



Trade name: Ethanolum 70% den. mit 5% Isopropanol/Sp

Substance number: 026200

Version: 4 / CH

Date revised: 02.07.12

Replaces Version: 3 / CH

Date of printing: 02.07.12

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Ethanolum 70% den. mit 5% Isopropanol/Sp  
Item-No. 02620000

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

#### Address

Hänseler AG  
Industriestrasse 35  
9101 Herisau  
Telephone no. 0041 (0)71 353 58 58  
E-mail address of person responsible for this SDS  
sdb@haenseler.ch

### 1.4. Emergency telephone number

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

## 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

#### Classification in accordance with EC directives

Classification R10

### 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/sparks/open flames/hot surfaces. - No smoking.  
P233 Keep container tightly closed.  
P243 Take precautionary measures against static discharge.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P370+P378.1 In case of fire: Use water sprayjet, carbon dioxide, alcohol-resistant foam or dry powder for extinction.  
P403+P235 Store in a well-ventilated place. Keep cool.

#### Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.



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**Hazard symbols**

Highly flammable

**R phrases**

11 Highly flammable.

**S phrases**

2 Keep out of the reach of children.  
 7 Keep container tightly closed.  
 16 Keep away from sources of ignition - No smoking.

**3. Composition/information on ingredients****Chemical characterization**

Alcoholic solution

**Hazardous ingredients****Ethanol**

CAS No.	64-17-5				
EINECS no.	200-578-6				
Concentration		>=	50		%
Classification	F, R11				

Classification (Regulation (EC) No. 1272/2008)  
 Flam. Liq. 2 H225

**Propan-2-ol**

CAS No.	67-63-0				
EINECS no.	200-661-7				
Concentration		>=	1	<	10 %
Classification	Xi, R36 F, R11 R67				

Classification (Regulation (EC) No. 1272/2008)  
 Flam. Liq. 2 H225  
 Eye Irrit. 2 H319  
 STOT SE 3 H336

**4. First aid measures****4.1. Description of first aid measures****General information**

If you feel unwell, seek medical advice (show the label where possible). Take off contaminated clothing and shoes immediately.

**After inhalation**

Ensure supply of fresh air. In the event of symptoms take medical treatment. Irregular breathing/no breathing: artificial respiration.

**After skin contact**



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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.). In case of irritation consult an oculist.

**After ingestion**

Consult a physician if necessary. Rinse out mouth and give plenty of water to drink.

## **5. Firefighting measures**

### **5.1. Extinguishing media**

**Suitable extinguishing media**

Water spray jet, Carbon dioxide, Alcohol-resistant foam, Dry powder, Extinguishing measures to suit surroundings

**Non Suitable extinguishing media**

Full water jet

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

In the event of a fire, toxic and combustible gases can be formed. 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-fighting**

Wear full protective suit. Use self-contained breathing apparatus.

**Other information**

Cool endangered containers with water spray jet.

## **6. Accidental release measures**

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

Ensure adequate ventilation. Remove persons to safety. Keep away sources of ignition.

### **6.2. Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

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

Take up with absorbent material (eg sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal. Clean up affected area.

## **7. Handling and storage**

### **7.1. Precautions for safe handling**

**Advice on safe handling**

Keep away from heat and sources of ignition. Take precautionary measures against electrostatic loading.

### **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 rooms must be properly ventilated.

## **8. Exposure controls/personal protection**

### **8.1. Control parameters**

**Exposure limit values**

Ethanol



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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)

Maximum limit value: 4x15; Pregnancy group: C; Status: 2005;

**Propan-2-ol**

List	SUVA			
Type	MAK			
Value	500	mg/m <sup>3</sup>	200	ppm(V)
Short term exposure limit	1000	mg/m <sup>3</sup>	400	ppm(V)

Maximum limit value: 4x15; Pregnancy group: C; Status: 2005; Remarks: B

**8.2. Exposure controls****General protective and hygiene measures**

Avoid any contact with the body. Observe the usual precautions when handling chemicals. Keep away from food-stuffs, beverages and feed-stocks. Hold eye wash fountain available. Hold emergency shower available. Wash thoroughly after work. Remove soiled or soaked clothing immediately.

**Respiratory protection**

necessary; Do not breathe vapours, dust or aerosol. Provide adequate ventilation.

**Hand protection**

Appropriate Material                      Gloves / resistant to chemicals

**Eye protection**

Tightly fitting safety glasses

**Body protection**

Fire-resistant protective clothing

**9. Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Form</b>	liquid
<b>Colour</b>	colourless
<b>Boiling point</b>	
Value	> 78 °C
Source	GESTIS-Stoffdatenbank ( <a href="http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp">http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp</a> )
<b>Flash point</b>	
Value	21 to 22 °C
Source	GESTIS-Stoffdatenbank ( <a href="http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp">http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp</a> )
<b>Vapour pressure</b>	
Value	< 5.8 kPa
Source	GESTIS-Stoffdatenbank ( <a href="http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp">http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp</a> )

**10. Stability and reactivity****10.4. Conditions to avoid**

Heat

**10.5. Incompatible materials**

Alkaline metals, Ammonia, peroxides, Oxidising agents



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## 10.6. Hazardous decomposition products

Hazardous determin decomposition products: Carbon monoxide, Carbon dioxide, Flammable gases/vapours

## 11. Toxicological information

### 11.1. Information on toxicological effects

#### Skin corrosion/irritation

Remarks Irritating effects on the skin and mucous membrane.

#### Serious eye damage/irritation

Remarks Eye contact with the product may lead to irritation.

#### Experience in practice

The solvent vapours cause an irritating effect to the respiratory organs. Causes disorders of the central nervous system and can cause headache, respiratory difficulties or unconsciousness. Causes a numb feeling. Liver damage is possible.

#### Other information

The product has not been tested. The information is derived from products of similar composition.

## 12. Ecological information

### 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.

## 13. Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations for the product

Disposal in compliance with local and national regulations.

#### Disposal recommendations for packaging

Dispose of as unused product.

## 14. Transport information

### Land transport ADR/RID

#### 14.1. UN number

UN 1170

#### 14.2. UN proper shipping name

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Danger releasing substance Ethanol, Propan-2-ol

#### 14.3. Transport hazard class(es)

Class 3

Label 3

#### 14.4. Packing group

Packing group II

### Marine transport IMDG/GGVSee

#### 14.1. UN number

UN 1170

#### 14.2. UN proper shipping name

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)



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Danger releasing substance Ethanol, Propan-2-ol

**14.3. Transport hazard class(es)**

Class 3

**14.4. Packing group**

Packing group II

**Air transport ICAO/IATA****14.1. UN number**

UN 1170

**14.2. UN proper shipping name**

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Danger releasing substance Ethanol, Propan-2-ol

**14.3. Transport hazard class(es)**

Class 3

**14.4. Packing group**

Packing group II

**15. Regulatory information****16. Other information****R-phrases listed in chapter 3**

11	Highly flammable.
36	Irritating to eyes.
67	Vapours may cause drowsiness and dizziness.

**Hazard statements listed in chapter 3**

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

**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.