

Trade name: Ethanolum 96% c camph 0,1%

Substance number: 021500

Version: 8 / CH

Date revised: 25.09.2024

Replaces Version: 7 / CH

Print date: 25.09.24

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

### **1.1. Product identifier**

Ethanolum 96% c camph 0,1%

Item No. 02150000

### **1.3. Details of the supplier of the safety data sheet**

#### **Address/Manufacturer**

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

### **1.4. Emergency telephone number**

Switzerland :145 / Abroad +41 (0)44 251 51 51

## **SECTION 2: Hazards identification \*\*\***

### **2.1. Classification of the substance or mixture**

#### **Classification (Regulation (EC) No. 1272/2008)**

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2

H225

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

### **2.2. Label elements**

#### **Labelling according to regulation (EC) No 1272/2008**

##### **Hazard pictograms**



##### **Signal word**

Danger

##### **Hazard statements**

H225 Highly flammable liquid and vapour.

##### **Precautionary statements**

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

P243 Take action to prevent static discharges.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501.3 Disposal in compliance with local and national regulations.

### **2.3. Other hazards**

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In use, may form flammable/explosive vapour-air mixture. Repeated exposure may cause skin dryness or cracking. Irritating to eyes, respiratory system and skin.

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

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

### **3.2. Mixtures**

#### **Chemical characterization**

Alcoholic solution

#### **Further ingredients \*\*\***

##### **ethanol**

CAS No.	64-17-5				
EINECS no.	200-578-6				
Registration no.	01-2119457610-43-0098				
Concentration		>=	95		%
Advice: [4]					
Classification (Regulation (EC) No. 1272/2008)					
	Flam. Liq. 2			H225	

##### **water**

CAS No.	7732-18-5				
EINECS no.	231-791-2				
Concentration		>=	1	<	10 %
Advice: [4]					

##### **Bornan-2-one**

CAS No.	76-22-2				
EINECS no.	200-945-0				
Registration no.	01-2119966156-31-XXXX				
Concentration		<	1		%
Advice: [4]					
Classification (Regulation (EC) No. 1272/2008)					
	Flam. Sol. 1			H228	
	Acute Tox. 4			H302	
	Acute Tox. 4			H332	
	Skin Irrit. 2			H315	
	Eye Dam. 1			H318	
	STOT SE 2			H371	

Lungs; Route of exposure:  
inhalative

#### **Note**

[4] Voluntary information

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

#### **After inhalation**

Ensure supply of fresh air. In the event of symptoms take medical treatment.

#### **After skin contact**

Wash immediately with plenty of water for several minutes. Consult a doctor if skin irritation persists.

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**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

**After ingestion**

Do not induce vomiting - aspiration hazard. Summon a doctor immediately.

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

Headache, Dizziness, Dizziness, Unconsciousness, Nausea

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide, Dry powder, Water spray jet, Extinguish greater fire with water spray or alcohol-resistant foam.

**Non suitable extinguishing media**

Full water jet

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

In case of fires, hazardous combustion gases are formed; Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>)

**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

**Other information**

Cool endangered containers with water spray jet.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protective clothing. Remove persons to safety. Ensure adequate ventilation. Keep away sources of ignition.

**6.2. Environmental precautions**

Dilute with lot of water. Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

**6.3. Methods and material for containment and cleaning up**

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder, sawdust). Ensure adequate ventilation. Don't rinse away with water.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Provide good ventilation of working area (local exhaust ventilation if necessary).

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking. Take action to prevent static discharges.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep tightly closed in a dry and cool place.

**Storage classes**

Storage class according to TRGS 510

3

Flammable liquid

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Storage category (Switzerland)

3

Flammable liquid

**Further information on storage conditions**

Product is hygroscopic. Store only in the open air or in explosion-proof rooms.

**SECTION 8: Exposure controls/personal protection \*\*\***

**8.1. Control parameters**

**Exposure limit values \*\*\***

**ethanol**

List	SUVA			
Type	MAK			
Value	960	mg/m <sup>3</sup>	500	ppm(V)
Short term exposure limit	1920	mg/m <sup>3</sup>	1000	ppm(V)
Pregnancy group: S; Remarks: SSc; Formal; INRS NIOSH				

**Derived No/Minimal Effect Levels (DNEL/DMEL)**

**ethanol**

Type of value	Derived No Effect Level (DNEL)			
Reference group	Worker			
Duration of exposure	Long term			
Route of exposure	dermal			
Mode of action	Systemic effects			
Concentration	343			mg/kg/d

Type of value	Derived No Effect Level (DNEL)			
Reference group	Worker			
Duration of exposure	Long term			
Route of exposure	inhalative			
Mode of action	Systemic effects			
Concentration	950			mg/m <sup>3</sup>

**Predicted No Effect Concentration (PNEC)**

**ethanol**

Type of value	PNEC			
Type	Freshwater			
Conditions	Long term			
Concentration	0.96			mg/l

Type of value	PNEC			
Type	Saltwater			
Concentration	0.79			mg/l

Type of value	PNEC			
Type	Freshwater sediment			
Concentration	3.6			mg/kg

Type of value	PNEC			
Type	Marine sediment			
Concentration	2.9			mg/kg

Type of value	PNEC			
Type	Freshwater			
Conditions	Intermittent			
Concentration	2.75			mg/l

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Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	580	mg/l

## 8.2. Exposure controls

### General protective and hygiene measures

Wash hands before breaks and after work.

### Respiratory protection

Not necessary, but do not inhale vapours.

### Hand protection

Appropriate Material      The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

### Eye protection

Tightly fitting safety glasses

### Body protection

Fire-resistant protective clothing

## SECTION 9: Physical and chemical properties \*\*\*

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

<b>Physical state</b>	liquid	
<b>Colour</b>	colourless, clear	
<b>Odour</b>	Alcohol	
<b>Freezing point</b>		
Value	-114	°C
<b>Boiling point or initial boiling point and boiling range</b>		
Value	78	°C
<b>Flammability</b>	Flammable.	
<b>Upper and lower explosive limits</b>		
Lower explosion limit	3.1	to 27.7 % (V)
<b>Flash point</b>		
Value	12	to 13 °C
Method	closed cup	
<b>Decomposition temperature</b>		
Remarks	No decomposition if used as prescribed.	
<b>pH value</b>		
Value	appr. 7	
Concentration/H <sub>2</sub> O	10	g/l
<b>Viscosity</b>		
<b>dynamic</b>		
Value	1.2	mPa.s
<b>kinematic</b>		
Value	1.52	mm <sup>2</sup> /s
<b>Partition coefficient n-octanol/water (log value)</b>		
log Pow	-0.3	

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**Vapour pressure**

Value	58		hPa
Temperature	20	°C	

**Density and/or relative density**

Value	0.807		g/cm <sup>3</sup>
Value	0.81		g/cm <sup>3</sup>
Temperature	20	°C	
Remarks	Relative Density according specification		

**Relative vapour density**

Value	1.6
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**9.2. Other information****Odour threshold**

Value	178	mg/m <sup>3</sup>
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**Evaporation rate (ether = 1) :**

Value	8
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**Solubility in water**

Remarks	Completely miscible
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**Auto-ignition temperature**

Value	400	°C
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**Oxidising properties**

evaluation	Not oxidising
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**Solvent content**

Value	93.9	%
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**Other information**

Forms explosive mixture with air are possible.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Risk of ignition or formation of inflammable gases or vapours with: Air

**10.2. Chemical stability**

No decomposition if stored and applied as directed.

**10.3. Possibility of hazardous reactions**

Possible incompatibility with materials listed under section 10.5.

**10.4. Conditions to avoid**

Keep away from sources of heat and ignition.

**10.5. Incompatible materials**

Reactions with strong oxidising agents. Reactions with strong acids. Reactions with earth alkali metals. Reactions with alkali metals.

**10.6. Hazardous decomposition products**

In the event of fire the following can be released: Carbon monoxide and carbon dioxide, Hazardous decomposition products: Flammable gases/vapours

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

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**Acute oral toxicity (Components)****ethanol**

Species	rat		
LD50		7060	mg/kg
Source	Toxicology and Applied Pharmacology. Vol. 16, Pg. 718, 1970.		

**ethanol**

Species	rat		
LD50		10470	mg/kg

**Bornan-2-one**

Species	mouse		
LD50		1310	mg/kg

**Acute dermal toxicity (Components)****ethanol**

Species	rabbit		
LD50		15800	mg/kg

**ethanol**

NOAEL		8232	mg/kg
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**Bornan-2-one**

Species	rabbit		
LD50	>	5000	mg/kg

**Acute inhalative toxicity (Components)****ethanol**

Species	rat		
LC50		30000	mg/m <sup>3</sup>
Duration of exposure		4	h
Administration/Form	Vapors		

**Bornan-2-one**

LC50		1.5	mg/l
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**Skin corrosion/irritation (Components)****ethanol**

evaluation	non-irritant
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**Serious eye damage/irritation (Components)****ethanol**

evaluation	irritant
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**Sensitization (Components)****ethanol**

evaluation	non-sensitizing
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**Mutagenicity (Components)****ethanol**

evaluation	No mutagenicity in the Ames-test.
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**11.2 Information on other hazards****Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

**SECTION 12: Ecological information \*\*\*****12.1. Toxicity**

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**General information**

There is no data available on the product apart from the information given in this subsection.

**Fish toxicity (Components)****ethanol**

Species	golden orfe ( <i>Leuciscus idus</i> )		
LC50	8140		mg/l
Duration of exposure	96	h	

**Bornan-2-one**

LC50	35		mg/l
Duration of exposure	96	h	

**Daphnia toxicity (Components)****ethanol**

Species	Daphnia magna		
EC50	9000	to	14000 mg/l
Duration of exposure	48	h	

**12.2. Persistence and degradability****General information**

There is no data available on the product apart from the information given in this subsection.

**Biodegradability**

Value	85		%
Duration of test	28	d	
Method	OECD 301		

**Biodegradability (Components)****ethanol**

Value	94		%
evaluation	Readily biodegradable		

**Chemical oxygen demand (COD) (Components)****ethanol**

Value	0.93	to	1.67	mg/g
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**12.3. Bioaccumulative potential****General information**

There is no data available on the product apart from the information given in this subsection.

**Partition coefficient n-octanol/water (log value)**

log Pow	-0.3
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**Octanol/water partition coefficient (log Pow) (Components)****ethanol**

log Pow	-0.31
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**Bioconcentration factor (BCF) (Components)****ethanol**

BCF	0.66
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**12.4. Mobility in soil****General information**

There is no data available on the product apart from the information given in this subsection.

**12.5. Results of PBT and vPvB assessment****General information**



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**Results of PBT and vPvB assessment \*\*\***

The product contains no PBT substances

The product contains no vPvB substances.

**Results of PBT and vPvB assessment (Ingredients)****ethanol**

The Substance doesn't meets PBT/vPvB-criteria

**12.6 Endocrine disrupting properties****Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

**12.7. Other adverse effects****General information / ecology**

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. The product is easily volatile.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations for the product**

EWC waste code 20 01 13\* solvents

Disposal in compliance with local and national regulations.

**Disposal recommendations for packaging**

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

Unpurified packings can contain mixtures of gas and air which are capable of explosion.

**SECTION 14: Transport information \*\*\***

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	Land transport ADR/RID ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
Tunnel restriction code	D/E		
14.1. UN number	1170	1170	1170
14.2. UN proper shipping name	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) (ethanol)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) (ethanol)	ETHANOL SOLUTION (ethanol)
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	II	II	II
Limited Quantity	1 I		
Transport category	2		

## SECTION 15: Regulatory information

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

#### Water Hazard Class (Germany)

Water Hazard Class (Germany)      WGK 1

Remarks      Derivation of WGK according to Annex 1 No. 5.2 AwSV

### 15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

## SECTION 16: Other information

### Hazard statements listed in Chapter 3

H225      Highly flammable liquid and vapour.

### CLP categories listed in Chapter 3

Flam. Liq. 2      Flammable liquid, Category 2

### Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.