg uge/dag
Long term – Systemic effects - Workers	Dermal	6,8 mg/kg uge/dag
Short term – Systemic effects - General population	Dermal	68 mg/kg uge/dag
Short term – Systemic effects - Workers	Dermal	6,8 mg/kg uge/dag
Long term – Local effects - General population	Inhalation	2,8 mg/m3
Long term – Local effects - Workers	Inhalation	14 mg/m3
Long term – Systemic effects - General population	Inhalation	23,8 mg/m3
Long term – Systemic effects - Workers	Inhalation	47,6 mg/m3
Short term – Local effects - General population	Inhalation	7,2 mg/m3

Short term – Local effects - Workers	Inhalation	36 mg/m3
Short term – Systemic effects - General population	Inhalation	23,8 mg/m3
Short term – Systemic effects - Workers	Inhalation	47,6 mg/m3
Long term – Systemic effects - General population	Oral	6,8 mg/kg uge/dag
Short term – Systemic effects - General population	Oral	6,8 mg/kg uge/dag

ethanol

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - Workers	Dermal	343 mg/kg kropsvægt/dag
Long term – Systemic effects - Workers	Inhalation	950 mg/m3

propan-2-ol

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - General population	Dermal	319 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	888 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	89 mg/m3
Long term – Systemic effects - Workers	Inhalation	500 mg/m3
Long term – Systemic effects - General population	Oral	26 mg/kg bw/day

PNEC

ammonia, aqueous solution

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		0,0011 mg/l
Marine water		0,0011 mg/l

ethanol

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		2,75 mg/l
Soil		0,63 mg/kg dwt

propan-2-ol

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		140.9 mg/L
Freshwater sediment		552 mg/kg
Marine water		140.9 mg/L
Marine water sediment		552 mg/kg
Sewage treatment plant		2251 mg/L
Soil		28 mg/kg
Water		140.9 mg/L

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

No specific requirements.

Skin protection

No specific requirements.

Hand protection

No specific requirements.

Eye protection

Type	Standards
Safety glasses	EN166

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Blue

Odour / Odour threshold

Alcohol odor

pH

10

Density (g/cm^3)

0.98

Kinematic viscosity

No data available.

Particle characteristics

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C)

No data available.

Softening point/range (°C)

Does not apply to liquids.

Boiling point (°C)

No data available.

Vapour pressure

No data available.

Relative vapour density

No data available.

Decomposition temperature (°C)

No data available.

Data on fire and explosion hazards

Flash point (°C)

No data available.

Flammability (°C)

No data available.

Auto-ignition temperature (°C)

No data available.

Lower and upper explosion limit (% v/v)

No data available.

Solubility

Solubility in water

Completely soluble

n-octanol/water coefficient (LogKow)

No data available.

Solubility in fat (g/L)

No data available.

9.2. Other information

Other physical and chemical parameters

No data available.

Oxidizing properties

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity

Product/substance	ethanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	7060 mg/kg bdw ·

Product/substance	ethanol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD lo
Result:	20 gm/kg bdw ·

Product/substance	ethanol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	20000 ppm/10 H ·

Product/substance	propan-2-ol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	4570 mg/kg ·

Product/substance	propan-2-ol

Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	13400 mg/kg ·

Product/substance	propan-2-ol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	30 mg/l ·

Product/substance	(2-methoxymethylethoxy)propanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	> 5000 mg/kg ·

Product/substance	(2-methoxymethylethoxy)propanol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	9510 mg/kg ·

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

Skin corrosion/irritation
Based on available data, the classification criteria are not met.

Serious eye damage/irritation
Based on available data, the classification criteria are not met.

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

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

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.

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

11.2. Information on other hazards

Long term effects
None known.

Endocrine disrupting properties
This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information
propan-2-ol has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	ethanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	12,0 - 16,0 ml/l ·

Product/substance	ethanol
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	9268 - 14221 mg/l ·

Product/substance	propan-2-ol
Species:	Fish
Duration:	48 hours
Test:	LC50
Result:	8970-9280 mg/L ·

Product/substance	propan-2-ol
Species:	Daphnia
Duration:	24 hours
Test:	EC50
Result:	9714 mg/L ·

Product/substance	(2-methoxymethylethoxy)propanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	> 1000 mg/l ·

Product/substance	(2-methoxymethylethoxy)propanol
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	1919 mg/l ·

Product/substance	(2-methoxymethylethoxy)propanol
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	969 mg/l ·

Product/substance	ammonia, aqueous solution
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	0,89 mg/l ·

Product/substance	ammonia, aqueous solution
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	24 mg/l ·

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

12.2. Persistence and degradability

Product/substance	ethanol
Conclusion:	Readily biodegradable

Product/substance	(2-methoxymethylethoxy)propanol
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 F

12.3. Bioaccumulative potential

Product/substance	ethanol
Conclusion:	No potential for bioaccumulation

Product/substance	propan-2-ol
LogKow:	0,0500

Conclusion:	No potential for bioaccumulation

Product/substance	(2-methoxymethylethoxy)propanol
BCF:	99
LogKow:	0,3500
Conclusion:	No potential for bioaccumulation

Product/substance	ammonia, aqueous solution
LogKow:	0,9000
Conclusion:	No potential for bioaccumulation

12.4. Mobility in soil

propan-2-ol
LogKoc = 0.117995, High mobility potential.
(2-methoxymethylethoxy)propanol
LogKoc = 0.355565, High mobility potential.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code

20 01 29* Detergents containing dangerous substances

Specific labelling

Not applicable.

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

Restrictions for application
People under the age of 18 shall not be exposed to this product.
Demands for specific education
No specific requirements.
SEVESO - Categories / dangerous substances
ammonia, anhydrous
REACH, Annex XVII
ethanol is subject to REACH restrictions (entry 40).
propan-2-ol is subject to REACH restrictions (entry 40).
Labelling of contents according to Detergents Regulation (EC) No 648/2004
< 5%
· Anionic surfactants
Product registration number
1920387
Additional information
Not applicable.
Sources
The Danish Working Environment Authority's executive order no. 1049 of 30 May 2021 on young people's work.
Based on Council Directive 94/33 / EC of 22 June 1994 on the protection of young people at work.
Pregnant workers and workers who are breastfeeding (AT Guide A.1.8-6, amended 2024).
Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.
Executive Order no. 372 of 25 April 2016 on control of the risk of major accidents with dangerous substances.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).
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 (REACH).

15.2. Chemical safety assessment
No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3
H221, Flammable gas.
H225, Highly flammable liquid and vapour.
H314, Causes severe skin burns and eye damage.
H319, Causes serious eye irritation.
H331, Toxic if inhaled.
H335, May cause respiratory irritation.
H336, May cause drowsiness or dizziness.
H400, Very toxic to aquatic life.

Abbreviations and acronyms
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

mbh

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: DK-en