

Trade name: Ethanolum 90% (V/V) DAB f. Hom

Substance number: 020295

Version: 1 / CH

Date revised: 13.07.2026

Replaces Version: - / CH

Print date: 13.07.26

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

1.1. Product identifier

Ethanolum 90% (V/V) DAB f. Hom

Item No. 02029500

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

Use of the substance/preparation

Manufacture of pharmaceutical products

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.

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Version: 1 / CH

Date revised: 13.07.2026

Replaces Version: - / CH

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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.

P501.3

Disposal in compliance with local and national regulations.

Reduced labeling (<= 125 ml)**Hazard pictograms****Signal word**

Danger

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.

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**3.2. Mixtures****Chemical characterization**

Alcoholic solution

Further ingredients**ethanol**

CAS No. 64-17-5

EINECS no. 200-578-6

Registration no. 01-2119457610-43-0098

Concentration >= 50 %

Advice: [3]

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

Flam. Liq. 2 H225

water

CAS No. 7732-18-5

EINECS no. 231-791-2

Concentration >= 10 < 25 %

Advice: [4]

Note

[3] Substance with occupational exposure limits

[4] Voluntary information

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

Trade name: Ethanolum 90% (V/V) DAB f. Hom

Substance number: 020295

Version: 1 / CH

Date revised: 13.07.2026

Replaces Version: - / CH

Print date: 13.07.26

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

SECTION 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

Full water jet

5.2. Special hazards arising from the substance or mixture

In 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.

SECTION 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).

SECTION 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 - No smoking. Take action to prevent static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Trade name: Ethanolum 90% (V/V) DAB f. Hom

Substance number: 020295

Version: 1 / CH

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Replaces Version: - / CH

Print date: 13.07.26

Requirements for storage rooms and vessels

Keep tightly closed in a dry and cool place.

Storage classes

Storage class according to TRGS 510 3 Flammable liquid

Storage category (Switzerland) 3 Flammable liquid

Further information on storage conditions

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

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: SSc; Formal; INRS NIOSH				

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

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

Trade name: Ethanolum 90% (V/V) DAB f. Hom

Substance number: 020295

Version: 1 / CH

Date revised: 13.07.2026

Replaces Version: - / CH

Print date: 13.07.26

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

General protective and hygiene measures

Wash hands before breaks and after work.

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state liquid

Boiling point or initial boiling point and boiling range

Value $\geq$ 78 °C

Source GESTIS-Stoffdatenbank

Flash point

Value 13 to 22 °C

Source GESTIS-Stoffdatenbank

Decomposition temperature

Remarks No decomposition if used as prescribed.

Vapour pressure

Value $\leq$ 5.8 kPa

Source GESTIS-Stoffdatenbank

SECTION 10: Stability and reactivity

10.1. Reactivity

Risk of ignition or formation of inflammable gases or vapours with: Air

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

Keep away from sources of heat and ignition.

Trade name: Ethanolum 90% (V/V) DAB f. Hom

Substance number: 020295

Version: 1 / CH

Date revised: 13.07.2026

Replaces Version: - / CH

Print date: 13.07.26

10.5. Incompatible materials

Reactions with strong oxidising agents. Reactions with strong acids. Reactions with earth alkali metals.
Reactions with alkali metals.

10.6. Hazardous decomposition products

In the event of fire the following can be released: Carbon monoxide and carbon dioxide, Hazardous
determin 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**

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

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

Acute dermal toxicity

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

Acute dermal toxicity (Components)**ethanol**

Species	rabbit		
LD50		15800	mg/kg

ethanol

NOAEL		8232	mg/kg
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Acute inhalational toxicity

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

Acute inhalative toxicity (Components)**ethanol**

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

Skin corrosion/irritation

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

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

evaluation	non-irritant
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Serious eye damage/irritation

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

Serious eye damage/irritation (Components)**ethanol**

evaluation	irritant
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Sensitization

Trade name: Ethanolum 90% (V/V) DAB f. Hom

Substance number: 020295

Version: 1 / CH

Date revised: 13.07.2026

Replaces Version: - / CH

Print date: 13.07.26

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

Sensitization (Components)**ethanol**

evaluation non-sensitizing

Mutagenicity

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

Mutagenicity (Components)**ethanol**

evaluation No mutagenicity in the Ames-test.

Reproductive toxicity

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

Carcinogenicity

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

Specific Target Organ Toxicity (STOT)**Single exposure**

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

Repeated exposure

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

Aspiration hazard

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

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****General information**

There is no data available on the product apart from the information given in this subsection.

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**General information**

There is no data available on the product apart from the information given in this subsection.

Biodegradability (Components)**ethanol**

Value	94	%
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Trade name: Ethanolum 90% (V/V) DAB f. Hom

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Version: 1 / CH

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Replaces Version: - / CH

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evaluation

Readily biodegradable

Chemical oxygen demand (COD) (Components)

ethanol

Value

0.93

to

1.67

mg/g

12.3. Bioaccumulative potential**General information**

There is no data available on the product apart from the information given in this subsection.

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

ethanol

log Pow

-0.31

Bioconcentration factor (BCF) (Components)

ethanol

BCF

0.66

12.4. Mobility in soil**General information**

There is no data available on the product apart from the information given in this subsection.

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

There is no data available on the product apart from the information given in this subsection.

Results of PBT and vPvB assessment

The product contains no PBT substances

The product contains no vPvB substances.

Results of PBT and vPvB assessment (Ingredients)

ethanol

The Substance doesn't meets PBT/vPvB-criteria

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.

12.7. 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 easily volatile.

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

Disposal in compliance with local and national regulations.

SECTION 14: Transport information

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	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number or ID number	1170	1170	1170
14.2. UN proper shipping name	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	II	II	II
Limited Quantity	1 I	1 I	
Transport category	2		
14.5. Environmental hazards	-		
Tunnel restriction code	D/E		

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

Other information

The product does not contain substances according to Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH) with a content of $\geq 0.1\%$ w/w.

SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

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

Flam. Liq. 2

H225

On basis of test data

Hazard statements listed in Chapter 2/3

H225

Highly flammable liquid and vapour.

CLP categories listed in Chapter 2/3

Flam. Liq. 2

Flammable liquid, Category 2

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.

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