



Trade name: Ethanolum 36% non potabile

Substance number: 020100

Version: 1 / CH

Date revised: 02.07.12

Replaces Version: - / CH

Date of printing: 02.07.12

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

### 1.1. Product identifier

Ethanolum 36% non potabile

Item-No. 02010000

### 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. 3 H226

#### Classification in accordance with EC directives

Classification R10

### 2.2. Label elements

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

#### Hazard pictograms



#### Signal Word

Warning

#### Hazard statements

H226 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 does not require a hazard warning label in accordance with EC directives/the relevant



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national laws.

**R phrases**

10 Flammable.

**S phrases**7 Keep container tightly closed.  
16 Keep away from sources of ignition - No smoking.**3. Composition/information on ingredients****Hazardous ingredients****Ethanol**

CAS No.	64-17-5				
EINECS no.	200-578-6				
Concentration		35	-	37	%
Classification	F, R11				

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

**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**

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**



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**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**

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;

**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.

**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



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## 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>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	> 24 °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> )
<b>Density</b>	
Value	0.950 to 0.957 g/cm <sup>3</sup>

## 10. Stability and reactivity

### 10.4. Conditions to avoid

Heat

### 10.5. Incompatible materials

Alkaline metals, Ammonia, peroxides, Oxidising agents

### 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

When handled appropriately, even after long years of experience with this product, no adverse health effects are known.

Product specific toxicological data are not known.

## 12. Ecological information



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## 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)

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

Class 3

Label 3

#### 14.4. Packing group

Packing group III

### Marine transport IMDG/GGVSee

#### 14.1. UN number

UN 1170

#### 14.2. UN proper shipping name

ETHANOL (ETHYL ALCOHOL)

#### 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 (ETHYL ALCOHOL)

#### 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.

### Hazard statements listed in chapter 3

H225 Highly flammable liquid and vapour.



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### 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.