

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

Substance number: 021500

Version: 7 / CH

Date revised: 27.03.2019

Replaces Version: 6 / CH

Print date: 27.03.19

## **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

9101 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.

### **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				
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. 2		H228		
	Acute Tox. 4		H302		
	Acute Tox. 4		H332		
	STOT SE 2		H371		

##### **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.

##### **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, Unconsciousness, Nausea

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## **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
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**

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**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; Status: 2017; Remarks: SSc; OAW, FormalKT HU; INRS, NIOSH				

**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>Form</b>	liquid		
<b>Colour</b>	colourless		
<b>Odour</b>	characteristic		
<b>Melting point</b>			
Value	-117		°C
<b>Initial boiling point and boiling range</b>			
Value	78		°C
<b>Flash point</b>			
Value	13		°C
<b>Flammability (solid, gas)</b>	Not self inflammable		
<b>Upper/lower flammability or explosive limits</b>			
Lower explosion limit	3.5	to	15.0 % (V)
<b>Vapour pressure</b>			
Value	5.9		kPa
Temperature	20	°C	
<b>Density</b>			
Value	0.807		g/cm <sup>3</sup>
<b>Solubility in water</b>	Remarks: Completely miscible		
<b>Ignition temperature</b>			
Value	425		°C
<b>Decomposition temperature</b>			

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Remarks No decomposition if used as prescribed.

**Viscosity****dynamic**

Value	1.2	mPa.s
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**kinematic**

Value	1.73	mm <sup>2</sup> /s
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**9.2. Other information****Solvent content**

Value	94	%
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Source	Safety Data Sheet Supplier	
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**Other information**

The product is not dangerous for explosions. 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 toxicological effects****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	to	5000 mg/kg

**Acute dermal toxicity (Components)****Ethanol**

Species	rabbit		
LD50	15800	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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**SECTION 12: Ecological information \*\*\*****12.1. Toxicity****General information**

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

**Fish toxicity (Components)****Bornan-2-one**

LC50		35	mg/l
Duration of exposure		96	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**

evaluation	Readily biodegradable
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**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.

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

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

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## 12.5. Results of PBT and vPvB assessment

### General information

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

### Evaluation of persistence and bioaccumulation potential (Components)

#### Ethanol

The Substance doesn't meets PBT/vPvB-criterions

## 12.6. 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 \*\*\*

	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 (ETHYL ALCOHOL 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

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### 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

### **SECTION 16: Other information**

#### **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.