



Trade name:

Substance number: 026250

Version: 1 / CH

Date revised: 15.08.12

Replaces Version: - / CH

Date of printing: 15.08.12

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

1.1. Product identifier

Item-No. 02625000

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 R11

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

Hazard symbols



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Highly flammable

R phrases

11 Highly flammable.

S phrases

7/9 Keep container tightly closed and in a well-ventilated place.

2 Keep out of the reach of children.

16 Keep away from sources of ignition - No smoking.

2.3. Other hazards

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

3. Composition/information on ingredients**Hazardous ingredients****Ethanol**

CAS No.	64-17-5		
EINECS no.	200-578-6		
Concentration	>=	94	%
Classification	F, R11		

Classification (Regulation (EC) No. 1272/2008)	Flam. Liq. 2	H225
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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, Dizziness, Unconsciousness, Nausea

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



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Full water jet

5.2. Special hazards arising from the substance or mixtureIn case of fires, hazardous combustion gases are formed; Carbon monoxide (CO); Carbon dioxide (CO₂)**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.

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)

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 - refrain from smoking. Take precautionary measures against static charges.

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

Keep tightly closed in a dry and cool place.

Further information on storage conditions

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

8. Exposure controls/personal protection**8.1. Control parameters****Exposure limit values****Ethanol**

List	SUVA			
Type	MAK			
Value	960	mg/m ³	500	ppm(V)
Short term exposure limit	1920	mg/m ³	1000	ppm(V)
Maximum limit value: 4x15; Pregnancy group: C; Status: 2005;				

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

Wash hands before breaks and after work.



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Respiratory protection

Not necessary, but do not inhale vapours.

Hand protection

impermeable gloves

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**

Form	liquid
Colour	colourless, clear
Density	
Value	806 to 807 kg/m ³
Thermal decomposition	
Remarks	No decomposition if used as prescribed.

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

Remarks No decomposition if used as prescribed.

10.5. Incompatible materialsReactions with strong oxidising agents. Reactions with strong acids. Reactions with earth alkali metals.
Reactions with alkali metals.**11. Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**

Reference substance	Ethanol			
Species	mouse			
LD50	3450	to	9500	mg/kg
Reference substance	Ethanol			
Species	rat			
LD50	6200	to	15000	mg/kg

Acute dermal toxicity

Reference substance	Ethanol			
Species	rabbit			
LD50	20000			mg/kg

Acute inhalational toxicity

Reference substance	Ethanol			
Species	mouse			
LC50	21000			ml/m ³
Duration of exposure	4	h		
Reference substance	Ethanol			
Species	rat			
LC50	63000			ml/m ³



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Duration of exposure 4 h

Skin corrosion/irritation

Remarks Irritating effects on the skin and mucous membrane.

Serious eye damage/irritation

Remarks Irritates the eyes and the skin.

Sensitization

Remarks No sensitisation effect known.

12. Ecological information**12.2. Persistence and degradability****Biodegradability**

Remarks The product is readily biodegradable according to OECD criteria.

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 highly volatile.

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

Disposal in compliance with local and national regulations.

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 II

Marine transport IMDG/GGVSee**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

14.4. Packing group

Packing group II

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

UN 1170



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14.2. UN proper shipping name

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group II

15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Ger.)**

Water Hazard Class (Ger.) WGK 2

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

11 Highly flammable.

Hazard statements listed in chapter 3

H225 Highly flammable liquid and vapour.

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.