

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Revision 31.05.2022 (GB) Version 1.9

KÜHLERSCHUTZ ANF

820xxx



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

1.1. Product identifier

Name of product

KÜHLERSCHUTZ ANF
Art-Nr 820xxx
UFI: KE82-60RK-5009-8TY9

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

Identified uses

Product categories [PC]

PC4 - Anti-freeze and de-icing products

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor

EUROLUB GmbH
Freisingerstraße 25-27, D-85386 Eching b. München
Phone +49 8165 9591-0, Fax +49 8165 9591-210
E-Mail info@eurolub.com
Internet www.eurolub.com

1.4. Emergency telephone number

Emergency advice

Phone +49 8165 9591-0
This number is only available at office times.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Acute Tox. 4	H302	
STOT RE 2	H373	

! Hazard statements for health hazards

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

2.2. Label elements

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



GHS07



GHS08

Signal word

Warning

! Hazard statements for health hazards

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Precautionary Statements

Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.

Response

P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P314 Get medical advice/attention if you feel unwell.
P330 Rinse mouth.

Disposal

P501 Dispose of contents / container in accordance with local regulations.

! Hazardous ingredients for labelling

ethanediol

2.3. Other hazards

Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
19766-89-3	243-283-8	2-ethylhexanoic acid	2 < 3	Repr. 2, H361d
107-21-1	203-473-3	ethanediol	> 90	Acute Tox. 4, H302 / STOT RE 2, H373
12045-78-2	601-707-2	Dipotassiumtetraborate-Tetrahydrate	0,3 - 1	Rep. 2, H361d

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.

Ensure of fresh air.

In case of skin contact

In case of contact with skin wash off with soap and water.

In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

In case of ingestion

If swallowed seek medical advice immediately and show the doctor packing or label.

If swallowed give water to drink.

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

Physician's information / possible symptoms

No information available.

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Physician's information / possible dangers

No information available.

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

Treatment (Advice to doctor)

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam

Dry powder

Water spray jet

5.2. Special hazards arising from the substance or mixture

In case of fire formation of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Wear full protective clothing.

Additional information

Collect contaminated firefighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Use personal protective clothing.

For emergency responders

Use personal protective clothing.

6.2. Environmental precautions

Do not discharge into the drains or bodies of water..

Collect contaminated water / firefighting water separately.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. general-purpose binder).

Additional Information

Informations for safe handling see chapter 7.

6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special measures necessary if used correctly.

General protective measures

Avoid contact with eyes and skin

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Hygiene measures

At work do not eat, drink and smoke.

Advice on protection against fire and explosion

Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Provide solvent-resistant and impermeable floor.

Keep only in original container.

Advice on storage compatibility

Store at cool and aired place and at distance to acids and alkalies.

Further information on storage conditions

Keep container tightly closed and store at cool and aired place.

Storage group 10

7.3. Specific end use(s)

Recommendation(s) for intended use

See section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2004/37/EC, 2006/15/EC or 2009/161/EU)

CAS No	Name	Code	[mg/m ³]	[ppm]	Remark
107-21-1	ethanediol	8 hours	52	20	skin
		Short-term	104	40	

8.2. Exposure controls

Respiratory protection

In case of insufficient ventilation or long-term effect use breathing apparatus.

Hand protection

Angaben zum Handschuhmaterial: Nitrilkautschuk, 0,4mm Schichtdicke. Permeationszeit nach EN 374 > 480 Minuten.

Eye protection

safety goggles with side protection

Other protection measures

Körperschuttmittel in Abhängigkeit von Tätigkeit und möglicher Einwirkung auswählen, z.B. Schürze, Schutzstiefel, Chemikalienschutzanzug.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

liquid

Colour

blue

Odour

characteristic

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	8,1				

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	Value	Temperature	at	Method	Remark
boiling point	> 165 °C				
melting point	< -18 °C				
Flash point	> 124 °C				
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	420 °C				
Self ignition temperature	not determined				
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	0,2 hPa	20 °C			
Relative density	1,122 g/cm ³				
Vapour density	not determined				
Solubility in water	not determined				
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity kinematic	20 - 30 mm ² /s	20 °C			
Oxidising properties	No information available.				
Explosive properties	No information available.				
9.2. Other information	No information available.				

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

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10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Substances to avoid

No hazardous reactions known.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	1600 mg/kg	rat (male)		
LD50 acute dermal	No data available			
LC50 acute inhalation	No data available			
Skin irritation	non-irritant	rabbit		
Eye irritation		No information available.		
Skin sensitization	non-sensitizing	Guinea pig		

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Mutagenicity	No information available.			
Reproduction-Toxicity	No information available.			
Carcinogenicity	No information available.			

Specific target organ toxicity (repeated exposure)

May cause damage to kidneys through prolonged or repeated exposure in contact with skin.

May cause damage to kidneys through prolonged or repeated exposure if swallowed.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LC50 > 100 mg/l (96 h)	Leuciscus idus		
Daphnia	EC50 > 100 g/m3 (48 h)	Daphnia magna		

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	Value	Species	Method	Validation
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Algae EC50 > 100 g/m3 (72 h)

Bacteria No information available.

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
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Biological degradability > 70 % (28 d) OECD 301 A readily degradable

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.	Name of waste
16 01 14*	antifreeze fluids containing hazardous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for the product

Remove in accordance with local official regulations.

Recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

Land and inland navigation transport ADR/RID

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No dangerous goods as defined by these transport regulations.

Marine transport IMDG

No dangerous goods as defined by these transport regulations.

Air transport ICAO/IATA-DGR

No dangerous goods as defined by these transport regulations.

Transport/further information

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

! SECTION 15: Regulatory information

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

Application restrictions

Anhang XVII der Verordnung (EG) Nr. 1907/2006: Nummer auf Liste 3,30

VOC standard

VOC content =0 %

VOC value 0 g/L

National regulations

Water hazard class 1

15.2. Chemical Safety Assessment

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

SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.8

H302 Harmful if swallowed.

H361d Suspected of damaging fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H373 May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).