

**Safety Data Sheet according to Regulation (EC)  
No. 1907/2006 (REACH)**

Revision 11.01.2022 (GB) Version 1.6

**KLARE SICHT WINTER KONZENTRAT**

803xxx



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

**1.1. Product identifier**

**Name of product**

KLARE SICHT WINTER KONZENTRAT  
Art-Nr 803xxx  
UFI: XY62-M00T-X00W-0126

**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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Flam. Liq. 3	H226	
Eye Irrit. 2	H319	

**Hazard statements for physical hazards**

H226 Flammable liquid and vapour.

**Hazard statements for health hazards**

H319 Causes serious eye irritation.

**2.2. Label elements**

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



GHS02



GHS07

**Signal word**

Warning

**Hazard statements for physical hazards**

H226 Flammable liquid and vapour.

**Hazard statements for health hazards**

H319 Causes serious eye irritation.

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**Precautionary Statements**

**Prevention**

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed.
- P240 Ground and bond container and receiving equipment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

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

**2.3. Other hazards**

**Results of PBT and vPvB assessment**

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

**SECTION 3: Composition/ information on ingredients**

**3.1. Substances**

not applicable

**3.2. Mixtures**

**Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
64-17-5	200-578-6	ethanol	50 - 60	Flam. Liq. 2, H225
67-63-0	200-661-7	propan-2-ol	< 1	Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336
107-21-1	203-473-3	ethanediol	< 10	Acute Tox. 4, H302 / STOT RE 2, H373

**Labelling for contents according to regulation (EC) No 648/2004, annex VII**

CITRAL (CAS 5392-40-5)

LIMONENE (CAS 5989-27-5)

less than 5 % anionic surfactants

perfumes

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

Remove contaminated soaked clothing immediately.  
In the event of persistent symptoms receive medical treatment.

**In case of inhalation**

Remove the casualty into fresh air and keep him immobile.  
Ensure of fresh air.  
In the event of symptoms refer for medical treatment.

**In case of skin contact**

In case of contact with skin wash off immediately with soap and water.  
Consult a doctor if skin irritation persists.

**In case of eye contact**

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

**In case of ingestion**

Do not induce vomiting.  
Rinse out mouth and give plenty of water to drink.

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

#### Physician's information / possible symptoms

Confusion

#### 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.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Alcohol-resistant foam

Dry fire-extinguishing substance

Carbon dioxide

Water spray jet

#### Unsuitable extinguishing media

Full water jet

### 5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

### 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.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Ensure adequate ventilation.

Remove persons to safety.

Use personal protective clothing.

Keep away sources of ignition.

Use breathing apparatus if exposed to vapours/dust/aerosol.

#### For emergency responders

Remove persons to safety.

Keep away sources of ignition.

### 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

Dilute with water.

Take up residues with suitable absorbent materials.

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#### Additional Information

Informations for personal protective equipment see chapter 8.

#### 6.4. Reference to other sections

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

In case of free handling thoroughly sucking off vapours is necessary.

Take measures against electrostatically charging.

Use antistatic tools.

Use explosion-protected equipment / fittings.

Use only in well-ventilated areas.

#### General protective measures

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

#### Hygiene measures

At work do not eat, drink and smoke.

Remove soiled or soaked clothing immediately.

Work in rooms with good ventilation.

#### Advice on protection against fire and explosion

The product is combustible.

Highly volatile, flammable components are released in processing.

Pay attention to general rules of internal fire prevention.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep only in original container.

#### Advice on storage compatibility

Keep at distance to combustible materials.

Store cool and at distance to acids or alkalies or combustible materials.

#### Further information on storage conditions

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

Storage group 3

### 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 <sup>3</sup> ]	[ppm]	Remark
107-21-1	ethanediol	8 hours	52	20	skin
		Short-term	104	40	

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## biological limits (TRGS 903)

CAS No	Name	Parameter	BGW	Examination material	Test date
67-63-0	propan-2-ol	Aceton	25 mg/l	B	b
67-63-0	propan-2-ol	Aceton	25 mg/l	U	b

## 8.2. Exposure controls

### Respiratory protection

Environment-independent breathing apparatus.

### ! Hand protection

chemical-resistant gloves

Angaben zum Handschuhmaterial [Art/Typ, Dicke, Durchdringzeit/Tragedauer, Benetzungstärke]: Nitrilkatuschuk, Empfohlene Materialstärke >0,7 mm. Wert für die Permeation: Level <480.

### Eye protection

safety goggles

### Other protection measures

Light protective clothing.

### Limitation and surveillance of the environment

See chapter 7. No additional measures necessary.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

liquid

#### Colour

blue

#### Odour

alcoholic

#### Odour threshold

not determined

### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value</b>	not determined				
<b>starts to boil</b>	78 °C				
<b>Melting point / Freezing point</b>	not determined				
<b>Flash point</b>	23 °C				
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	not determined				
<b>Self ignition temperature</b>	425 °C				
<b>Lower explosion limit</b>	not determined				
<b>Upper explosion limit</b>	not determined				

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	Value	Temperature	at	Method	Remark
<b>Vapour pressure</b>	57,3 hPa	20 °C			
<b>Relative density</b>	0,91 g/cm <sup>3</sup>				
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>	not determined				
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity kinematic</b>	not determined				
<b>Oxidising properties</b>	No information available.				
<b>Explosive properties</b>	No information available.				
<b>9.2. Other information</b>	No information available.				

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Thermal decomposition can lead to the escape of irritating gases and vapours.

#### 10.2. Chemical stability

No information available.

#### 10.3. Possibility of hazardous reactions

Thermal decomposition can lead to the escape of irritating gases and vapours.

#### 10.4. Conditions to avoid

Evolution of flammable gases/vapours.

#### 10.5. Incompatible materials

##### Substances to avoid

No information available.

#### 10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	7060 mg/kg	rat		

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	Value/Validation	Species	Method	Remark
<b>LD50 acute dermal</b>	15800 mg/kg			
<b>LC50 acute inhalation</b>	124,7 mg/l (4 h)			
<b>Skin irritation</b>	No data available			
<b>Eye irritation</b>	Causes serious eye irritation.			
<b>Skin sensitization</b>	No data available			
<b>Sensitization respiratory system</b>	No data available			

**Subacute Toxicity - Carcinogenicity**

	Value	Species	Method	Validation
<b>Subacute Toxicity</b>				No information available.
<b>Subchronic Toxicity</b>				No information available.
<b>Chronic Toxicity</b>				No information available.
<b>Mutagenicity</b>				No information available.
<b>Reproduction-Toxicity</b>				No information available.
<b>Carcinogenicity</b>				No information available.
<b>Specific target organ toxicity (single exposure)</b>				No information available.
<b>Specific target organ toxicity (repeated exposure)</b>				No information available.
<b>Aspiration hazard</b>				No information available.
<b>Toxicity test (Additional information)</b>				No information available.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicological effects**

	Value	Species	Method	Validation
<b>Fish</b>	LC50 12 ml/l			
<b>Daphnia</b>	EC50 9268 - 14221 mg/l			
<b>Algae</b>	EC50 > 1000 mg/l			

**12.2. Persistence and degradability**

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Elimination rate	Method of analysis	Method	Validation
			readily degradable

**Biological  
degradability**

**12.3. Bioaccumulative potential**

No data available

**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 REACH, annex XIII.

**12.6. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Waste code No.**

07 01 04\*

**Name of waste**

other organic solvents, washing liquids and mother liquors

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
<b>14.1. UN number</b>	1987	1987	1987
<b>14.2. UN proper shipping name</b>	ALCOHOLS, N.O.S. (Ethanol, 2-Propanol)	ALCOHOLS, N.O.S. (Ethanol, 2-Propanol)	Alcohols, n.o.s. (Ethanol, 2-Propanol)
<b>14.3. Transport hazard class(es)</b>		3	3
<b>14.4. Packing group</b>	III	III	III
<b>14.5. Environmental hazards</b>	No	No	No

**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**

Hazard label(s) 3

Tunnel restriction code D/E

Classification code F1



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### SECTION 15: Regulatory information

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

##### VOC standard

VOC content =56 %  
VOC value =507 g/L

##### National regulations

##### Restriction of occupation

Observe employment restrictions for young people.

##### Other regulations, restrictions and prohibition regulations

ZH 1/75.1 "Regulations of inflammable liquids"

ZH 1/81 "Data Sheet for hazardous chemical substances"

Water hazard class 1

Decree for case of interference/  
remarks Störfallverordnung, Anhang II: gelistet unter P5c.

#### 15.2. Chemical Safety Assessment

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

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### 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: 1.5

H225 Highly flammable liquid and vapour.  
H302 Harmful if swallowed.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
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).