

Trade name: Ethanolum 96% denaturat

Substance number: 150300

Version: 5 / CH

Date revised: 28.05.2025

Replaces Version: 4 / CH

Print date: 28.05.25

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

1.1. Product identifier

Ethanolum 96% denaturat

Item No. 15030000

Substance / product identification

UFI JCF0-90YV-U00J-CS07

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 person responsible for this SDS sdb@haenseler.ch

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.

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Substance number: 150300

Version: 5 / CH

Date revised: 28.05.2025

Replaces Version: 4 / CH

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P501.3

Disposal in compliance with local and national regulations.

2.3. Other hazards

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients *****Hazardous ingredients *******butanone**

CAS No. 78-93-3

EINECS no. 201-159-0

Concentration \geq 1.4 < 8.5 %

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2 H225

Eye Irrit. 2 H319

STOT SE 3 H336

ATE oral 4.29 mg/kg

Further ingredients *****ethanol**

CAS No. 64-17-5

EINECS no. 200-578-6

Registration no. 01-2119457610-43-0098

Concentration \geq 90 %

Advice: [4]

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2 H225

water

CAS No. 7732-18-5

EINECS no. 231-791-2

Concentration \geq 1 < 10 %

Advice: [4]

Note

[4] Voluntary information

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

In case of persistent symptoms consult doctor. Take off contaminated clothing and shoes immediately. If the patient is likely to become unconscious, place and transport in stable sideways position.

SECTION 5: Firefighting measures**SECTION 6: Accidental release measures****SECTION 7: Handling and storage**

Trade name: Ethanolum 96% denaturat

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Replaces Version: 4 / CH

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7.2. Conditions for safe storage, including any incompatibilities

Storage classes

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

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; Remarks: SSs; Formal; INRS NIOSH				

butanone

List	SUVA			
Type	MAK			
Value	590	mg/m ³	200	ppm(V)
Short term exposure limit	590	mg/m ³	200	ppm(V)
Skin resorption / sensibilisation: H; Pregnancy group: S; Remarks: H B SSs; NS, OAWKT HU; INRS, NIOSH, OSHA				

Derived No/Minimal Effect Levels (DNEL/DMEL)

ethanol

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	343	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	950	mg/m ³

butanone

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	600	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	1161	mg/kg/d

Trade name: Ethanolum 96% denaturat

Substance number: 150300

Version: 5 / CH

Date revised: 28.05.2025

Replaces Version: 4 / CH

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Predicted No Effect Concentration (PNEC)**ethanol**

Type of value	PNEC	
Type	Freshwater	
Conditions	Long term	
Concentration	0.96	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0.79	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	3.6	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	2.9	mg/kg
Type of value	PNEC	
Type	Freshwater	
Conditions	Intermittend	
Concentration	2.75	mg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	580	mg/l

8.2. Exposure controls**Respiratory protection**

Provide good ventilation of working area (local exhaust ventilation if necessary). At intensive and longer exposition use self-contained breathing apparatus. Full mask; Gas filter A. Multi-purpose filter ABEK

Hand protection

Appropriate Material	Butyl rubber
Material thickness	0.5 mm
Breakthrough time	> 8 h
Appropriate Material	Fluoro carbon rubber - FKM
Material thickness	0.4 mm
Breakthrough time	> 8 h
Appropriate Material	Polychloroprene
Material thickness	0.5 mm
Breakthrough time	appr. 2 h

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

Physical state	liquid
Colour	colourless
Odour	alcohol-like

Freezing point

Value	-114	°C
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Boiling point or initial boiling point and boiling range

Value	78	°C
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Version: 5 / CH

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Replaces Version: 4 / CH

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Pressure 1013 hPa

Upper and lower explosive limits

Lower explosion limit 3.5 to 15 %(V)

Flash point

Value 12 to 13 °C

Ignition temperature

Value 425 °C

Decomposition temperatureValue \geq 700 °C**pH value**

Value 7

Concentration/H₂O 10 g/l**Viscosity****dynamic**

Value 1.2 mPa.s

Temperature 20 °C

kinematicValue 1.52 mm²/s

Temperature 20 °C

Solubility(ies)

Temperature 20 °C

Remarks Miscible with organic solvents in all proportions

Partition coefficient n-octanol/water (log value)

log Pow -0.3

Vapour pressure

Value 59.0 hPa

Temperature 20 °C

Density and/or relative densityValue 0.81 g/cm³

Temperature 20 °C

9.2. Other information**Odour threshold**Value 178 mg/m³**Solubility in water**

Remarks Completely miscible

Other information

Forms explosive mixture with air are possible.

SECTION 10: Stability and reactivity**10.1. Reactivity**

Exothermic reaction with: Oxidising agents, Reducing agents, Acids, Alkaline metals, peroxides

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

Can react violent with oxygen rich (fire expediting) material. Risk of explosion. Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

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Substance number: 150300

Version: 5 / CH

Date revised: 28.05.2025

Replaces Version: 4 / CH

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10.4. Conditions to avoid

Sparks. Keep away from sources of heat and ignition. Flames

10.5. Incompatible materialsAlkaline metals, Strong oxidising agents, hydrogen peroxide (H₂O₂), Silvercompounds, sulphur, Reducing agents, Acids, peroxides**10.6. Hazardous decomposition products**

Flammable gases/vapours

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

ATE	214.5	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

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

butanone

Species	rat	
LD50	4.29	mg/kg

butanone

Species	rat	
LD50	3450	mg/kg

Acute dermal toxicity (Components)**ethanol**

Species	rabbit	
LD50	15800	mg/kg

ethanol

NOAEL	8232	mg/kg
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butanone

Species	rabbit	
LD50	> 8000	mg/kg

Acute inhalative toxicity (Components)**ethanol**

Species	rat	
LC50	30000	mg/m ³
Duration of exposure	4	h
Administration/Form	Vapors	

Skin corrosion/irritation (Components)**ethanol**

evaluation	non-irritant
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Serious eye damage/irritation (Components)**ethanol**

evaluation	irritant
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butanone

Species	rabbit
evaluation	irritant

Sensitization (Components)**ethanol**

evaluation	non-sensitizing
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butanone

Species	guinea pig
evaluation	non-sensitizing

Mutagenicity (Components)**ethanol**

evaluation	No mutagenicity in the Ames-test.
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11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

SECTION 12: Ecological information *****12.1. Toxicity****Fish toxicity (Components)****ethanol**

Species	golden orfe (<i>Leuciscus idus</i>)	
LC50	8140	mg/l
Duration of exposure	96 h	

Daphnia toxicity (Components)**ethanol**

Species	Daphnia magna	
EC50	9000 to 14000	mg/l
Duration of exposure	48 h	

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

Value	94	%
evaluation	Readily biodegradable	

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

Value	0.93 to 1.67	mg/g
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12.3. Bioaccumulative potential**Partition coefficient n-octanol/water (log value)**

log Pow	-0.3
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Octanol/water partition coefficient (log Pow) (Components)**ethanol**

log Pow	-0.31
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Bioconcentration factor (BCF) (Components)**ethanol**

Trade name: Ethanolum 96% denaturat

Substance number: 150300

Version: 5 / CH

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Replaces Version: 4 / CH

Print date: 28.05.25

BCF

0.66

12.5. Results of PBT and vPvB assessment**Results of PBT and vPvB assessment *****




The product contains no PBT substances

The product contains no vPvB substances.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 13: Disposal considerations**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 (ethanol)
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	II	II	II
Limited Quantity	1 l		
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**Hazard statements listed in Chapter 3**

H225 Highly flammable liquid and vapour.

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H319

Causes serious eye irritation.

H336

May cause drowsiness or dizziness.

CLP categories listed in Chapter 3

Eye Irrit. 2

Eye irritation, Category 2

Flam. Liq. 2

Flammable liquid, Category 2

STOT SE 3

Specific target organ toxicity - single exposure, Category 3

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.