

Trade name: Ethylis acetas

Substance number: 150500

Version: 7 / CH

Date revised: 12.05.2025

Replaces Version: 6 / CH

Print date: 12.05.25

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Ethylis acetas

Item No. 15050000

**Registration no.**

Registration no. 01-2119475103-46-XXXX

**Substance / product identification**

CAS-No. 141-78-6

EINECS-No. 205-500-4

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/preparation**

Manufacture of pharmaceutical products, Reagent for analyses

**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)**

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

Flam. Liq. 2 H225

Eye Irrit. 2 H319

STOT SE 3 H336

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**

Trade name: Ethylis acetas

Substance number: 150500

Version: 7 / CH

Date revised: 12.05.2025

Replaces Version: 6 / CH

Print date: 12.05.25

H225 Highly flammable liquid and vapour.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.

**Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.

**Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)**

contains ethyl acetate

**Supplemental information**

EUH066 Repeated exposure may cause skin dryness or cracking.

**2.3. Other hazards**

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

**SECTION 3: Composition/information on ingredients****3.1. Substances****Molecular weight**

Value	88.11	g/mol
-------	-------	-------

**Hazardous ingredients****ethyl acetate**

CAS No.	141-78-6	
EINECS no.	205-500-4	
Registration no.	01-2119475103-46-XXXX	
Concentration	>= 50	%
Classification (Regulation (EC) No. 1272/2008)		
	Flam. Liq. 2	H225
	Eye Irrit. 2	H319
	STOT SE 3	H336

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

In any case show the physician the Safety Data Sheet.

**After inhalation**

Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration. Keep breathing passages free. Summon a doctor immediately.

**After skin contact**

Remove contaminated, soaked clothing immediately and dispose of safely. After contact with skin, wash immediately with plenty of water.

**After eye contact**

Trade name: Ethylis acetas

Substance number: 150500

Version: 7 / CH

Date revised: 12.05.2025

Replaces Version: 6 / CH

Print date: 12.05.25

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. Drink water in small gulps. Administer activated charcoal. Give a solution of sodium sulphate.

**4.2. Most important symptoms and effects, both acute and delayed**

Dizziness, Narcosis, Nausea, Vomiting, Headache, Dizziness, Breathing stop

**4.3. Indication of any immediate medical attention and special treatment needed****Hints for the physician / treatment**

If swallowed, flush stomach

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide, Foam, Dry powder

**Non suitable extinguishing media**

not applicable

**5.2. Special hazards arising from the substance or mixture**

The product is combustible. Vapours heavier than air. Forms explosive mixture with air are possible. In case of combustion evolution of dangerous gases possible. Take precautionary measures against static charges.

**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Use self-contained breathing apparatus. Use personal protective clothing.

**Other information**

Do not discharge into surface waters/groundwater. Suppress vapours with water spray jet. Cool endangered containers with water spray jet.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Do not inhale vapours. Avoid contact with skin, eyes and clothing. Ensure supply of fresh air. Keep away sources of ignition. Keep away unprotected persons. Refer to protective measures listed in Sections 7 and 8.

**6.2. Environmental precautions**

Explosive. Do not empty into drains.

**6.3. Methods and material for containment and cleaning up**

Take up with absorbent material (eg sand, kieselguhr, universal binder). When picked up, treat material as prescribed under Section 13 "Disposal". Clean up affected area.

**6.4. Reference to other sections**

Refer to protective measures listed in Sections 7 and 8. Information regarding waste disposal, see Section 13.

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

Trade name: Ethylis acetas

Substance number: 150500

Version: 7 / CH

Date revised: 12.05.2025

Replaces Version: 6 / CH

Print date: 12.05.25

Work only in fume cupboards. Do not inhale substance. Avoid development of dusts/ billows/ steams.

**Advice on protection against fire and explosion**

Keep away from sources of ignition. Take action to prevent static discharges.

**7.2. Conditions for safe storage, including any incompatibilities****Recommended storage temperature**

Value 15 - 25 °C

**Requirements for storage rooms and vessels**

Store away from sources of ignition and heat.

**Storage classes**

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

**Further information on storage conditions**

Keep container tightly closed and in a well-ventilated place. Keep away from sources of ignition. Protect from warmth. Protect from light.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure limit values****ethyl acetate**

List	SUVA			
Type	MAK			
Value	730	mg/m <sup>3</sup>	200	ppm(V)
Short term exposure limit	1460	mg/m <sup>3</sup>	400	ppm(V)
Pregnancy group: S; Remarks: SSc; OAW Auge; INRS NIOSH				

**Derived No/Minimal Effect Levels (DNEL/DMEL)****ethyl acetate**

Type of value	Derived No Effect Level (DNEL)			
Reference group	Worker			
Duration of exposure	Acute			
Route of exposure	inhalative			
Mode of action	Systemic effects			
Concentration	1468			mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)			
Reference group	Worker			
Duration of exposure	Acute			
Route of exposure	inhalative			
Mode of action	Local effects			
Concentration	1468			mg/m <sup>3</sup>

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	63			mg/kg

Type of value	Derived No Effect Level (DNEL)			
Reference group	Worker			
Duration of exposure	Long term			
Route of exposure	inhalative			

Trade name: Ethylis acetas

Substance number: 150500

Version: 7 / CH

Date revised: 12.05.2025

Replaces Version: 6 / CH

Print date: 12.05.25

Mode of action	Systemic effects	
Concentration	734	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	734	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Acute	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	734	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Acute	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	734	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	37	mg/kg
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	367	mg/m <sup>3</sup>
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	4.5	mg/kg
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Concentration	367	mg/kg

**Predicted No Effect Concentration (PNEC)****ethyl acetate**

Type of value	PNEC	
Type	Freshwater	
Concentration	0.26	mg/l

Trade name: Ethylis acetas

Substance number: 150500

Version: 7 / CH

Date revised: 12.05.2025

Replaces Version: 6 / CH

Print date: 12.05.25

Type of value	PNEC	
Type	Saltwater	
Concentration	0.026	mg/l
Type of value	PNEC	
Type	Sediment	
Concentration	1.25	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0.125	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0.24	mg/kg

## 8.2. Exposure controls

### General protective and hygiene measures

Remove contaminated, soaked clothing immediately and dispose of safely. Preventative skin protection. Wash hands and face after work. Work only in fume cupboards. Do not inhale vapours.

### Respiratory protection

Breathing apparatus in the event of aerosol or mist formation. Full mask, filter A

### Hand protection

Butyl rubber gloves

Use Short-term hand contact

Appropriate Material Butyl rubber

Material thickness 0.7 mm

Breakthrough time > 120 min

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

### Eye protection

Safety glasses; Eye protection must comply with EN 166.

### Body protection

Fire-resistant antistatic protective clothing

### Environmental exposure controls

Do not allow to enter drains or water courses.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	colourless
Odour	fruity

### Melting point

Value -83 °C

### Boiling point or initial boiling point and boiling range

Value 77.1 °C

Pressure 1013 hPa

### Flammability

Not applicable

Trade name: Ethylis acetas

Substance number: 150500

Version: 7 / CH

Date revised: 12.05.2025

Replaces Version: 6 / CH

Print date: 12.05.25

**Upper and lower explosive limits**

Lower explosion limit	2.1	%(V)
Upper explosion limit	11.5	%(V)

**Flash point**

Value	-4	°C
Method	closed cup	

**Ignition temperature**

Value	460	°C
Method	DIN 51794	

**Decomposition temperature**

Remarks	At normal pressure may be distilled without decomposition.
---------	--

**pH value**

Remarks	No data available
---------	-------------------

**Viscosity****dynamic**

Value	0.44	mPa.s
Temperature	20	°C

**Vapour pressure**

Value	98.4	
Temperature	20	°C
Source	GESTIS-Stoffdatenbank	
Value	160	hPa
Temperature	30	°C
Source	GESTIS-Stoffdatenbank	

**Density and/or relative density**

Value	0.90	g/cm <sup>3</sup>
Temperature	20	°C

**Relative vapour density**

Value	3.04
-------	------

**9.2. Other information****Odour threshold**

Value	0.1	to	181.5	mg/m <sup>3</sup>
-------	-----	----	-------	-------------------

**Evaporation rate**

Remarks	No data available
---------	-------------------

**Solubility in water**

Value	85.3	g/l
Temperature	20	°C

**Minimum ignition energy**

Minimum ignition energy	1.42	MJ
-------------------------	------	----

**Auto-ignition temperature**

Value	460	°C
-------	-----	----

**Explosive properties**

evaluation	no
------------	----

**Oxidising properties**

Remarks	Not applicable
---------	----------------

**SECTION 10: Stability and reactivity**

Trade name: Ethylis acetas

Substance number: 150500

Version: 7 / CH

Date revised: 12.05.2025

Replaces Version: 6 / CH

Print date: 12.05.25

**10.1. Reactivity**

Formation of explosive gas/air mixtures.

**10.2. Chemical stability**

Protect from light and atmospheric moisture.

**10.4. Conditions to avoid**

Protect from light. Protect from heat/overheating. Protect from exposure to air/oxygen.

**10.5. Incompatible materials**

Risk of ignition or formation of inflammable gases or vapours with: Fluorine, chlorosulphuric acid, Strong oxidising agents, Risk of explosion with: lithium tetrahydridoaluminate, Alkaline metals, Reactions with strong acids. Bases

**10.6. Hazardous decomposition products**

No data available.

**Other information**

sensitive to air. Vapours and gases can form an explosive mixture with air.

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

Species	rat		
LD50		5620	mg/kg
Source	RTECS		

**Acute dermal toxicity (Components)****ethyl acetate**

Species	rabbit		
	>	18000	mg/kg

**Skin corrosion/irritation (Components)****ethyl acetate**

Species	rabbit
Remarks	No effect of irritation known.

**Serious eye damage/irritation (Components)****ethyl acetate**

evaluation	strongly irritant
------------	-------------------

**Sensitization (Components)****ethyl acetate**

Species	guinea pig
evaluation	non-sensitizing
Method	OECD 406

**Subacute, subchronic, chronic toxicity**

Remarks	No data available.
---------	--------------------

**Mutagenicity (Components)****ethyl acetate**

Species	Salmonella typhimurium
evaluation	No mutagenicity in the Ames-test.
Method	OECD 471
Remarks	negative



Trade name: Ethylis acetas

Substance number: 150500

Version: 7 / CH

Date revised: 12.05.2025

Replaces Version: 6 / CH

Print date: 12.05.25

**ethyl acetate**

Species mammal, species unspecified  
Remarks negative

**Reproduction toxicity (Components)****ethyl acetate**

Remarks No data available.

**Carcinogenicity (Components)****ethyl acetate**

Remarks No data available.

**Specific Target Organ Toxicity (STOT) (Components)****ethyl acetate**

**Single exposure**  
evaluation Causes damage to organs.  
Route of exposure inhalative  
Organs: Nervous system

**11.2 Information on other hazards****Endocrine disrupting properties with respect to humans**

This substance does not have endocrine disrupting properties with respect to humans.

**Experience in practice**

After Swallowing: Irritates the mucous membrane. May lead to nausea, headache, drowsiness and dizziness. Inhalation of the vapours causes irritation of the respiratory tract and mucous membrane, headaches, nausea, giddiness, vomiting. When inhaled in larger quantities, the solvent vapours cause a narcotic effect. Inhalation of solvent vapours in higher concentration may lead to nausea, headache, drowsiness and dizziness. Has a degreasing effect on the skin.

**Other information**

Observe the usual precautions for handling chemicals.

**SECTION 12: Ecological information \*\*\*****12.1. Toxicity****Fish toxicity (Components)****ethyl acetate**

Species Fathead minnow (*Pimephales promelas*)  
230 mg/l  
Duration of exposure 96 h

**Daphnia toxicity (Components)****ethyl acetate**

Species *Daphnia magna*  
EC50 717 mg/l  
Duration of exposure 48 h

**ethyl acetate**

Species *Daphnia magna*  
NOEC 2.4 mg/l  
Duration of exposure 21 d  
Method OECD 211

**Algae toxicity (Components)****ethyl acetate**

Species *Desmodesmus subspicatus*

Trade name: Ethylis acetas

Substance number: 150500

Version: 7 / CH

Date revised: 12.05.2025

Replaces Version: 6 / CH

Print date: 12.05.25

Duration of exposure 3300 mg/l  
48 h

**ethyl acetate**

Species Desmodesmus subspicatus  
NOEC 100 mg/l  
Duration of exposure 72 h  
Method OECD 201

**Bacteria toxicity (Components)****ethyl acetate**

Species Pseudomonas putida  
2900 mg/l  
Duration of exposure 16 h

**12.2. Persistence and degradability****General information**

Not applicable

**Physico-chemical eliminability (Components)****ethyl acetate**

Remarks No data available.

**Biodegradability (Components)****ethyl acetate**

Value 100 %  
Duration of test 28 d  
evaluation Readily biodegradable  
Method OECD 301D

**ethyl acetate**

Value appr. 69 %  
Duration of test 20 d  
evaluation Readily biodegradable  
Source ECHA  
Source aerob

**Ready degradability (Components)****ethyl acetate****Chemical oxygen demand (COD) (Components)****ethyl acetate**

Value 1820 mg/g  
Source Theoretischer Sauerstoffbedarf (ThSB)

**12.3. Bioaccumulative potential****Octanol/water partition coefficient (log Pow) (Components)****ethyl acetate**

log Pow 0.73  
Method experimental

**Bioconcentration factor (BCF) (Components)****ethyl acetate**

BCF 30  
Duration of exposure 3 d  
Temperature 22.5 °C  
Species golden orfe (Leuciscus idus)  
Source melanotus

Trade name: Ethylis acetas

Substance number: 150500

Version: 7 / CH

Replaces Version: 6 / CH

Date revised: 12.05.2025

Print date: 12.05.25

**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****Results of PBT and vPvB assessment \*\*\***

The Substance does not meet PBT-criteria.

This substance does not meet the vPvB-criteria.

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

This substance does not have endocrine disrupting properties with respect to non-target organisms.

**12.7. Other adverse effects****General information / ecology**

Toxic for aquatic organisms. Do not allow 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**

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	D/E		
<b>14.1. UN number</b>	1173	1173	1173
<b>14.2. UN proper shipping name</b>	ETHYL ACETATE	ETHYL ACETATE	ETHYL ACETATE
<b>14.3. Transport hazard class(es)</b>	3	3	3
Label			
<b>14.4. Packing group</b>	II	II	II
Limited Quantity	1 I		
Transport category	2		

**SECTION 15: Regulatory information \*\*\***

Trade name: Ethylis acetas

Substance number: 150500

Version: 7 / CH

Date revised: 12.05.2025

Replaces Version: 6 / CH

Print date: 12.05.25

**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

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has been carried out.

**SECTION 16: Other information****Hazard statements listed in Chapter 3**

H225	Highly flammable liquid and vapour.
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.