

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

Revision 12.10.2021 (GB) Version 1.2
SCHEIBENFROSTSCHUTZ FERTIGGEMISCH -20°C
10012xxx



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

1.1. Product identifier

Name of product SCHEIBENFROSTSCHUTZ FERTIGGEMISCH -20°C
Art-Nr 10012xxx
UFI: 8KQV-M09K-J008-NSDA

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	
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Hazard statements for physical hazards

H226 Flammable liquid and vapour.

2.2. Label elements

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



GHS02

Signal word

Warning

Hazard statements for physical hazards

H226 Flammable liquid and vapour.

Precautionary Statements

Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.

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Response

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P370 + P378 In case of fire: Use extinguishing powder or sand for extinction.

Storage

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

Disposal

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

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	20 - 40	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.

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 (CO₂)

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

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 ³]	[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

8.2. Exposure controls

Respiratory protection

Environment-independent breathing apparatus.

Hand protection

chemical-resistant gloves

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
pH value	not determined				
starts to boil	78 °C				
Melting point / Freezing point	not determined				
Flash point	28 °C				
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	not determined				
Self ignition temperature	425 °C				
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	57,3 hPa	20 °C			

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	Value	Temperature	at	Method	Remark
Relative density	0,961 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	not determined				
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

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
LD50 acute oral	7060 mg/kg	rat		
LD50 acute dermal	15800 mg/kg			

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

Subacute Toxicity - Carcinogenicity

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

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

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

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Biological degradability				readily degradable

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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
14.1. UN number	1987	1987	1987
14.2. UN proper shipping name	ALCOHOLS, N.O.S. (Ethanol, 2-Propanol)	ALCOHOLS, N.O.S. (Ethanol, 2-Propanol)	Alcohols, n.o.s. (Ethanol, 2-Propanol)
14.3. Transport hazard class(es)		3	3
14.4. Packing group	III	III	III
14.5. Environmental hazards	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 =28 %
VOC value =270 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** Accident decree, addendum II: not named.

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: 1.1

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).