

Safety Data Sheet

according to UK REACH Regulation

VELIND Kühlerfrostschutz -30° gebrauchsfertig (violett)

Revision date: 21.06.2023

Product code: 32252

Page 1 of 11

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

1.1. Product identifier

VELIND Kühlerfrostschutz -30° gebrauchsfertig (violett)

UFI: 10AV-22WR-K00V-5QRE

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

Use of the substance/mixture

Anti-freezing agent

Uses advised against

No information available. Use(Usage) exclusively according to labelled intended purpose!

1.3. Details of the supplier of the safety data sheet

Company name:	VELIND Aerosol GmbH	
Street:	Passower Chaussee 111	
Place:	D-16303 Schwedt/O	
Telephone:	+49 33 32 / 4 50 88 - 0	Telefax: +49 33 32 / 4 50 88 - 30
e-mail:	info@velind.de	
Contact person:	Just	Telephone: 11
e-mail:	qs@velind.de	
Internet:	www.velind.de	
Responsible Department:	QS	

1.4. Emergency telephone number: GGIZ der Länder Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt und Thüringen: +49 3 61 / 7 30 73 -0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Acute Tox. 4; H302
STOT RE 2; H373

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

ethanediol, ethylene glycol

Signal word: Warning

Pictograms:



Hazard statements

H302 Harmful if swallowed.
H373 May cause damage to organs (Niere) through prolonged or repeated exposure.

Precautionary statements

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.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.

Safety Data Sheet

according to UK REACH Regulation

VELIND Kühlerfrostschutz -30° gebrauchsfertig (violett)

Revision date: 21.06.2023

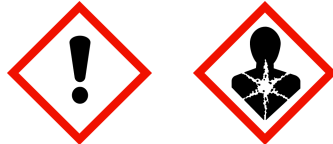
Product code: 32252

Page 2 of 11

P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of the Contents/container of waste according to with local/national regulations applicable legislation.

Labelling of packages where the contents do not exceed 125 ml

Signal word: Warning

Pictograms:


Hazard statements

H302-H373

Precautionary statements

P101-P102-P103-P270-P301+P312-P501

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name	Quantity
	EC No	Index No
		REACH No
	Classification (GB CLP Regulation)	
107-21-1	ethanediol, ethylene glycol	45 - < 50 %
	203-473-3	603-027-00-1
		01-2119456816-28
	Acute Tox. 4, STOT RE 2; H302 H373	
17265-14-4	Dinatriumsebacat	1 - < 5 %
	241-300-3	
	Eye Irrit. 2; H319	
29385-43-1	Mezhyll-1H-benzotriazol	< 1 %
	249-596-6	01-2119979081-35
	Repr. 2, Acute Tox. 4, Aquatic Chronic 2; H361d H302 H411	

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
107-21-1	203-473-3	ethanediol, ethylene glycol	45 - < 50 %
		inhalation: LC50 = >2,5 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = 1600 mg/kg STOT RE 2; H373: >= 10 - 100	
29385-43-1	249-596-6	Mezhyll-1H-benzotriazol	< 1 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = 720 mg/kg Repr. 2; H361d: >= 3 - 100	

Further Information

It contains no nitrite, amine, phosphate, borate or silicate.

SECTION 4: First aid measures

4.1. Description of first aid measures

Safety Data Sheet

according to UK REACH Regulation

VELIND Kühlerfrostschutz -30° gebrauchsfertig (violett)

Revision date: 21.06.2023

Product code: 32252

Page 3 of 11

General information

Remove contaminated, saturated clothing immediately. First aider: Pay attention to self-protection! Move victim out of danger zone.

After inhalation

Provide fresh air. Move victim out of danger zone. In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with skin

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

After contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Do NOT induce vomiting. Call a physician immediately.

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

The following symptoms may occur::

Intoxication. unconsciousness. Headache. drowsiness. vomiting. Dizziness.

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

Treat symptomatically. This information is not available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam. Carbon dioxide (CO₂). Water spray. dry extinguishing powder. Water fog.
Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop. Vapours are heavier than air and will spread at floor level. Beware of reignition. Special exposure hazards arising from the substance itself, combustion products, resulting gases: Carbon monoxide Carbon dioxide.

5.3. Advice for firefighters

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

Additional information

Move undamaged containers from immediate hazard area if it can be done safely. Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Remove according to the regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Provide adequate ventilation. Wear personal protection equipment. Keep away from sources of ignition - No smoking.

6.2. Environmental precautions

Provide fresh air. Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Other information

Ventilate affected area. Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Collect in closed containers for disposal.

Safety Data Sheet

according to UK REACH Regulation

VELIND Kühlerfrostschutz -30° gebrauchsfertig (violett)

Revision date: 21.06.2023

Product code: 32252

Page 4 of 11

6.4. Reference to other sections

Safe handling: see section 7
 Personal protection equipment: see section 8
 Disposal: see section 13

See protective measures under point 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

When using do not eat, drink, smoke, sniff. Keep out of the reach of children. Read label before use. Observe in addition any national regulations!

Advice on protection against fire and explosion

Protect from sunlight. Store in a well-ventilated place. Keep only in the original container in a cool, well-ventilated place.

Advice on general occupational hygiene

When using do not eat, drink, smoke, sniff. Personal protection equipment. Contaminated work clothing should not be allowed out of the workplace. Technical ventilation of workplace.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in a cool, well-ventilated place. Maximum storage temperature: 50°C Further information concerning storage conditions: The floor should be leak tight, jointless and not absorbent. Ensure adequate ventilation of the storage area.

Hints on joint storage

Keep away from: Oxidizing agents. strong alkalis. Strong acid.

Further information on storage conditions

Fire class: B

7.3. Specific end use(s)

Anti-freezing agent

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
107-21-1	Ethane-1,2-diol, vapour	20	52		TWA (8 h)	WEL
		40	104		STEL (15 min)	WEL

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
107-21-1	ethanediol, ethylene glycol			
	Worker DNEL, long-term	inhalation	local	35 mg/m ³
	Worker DNEL, long-term	dermal	systemic	106 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	local	7 mg/m ³
	Consumer DNEL, long-term	dermal	systemic	53 mg/kg bw/day

Safety Data Sheet

according to UK REACH Regulation

VELIND Kühlerfrostschutz -30° gebrauchsfertig (violett)

Revision date: 21.06.2023

Product code: 32252

Page 5 of 11

PNEC values

CAS No	Substance	Value
Environmental compartment		
107-21-1	ethanediol, ethylene glycol	
Freshwater		10 mg/l
Marine water		1 mg/l
Freshwater sediment		20,9 mg/kg
Micro-organisms in sewage treatment plants (STP)		199,5 mg/l
Soil		1,53 mg/kg

8.2. Exposure controls



Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations. Exposure controls / Personal protection equipment

Individual protection measures, such as personal protective equipment

Eye/face protection

With correct and proper use, and under normal conditions, not required.
Recommendation: Wear eye/face protection.

Hand protection

Tested protective gloves are to be worn: The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Suitable material: NBR (Nitrile rubber). Butyl rubber. Observe Glove plan!

Thickness of glove material: 0,7mm

Breakthrough times and swelling properties of the material must be taken into consideration.

Protect skin by using skin protective cream. Observe skin protection programme.

Apply skin care products after work.

Skin protection

With correct and proper use, and under normal conditions, not required.

Wear personal protection equipment.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. Respiratory protection necessary at: exceeding exposure limit values. Filtering device (full mask or mouthpiece) with filter: A-P2

Environmental exposure controls

No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
 Colour: violett
 Odour: characteristic

Test method

Melting point/freezing point: not determined

Safety Data Sheet

according to UK REACH Regulation

VELIND Kühlerfrostschutz -30° gebrauchsfertig (violett)

Revision date: 21.06.2023

Product code: 32252

Page 6 of 11

Boiling point or initial boiling point and boiling range:	197,4 °C
Flammability:	not applicable not applicable
Lower explosion limits:	3 vol. %
Upper explosion limits:	28 vol. %
Flash point:	111 °C ASTM D 3278
Auto-ignition temperature:	398 °C
Decomposition temperature:	not determined
pH-Value (at 20 °C):	~8,7
Water solubility:	easily soluble
Solubility in other solvents	not determined
Partition coefficient n-octanol/water:	not determined
Vapour pressure: (at 25 °C)	0,1 hPa
Density (at 20 °C):	1,06 g/cm ³
Bulk density:	not applicable
Relative vapour density:	not determined

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

The product is not: Explosive. not explosive. In use, may form flammable/explosive vapour-air mixture.

Self-ignition temperature

Solid:

not applicable

Gas:

not applicable

Oxidizing properties

The product is not: oxidising.

Other safety characteristics

Evaporation rate:

not determined

Solid content:

not determined

Viscosity / dynamic:

DIN 51550

SECTION 10: Stability and reactivity

10.1. Reactivity

The product has not been tested.

10.2. Chemical stability

Stable with proper storage and handling.

10.3. Possibility of hazardous reactions

No decomposition if used as intended

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air. Refer to chapter 7.

Take precautionary measures against static discharges.

10.5. Incompatible materials

Refer to chapter 7.

Materials to avoid: Oxidizing agents.

10.6. Hazardous decomposition products

Refer to chapter 5.

No decomposition if used as intended

Safety Data Sheet

according to UK REACH Regulation

VELIND Kühlerfrostschutz -30° gebrauchsfertig (violett)

Revision date: 21.06.2023

Product code: 32252

Page 7 of 11

In case of fire may be liberated: Carbon monoxide. Carbon dioxide.
Thermal decomposition can lead to the escape of irritating gases and vapours.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Toxicokinetics, metabolism and distribution

Mixture not tested. There are no data available on the preparation/mixture itself.

Acute toxicity

Harmful if swallowed.

There are no data available on the mixture itself.

ATEmix calculated

ATE (oral) 1002,1 mg/kg

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
107-21-1	ethanediol, ethylene glycol				
	oral	LD50 1600 mg/kg	The evaluation based on subjective human observations		
	dermal	LD50 >2000 mg/kg	Mouse		
	inhalation (4 h) dust/mist	LC50 >2,5 mg/l	Rat		
29385-43-1	Mezhyl-1H-benzotriazol				
	oral	LD50 720 mg/kg			
	dermal	LD50 >2000 mg/kg			

Irritation and corrosivity

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

There are no data available on the mixture itself.

Sensitising effects

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

There are no data available on the mixture itself.

Carcinogenic/mutagenic/toxic effects for reproduction

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

There are no data available on the mixture itself.

STOT-single exposure

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

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure. (ethanediol, ethylene glycol)

There are no data available on the mixture itself.

Aspiration hazard

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

Specific effects in experiment on an animal

There are no data available on the mixture itself. No data available

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP]. There are no data available on the mixture itself. No data available

Safety Data Sheet

according to UK REACH Regulation

VELIND Kühlerfrostschutz -30° gebrauchsfertig (violett)

Revision date: 21.06.2023

Product code: 32252

Page 8 of 11

Practical experience

The evaluation based on subjective human observations: May cause drowsiness or dizziness. Headache.

11.2. Information on other hazards

Further information

Mixture not tested. There are no data available on the preparation/mixture itself.

SECTION 12: Ecological information

12.1. Toxicity

Mixture not tested. There are no data available on the preparation/mixture itself.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
107-21-1	ethanediol, ethylene glycol					
	Acute fish toxicity	LC50 >100 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)		
	Acute algae toxicity	ErC50 >100 mg/l	96 h	Selenastrum capricornutum		
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna		
	Fish toxicity	NOEC 15380 mg/l	7 d	Pimephales promelas		
	Crustacea toxicity	NOEC 8590 mg/l	7 d	Ceriodaphnia spec		
17265-14-4	Dinatriumsebacat					
	Acute fish toxicity	LC50 >100 mg/l	96 h			
	Acute algae toxicity	ErC50 38,7 mg/l				
	Acute crustacea toxicity	EC50 >100 mg/l	48 h			
29385-43-1	MezhyI-1H-benzotriazol					
	Acute fish toxicity	LC50 180 mg/l	96 h			
	Acute algae toxicity	ErC50 75 mg/l		Pseudokirchneriella subcapitata		
	Acute crustacea toxicity	EC50 8,58 mg/l	48 h			
	Acute bacteria toxicity	(EC50 1060 mg/l)				

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
107-21-1	ethanediol, ethylene glycol	-1,36

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

No data available

Safety Data Sheet

according to UK REACH Regulation

VELIND Kühlerfrostschutz -30° gebrauchsfertig (violett)

Revision date: 21.06.2023

Product code: 32252

Page 9 of 11

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No data available

Further information

Avoid release to the environment. Mixture not tested. There are no data available on the preparation/mixture itself.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation. The waste codes are recommendations based on the scheduled use of this products. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances.

(2001/118/EC, 2001/119/EC, 2001/573/EC)

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

List of Wastes Code - used product

070604 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; other organic solvents, washing liquids and mother liquors; hazardous waste

List of Wastes Code - contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Hazardous waste according to Directive 2008/98/EC (waste framework directive). Handle contaminated packages in the same way as the substance itself. Recommendation: Dispose of waste according to applicable legislation. E.g. Dispose of contents/container to industrial incineration plant. Or: Dispose of this material and its container to hazardous or special waste collection point.

Do not empty into drains.

SECTION 14: Transport information

Land transport (ADR/RID)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

Safety Data Sheet

according to UK REACH Regulation

VELIND Kühlerfrostschutz -30° gebrauchsfertig (violett)

Revision date: 21.06.2023

Product code: 32252

Page 10 of 11

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information

Labelling for contents according to regulation (EC) No 648/2004, annex 7: No.

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

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

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2.

These details refer to the products as it is delivered.

Follow the instructions for use on the label.

* Data changed compared with the previous version.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

Safety Data Sheet

according to UK REACH Regulation

VELIND Kühlerfrostschutz -30° gebrauchsfertig (violett)

Revision date: 21.06.2023

Product code: 32252

Page 11 of 11

ErC50: Effective Concentration 50%, growth rate
NOEC: No Observed Effect Concentration
BCF: Bio-concentration factor
PBT: persistent, bioaccumulative, toxic
vPvB: very persistent, very bioaccumulative
RID: Regulations concerning the international carriage of dangerous goods by rail
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
VOC: Volatile Organic Compounds
SVHC: Substance of Very High Concern
@1602.B016012

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Acute Tox. 4; H302	Calculation method
STOT RE 2; H373	Calculation method

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs (Niere) through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)