SAFETY DATA SHEET

Svejsevæske CA-218

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

1.1. Product identifier

Trade name

Svejsevæske CA-218

Unique formula identifier (UFI)

NTWN-2UED-GKNK-9CW3

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

Relevant identified uses of the substance or mixture

Industrial purposes, Lubricant

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

Pureno A/S
Gefionsvej 20
3400 Hillerød
Denmark
+45 70 260 267

Contact person

Lars Skaarup

E-mail

ls@pureno.dk

Revision

14/10/2024

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

Classified according to Regulation (EC) No. 1272/2008 (CLP).

2.1. Classification of the substance or mixture

Flam. Liq. 3; H226, Flammable liquid and vapour.
Eye Irrit. 2; H319, Causes serious eye irritation.
Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram(s)

Signal word

Warning

Hazard statement(s)

Flammable liquid and vapour. (H226)
Causes serious eye irritation. (H319)
Harmful to aquatic life with long lasting effects. (H412)

Precautionary statement(s)

General

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

Prevention

Wash hands thoroughly after handling. (P264)
Wear eye protection/protective gloves/protective clothing. (P280)

Response

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

Storage

Store in a well-ventilated place. Keep cool. (P403+P235)

Disposal

Dispose of contents/container in accordance with local regulation (P501)

Hazardous substances

None known.

Additional labelling

UFI: NTWN-2UED-GKNK-9CW3

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: 01-2120063206-63-XXXX Index No.: 603-002-00-5	25-40%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 (SCL: 50.00 %)	
propan-2-ol;isopropyl alcohol;isopropanol	CAS No.: 67-63-0 EC No.: 200-661-7 REACH: Index No.: 603-117-00-0	3-5%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	
amider, C8-18- og C18-umættede, N,N-bis-(hydroxyethyl)	CAS No.: 68155-07-7 EC No.: 931-329-6 REACH: Index No.:	1-3%	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411	[19]

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

Other information

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

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 immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. 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

Rinse with water until pain stops then continue to rinse for 30 minutes.

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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.
Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

If eye irritation persists: Get medical advice/attention.

Information to medics

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Flammable liquid and vapour.
In use may form flammable/explosive vapour-air 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

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the chemical emergency services on 72 85 20 00 (24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.
Ensure adequate ventilation, especially in confined areas.
Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.
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

Ground and bond container and receiving equipment.
Use explosion-proof [electrical/lighting/ventilating] equipment.
Use non-sparking tools.
Take action to prevent static discharges.
It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.
Avoid contact during pregnancy and while nursing.
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.
Take action to prevent static discharges.
Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Recommended storage material

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

Fire class

In accordance with the statutory order on flammable liquids the product is classified as a liquid of class II, subclass 2 (1 storage unit = 5 Liter).

Storage conditions

> 0°C

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;isopropyl alcohol;isopropanol
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

Statutory order 291 on exposure limits for substances and mixtures (19/03/2024)

DNEL

amider, C8-18- og C18-umættede, N,N-bis-(hydroxyethyl)

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Dermal	0,056 mg/cm2
Long term – Local effects - General population	Dermal	56.2 µg/cm^2
Long term – Local effects - Workers	Dermal	0,09 mg/cm2

Long term – Local effects - Workers	Dermal	93.6 µg/cm²
Long term – Systemic effects - General population	Dermal	2,5 mg/kg bw/day
Long term – Systemic effects - General population	Dermal	2.5 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	4,16 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	4.16 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	21,73 mg/m3
Long term – Systemic effects - General population	Inhalation	21.73 mg/m³
Long term – Systemic effects - Workers	Inhalation	73,4 mg/m3
Long term – Systemic effects - Workers	Inhalation	73.4 mg/m³
Long term – Systemic effects - General population	Oral	6,25 mg/kg bw/day
Long term – Systemic effects - General population	Oral	6.25 mg/kg bw/day

ethanol

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - General population	Dermal	206 mg/kg legemsvægt pr. dag
Long term – Systemic effects - General population	Dermal	206 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	343 mg/kg legemsvægt pr. dag
Long term – Systemic effects - Workers	Dermal	343 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	114 mg/m3
Long term – Systemic effects - General population	Inhalation	114 mg/m³
Long term – Systemic effects - Workers	Inhalation	950 mg/m3
Long term – Systemic effects - Workers	Inhalation	380 mg/m³
Short term – Local effects - General population	Inhalation	950 mg/m3
Short term – Local effects - General population	Inhalation	950 mg/m³
Short term – Local effects - Workers	Inhalation	1900 mg/m3
Short term – Local effects - Workers	Inhalation	1900 mg/m³
Long term – Systemic effects - General population	Oral	87 mg/kg legemsvægt pr. dag
Long term – Systemic effects - General population	Oral	87 mg/kg bw/day

propan-2-ol;isopropyl alcohol;isopropanol

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - General population	Dermal	319mg/kg bw/dag
Long term – Systemic effects - General population	Dermal	319 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	888 mg/kg bw/dag
Long term – Systemic effects - Workers	Dermal	888 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	89mg/m3
Long term – Systemic effects - General population	Inhalation	89 mg/m³
Long term – Systemic effects - Workers	Inhalation	500 mg7m3
Long term – Systemic effects - Workers	Inhalation	500 mg/m³
Short term – Systemic effects - General population	Inhalation	178 mg/m³
Short term – Systemic effects - Workers	Inhalation	1000 mg/m³
Long term – Systemic effects - General population	Oral	26mg/kg bw/dag
Long term – Systemic effects - General population	Oral	26 mg/kg bw/day
Short term – Systemic effects - General population	Oral	51 mg/kg bw/day

PNEC

amider, C8-18- og C18-umættede, N,N-bis-(hydroxyethyl)

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,0024 mg/l
Freshwater		7 µg/L
Freshwater sediment		0,0145 mg/kg
Freshwater sediment		195 µg/kg
Intermittent release		0,024 mg/l
Intermittent release (freshwater)		24 µg/L
Marine water		0,00024 mg/l
Marine water		700 ng/L
Marine water sediment		19.5 µg/kg
Sewage treatment plant		0,83 mg/l
Sewage treatment plant		830 mg/L
Soil		0,00648 mg/kg tør vægt
Soil		34.8 µg/kg

ethanol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,96 mg/l
Freshwater		960 µg/L
Freshwater sediment		3,6 mg/kg
Freshwater sediment		3.6 mg/kg
Intermittent release		2,75 mg/l
Intermittent release (freshwater)		2.75 mg/L
Marine water		0,79 mg/l
Marine water		790 µg/L
Marine water sediment		2,9 mg/kg
Marine water sediment		2.9 mg/kg
Predators		380-720 mg/kg
Sewage treatment plant		580 mg/l
Sewage treatment plant		580 mg/L
Soil		0,63 mg/kg
Soil		630 µg/kg

propan-2-ol;isopropyl alcohol;isopropanol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		140,9 mg/l
Freshwater		140.9 mg/L
Freshwater sediment		552 mg/kg
Freshwater sediment		552 mg/kg
Intermittent release		140,9 mg/l
Intermittent release (freshwater)		140.9 mg/L
Marine water		140,9 mg/l
Marine water		140.9 mg/L
Marine water sediment		552mg/kg
Marine water sediment		552 mg/kg
Predators		160 mg/kg
Sewage treatment plant		251 mg/l

Sewage treatment plant	2.251 g/L
Soil	28 mg/kg
Soil	28 mg/kg

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

Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

Type	Class	Colour	Standards
No special when used as intended.			

Skin protection

Recommended	Type/Category	Standards	
Dedicated work clothing should be worn	-	-	

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	0.3	> 60	EN374-2, EN374-3, EN388	

Eye protection

Type	Standards	
Safety glasses with side shields.	EN166	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Colourless

Odour / Odour threshold

None

pH
7

Density (g/cm^3)
0.98

Kinematic viscosity
No relevant or available data due to the nature of the product.

Particle characteristics
Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C)
No relevant or available data due to the nature of the product.

Softening point/range (°C)
Does not apply to liquids.

Boiling point (°C)
No relevant or available data due to the nature of the product.

Vapour pressure
No relevant or available data due to the nature of the product.

Relative vapour density
No relevant or available data due to the nature of the product.

Decomposition temperature (°C)
No relevant or available data due to the nature of the product.

Data on fire and explosion hazards

Flash point (°C)
28

Flammability (°C)
The material is ignitable.

Auto-ignition temperature (°C)
No relevant or available data due to the nature of the product.

Lower and upper explosion limit (% v/v)
No relevant or available data due to the nature of the product.

Solubility

Solubility in water
Completely soluble

n-octanol/water coefficient (LogKow)
No relevant or available data due to the nature of the product.

Solubility in fat (g/L)
No relevant or available data due to the nature of the product.

9.2. Other information

Other physical and chemical parameters
No data available.

Oxidizing properties
No relevant or available data due to the nature of the product.

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
Avoid static electricity.
Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

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:	10470 mg/kg ·

Product/substance	ethanol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>17100 mg/kg ·

Product/substance	ethanol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	124,7 mg/l ·

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg ·

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	5840 mg/kg ·

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	66,1mg/l 4 h ·

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	47,5mg/l 8 h ·

Product/substance	amider, C8-18- og C18-umættede, N,N-bis-(hydroxyethyl)
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>5000mg/kg ·

Product/substance	amider, C8-18- og C18-umættede, N,N-bis-(hydroxyethyl)
Species:	Rat
Route of exposure:	Oral
Test:	LC50
Result:	>2000 mg/kg ·

Product/substance	amider, C8-18- og C18-umættede, N,N-bis-(hydroxyethyl)
Species:	Rabbit
Route of exposure:	Dermal
Test:	LC50
Result:	>2000mg/kg ·

Product/substance	amider, C8-18- og C18-umættede, N,N-bis-(hydroxyethyl)
Species:	Rat
Route of exposure:	Dermal
Test:	NOAEL
Result:	>1000 mg/kg ·

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

Serious eye damage/irritation
Causes serious eye irritation.

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
Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure. Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

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;isopropyl alcohol;isopropanol has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	ethanol
Species:	Fish
Duration:	48 hours
Test:	LC50
Result:	8150 mg/l ·

Product/substance	ethanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	1100 mg/l ·

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

Product/substance	ethanol
Species:	Algae
Duration:	7 days
Test:	EC0
Result:	5000 mg/l ·

Product/substance	ethanol
Species:	Crustacean
Duration:	16 hours
Test:	EC0
Result:	6500 mg/l ·

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Algae
Duration:	8 days
Test:	NOEC
Result:	>1800 mg/l ·

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	8970-9280 mg/l ·

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Daphnia
Duration:	24 hours
Test:	EC50
Result:	9714 mg/l ·

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Crustacean
Duration:	18 hours
Test:	EC10
Result:	5175 mg/l ·

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Crustacean
Duration:	No data available.
Test:	EC50
Result:	>1000mg/l ·

Product/substance	amider, C8-18- og C18-umættede, N,N-bis-(hydroxyethyl)
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	1-5mg/l ·

Product/substance	amider, C8-18- og C18-umættede, N,N-bis-(hydroxyethyl)
Species:	Daphnia
Duration:	72 hours
Test:	EC50
Result:	5-15 mg/l ·

Product/substance	amider, C8-18- og C18-umættede, N,N-bis-(hydroxyethyl)
Species:	Algae
Duration:	48 hours
Test:	EC50
Result:	1-5 mg/l ·

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

Product/substance	ethanol
Conclusion:	Readily biodegradable

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Result:	95%
Conclusion:	Readily biodegradable
Test:	OECD 301 E

12.3. Bioaccumulative potential

Product/substance	ethanol
Conclusion:	No potential for bioaccumulation

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Conclusion:	No potential for bioaccumulation

12.4. Mobility in soil

No data available.

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

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.
This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)
To the extent the material has not been subject to regular tests of peroxide formation the waste shall be treated as explosive waste.
HP 3 - Flammable
HP 4 - Irritant (skin irritation and eye damage)
Dispose of contents/container to an approved waste disposal plant.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code

20 01 13*	Solvents

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	1987	ALCOHOLS, N.O.S. (ethanol, propan-2-ol)	Transport hazard class: 3 Label: 3 Classification code: F1	II	No	Limited quantities: 1 L Tunnel restriction code: 2 (D/E) See below for additional information.
IMDG	1987	ALCOHOLS, N.O.S. (ethanol, propan-2-ol)	Transport hazard class: 3 Label: 3	II	No	Limited quantities: 1

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
			Classification code: F1			L EmS: F-E S-D See below for additional information.
IATA	1987	ALCOHOLS, N.O.S. (ethanol, propan-2-ol)	Transport hazard class: 3 Label: 3 Classification code: F1	II	No	See below for additional information.

* Packing group

** Environmental hazards

Additional information

This product is within scope of the regulations of transport of dangerous goods.
ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.
IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.
IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

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.
Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

No specific requirements.

SEVESO - Categories / dangerous substances

P5c - FLAMMABLE LIQUIDS, Qualifying quantity (lower-tier): 5.000 tonnes / (upper-tier): 50.000 tonnes

REACH, Annex XVII

ethanol is subject to REACH restrictions (entry 40).
propan-2-ol;isopropyl alcohol;isopropanol is subject to REACH restrictions (entry 40).

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 2020).
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

H225, Highly flammable liquid and vapour.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H336, May cause drowsiness or dizziness.
H411, Toxic to aquatic life with long lasting effects.

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

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).
The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).
The classification of the mixture in regard to physical hazards has been based on experimental data.

The safety data sheet is validated by

Lisbet Tetsche

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