

Trade name: Hänseler Desinfect Hände

Substance number: 027250

Version: 2 / CH

Date revised: 12.08.2020

Replaces Version: 1 / CH

Print date: 12.08.20

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

1.1. Product identifier

Hänseler Desinfect Hände

Item No. 02725000

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation

Disinfectant

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)

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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

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P403+P233 with water [or shower].
 P501.3 Store in a well-ventilated place. Keep container tightly closed.
 Disposal in compliance with local and national regulations.

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		>=	50		%
Advice: [4]					
Classification (Regulation (EC) No. 1272/2008)					
	Flam. Liq. 2		H225		

Water

CAS No.	7732-18-5				
EINECS no.	231-791-2				
Concentration		>=	25	<	50 %
Advice: [4]					

Glycerol

CAS No.	56-81-5				
EINECS no.	200-289-5				
Concentration		<	1		%
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		

Lungs; Route of exposure:
inhalative

Note

[4] Voluntary information

SECTION 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

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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.

SECTION 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 (CO₂)

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.

SECTION 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.

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

Keep away from heat and sources of ignition. 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 rooms must be properly ventilated.

Storage classes

Storage class according to TRGS 510	3	Flammable liquid
Storage category (Switzerland)	3	Flammable liquid

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SECTION 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)
Pregnancy group: S; Status: 2017; Remarks: SSc; OAW, FormalKT HU; INRS, NIOSH				

8.2. Exposure controls

General protective and hygiene measures

Avoid any contact with the body. Observe the usual precautions for handling chemicals. Keep away from food-stuffs, beverages and feed-stocks. Hold eye wash fountain available. Hold emergency shower available. Wash thoroughly after work. Take off immediately all contaminated clothing.

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Initial boiling point and boiling range

Value	> 78	°C
Source	GESTIS-Stoffdatenbank	

Flash point

Value	21 to 22	°C
Source	GESTIS-Stoffdatenbank	

Vapour pressure

Value	< 5.8	kPa
Source	GESTIS-Stoffdatenbank	

SECTION 10: Stability and reactivity

10.1. Reactivity

Formation of explosive gas/air mixtures.

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

Heat

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10.5. Incompatible materials

Alkaline metals, Ammonia, peroxides, Oxidising agents

10.6. Hazardous decomposition products

In the event of fire the following can be released: Carbon monoxide, 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

Glycerol

Species	rat		
LD50	12600		mg/kg

Glycerol

Species	rat		
NOAEL	1310		mg/kg

Acute dermal toxicity (Components)**Ethanol**

Species	rabbit		
LD50	15800		mg/kg

Bornan-2-one

Species	rabbit		
LD50	> 5000		mg/kg

Glycerol

Species	rabbit		
	> 10000		mg/kg

Acute inhalative toxicity (Components)**Ethanol**

Species	rat		
LC50	30000		mg/m ³
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

Remarks	Eye contact with the product may lead to irritation.
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Serious eye damage/irritation (Components)**Ethanol**

evaluation irritant

Mutagenicity (Components)**Glycerol**

evaluation No mutagenicity in the Ames-test.

Remarks Based on available data, the classification criteria are not met.

Glycerol

evaluation No mutagenicity according to various in vitro tests.

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.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity (Components)****Bornan-2-one**

LC50 35 mg/l

Duration of exposure 96 h

GlycerolMedi 68100 mg/l
an

Duration of exposure 96 h

GlycerolSpecies rainbow trout (*Oncorhynchus mykiss*)

LC50 54 g/l

Duration of exposure 96 h

Daphnia toxicity (Components)**Glycerol**Species Daphnia
EC50 10 g/l**Bacteria toxicity (Components)****Glycerol**Species *Pseudomonas putida*

EC5 > 10 g/l

Duration of exposure 16 h

12.2. Persistence and degradability**Biodegradability (Components)****Ethanol**

evaluation Readily biodegradable

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

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Value 0.93 to 1.67 mg/g

12.3. Bioaccumulative potential

General information

For this subsection there is no ecotoxicological data available on the product as such.

Octanol/water partition coefficient (log Pow) (Components)

Glycerol

log Pow

-1.76

Source

GESTIS-Stoffdatenbank

12.4. Mobility in soil

General information

For this subsection there is no ecotoxicological data available on the product as such.

12.5. Results of PBT and vPvB assessment

General information

For this subsection there is no ecotoxicological data available on the product as such.

Evaluation of persistence and bioaccumulation potential

Due to the distribution coefficient n-octanol/water, accumulation in organisms is not to be expected.

Evaluation of persistence and bioaccumulation potential (Components)

Ethanol

The Substance doesn't meets PBT/vPvB-criteria

12.6. Other adverse effects

General information

For this subsection there is no ecotoxicological data available on the product as such.

General information / ecology

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

SECTION 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.

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 (ETHYL ALCOHOL SOLUTION) (Ethanol)
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	II	II	II
Limited Quantity	11		
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

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.