

Trade name: Acid aceticum 30%

Substance number: 200621

Version: 4 / CH

Date revised: 17.11.2022

Replaces Version: 3 / CH

Print date: 17.11.22

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

1.1. Product identifier

Acid aceticum 30%

Item No. 20062100

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

Use of the substance/preparation

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)

Skin Corr. 1B H314

Eye Dam. 1 H318

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

H314 Causes severe skin burns and eye damage.

Precautionary statements ***

P264.1 Wash hands thoroughly after handling.

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].

Trade name: Acid aceticum 30%

Substance number: 200621

Version: 4 / CH

Date revised: 17.11.2022

Replaces Version: 3 / CH

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P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P310 Immediately call a POISON CENTER or doctor.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

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

contains acetic acid ... %

SECTION 3: Composition/information on ingredients**Chemical characterization**

Alcoholic solution

Hazardous ingredients**acetic acid ... %**

CAS No.	64-19-7
EINECS no.	200-580-7
Registration no.	01-2119475328-30-XXXX
Concentration	>= 25 < 50 %
Classification (Regulation (EC) No. 1272/2008)	
	Flam. Liq. 3 H226
	Skin Corr. 1A H314

Concentration limits (Regulation (EC) No. 1272/2008)

Eye Irrit. 2	H319	>= 10 < 25
Skin Corr. 1A	H314	>= 90
Skin Corr. 1B	H314	>= 25 < 90
Skin Irrit. 2	H315	>= 10 < 25

CLP Regulation (EC) No 1272/2008, Annex VI, Note B

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

Ensure supply of fresh air. Summon a doctor immediately.

After skin contact

Wash skin thoroughly with water (15 min.). Remove contaminated clothing. Summon a doctor immediately.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Summon a doctor immediately.

After ingestion

Let plenty of water be drunk in small gulps. Do NOT induce vomiting. Summon a doctor immediately. No trials on neutralisation.

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

Chemical burn, Shortness of breath, Convulsions, Vomiting

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

Suitable extinguishing media

Trade name: Acid aceticum 30%

Substance number: 200621

Version: 4 / CH

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Replaces Version: 3 / CH

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Extinguishing measures to suit surroundings

5.2. Special hazards arising from the substance or mixture

Vapours heavier than air. Forms explosive mixture with air are possible. If a fire breaks out nearby evolution of dangerous gases possible. The product is combustible.

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

Use self-contained breathing apparatus. Wear protective clothing.

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

Do not inhale vapours. Use breathing apparatus if exposed to vapours/dust/aerosol. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

6.2. Environmental precautions

Do not empty into drains.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. Send in suitable containers for recovery or disposal. Clean up affected area.

6.4. Reference to other sections

Information regarding waste disposal, see Section 13.

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

Observe safety references and application instructions mentioned on can.

7.2. Conditions for safe storage, including any incompatibilities**Storage classes**

Storage class according to TRGS 510	8A	Combustible corrosive hazardous substances
Storage category (Switzerland)	8	Caustic and corrosive substances

Further information on storage conditions

Keep container tightly closed.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limit values****acetic acid ... %**

List	SUVA			
Type	MAK			
Value	25	mg/m ³	10	ppm(V)
Short term exposure limit	50	mg/m ³	20	ppm(V)
Pregnancy group: S; Remarks: SSc; Auge, OAWKT HU & LungeKT HU; NIOSH, OSHA				

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.

Trade name: Acid aceticum 30%

Substance number: 200621

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Replaces Version: 3 / CH

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Respiratory protection

Breathing apparatus in the event of vapours. Breathing apparatus in the event of aerosol or mist formation. combination filter E-P2

Hand protection

Gloves	
Use	Permanent hand contact
Appropriate Material	Butyl rubber - Butyl
Material thickness	0.7 mm
Breakthrough time	> 480 min
Use	Short-term hand contact
Appropriate Material	Natural Latex
Material thickness	0.6 mm
Breakthrough time	> 30 min

Eye protection

Tightly fitting safety glasses

Body protection

Acid-resistant protective clothing

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

Form	liquid
Colour	colourless
Odour	pungent
pH value	
Remarks	No data available
Flash point	
Value	> 100 °C
Source	Merck KGaA Safety Data Sheet
Upper/lower flammability or explosive limits	
Lower explosion limit	4 %(V)
Upper explosion limit	19.9 %(V)
Source	Merck KGaA Safety Data Sheet
Vapour pressure	
Remarks	not determined
Density	
Value	1.039 g/cm ³
Temperature	20 °C
Solubility in water	
Temperature	20 °C
Remarks	soluble
Explosive properties	
evaluation	no

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

heat, Formation of explosive gas/air mixtures.

10.2. Chemical stability

Trade name: Acid aceticum 30%

Substance number: 200621

Version: 4 / CH

Date revised: 17.11.2022

Replaces Version: 3 / CH

Print date: 17.11.22

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

Water

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

Risk of explosion with: Strong oxidising agents, Potassium permanganate, nitrates, hydrogen peroxide (H₂O₂). Reacts violently with: Metals, Zinc, Magnesium, acetic acid anhydride, Reactions with alcohols. Reactions with halogenated compounds. Strong bases, Reaction with nitric acid. Incompatible with: Reactions with various metals.

10.6. Hazardous decomposition products

In the event of fire the following can be released: Toxic gases/vapours, Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity (Components)****acetic acid ... %**

Species	rat		
LD50		3310	mg/kg

Acute dermal toxicity

ATE		3'706.66	mg/kg
		67	

Method	calculated value (Regulation (EC) No. 1272/2008)		
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Acute dermal toxicity (Components)**acetic acid ... %**

Species	rabbit		
LD50		1112	mg/kg
Source	Sigma/Aldrich		

Acute inhalative toxicity (Components)**acetic acid ... %**

Species	rat		
LC50		11.4	mg/l
Duration of exposure	4	h	

acetic acid ... %

Species	mouse		
LC50		5620	ppm(V)
Duration of exposure	1	h	
Source	Sigma/Aldrich		

acetic acid ... %

LC50	>	40	mg/l
Duration of exposure	4	h	

Skin corrosion/irritation

evaluation	corrosive
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Skin corrosion/irritation (Components)**acetic acid ... %**

Species	rabbit
evaluation	strongly corrosive

Trade name: Acid aceticum 30%

Substance number: 200621

Version: 4 / CH

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Replaces Version: 3 / CH

Print date: 17.11.22

Serious eye damage/irritation

Remarks Influence of the product with the eyes can lead to blindness.

Serious eye damage/irritation (Components)**acetic acid ... %**Species rabbit
evaluation strongly corrosive**Sensitization (Components)****acetic acid ... %**

Remarks No data available.

Subacute, subchronic, chronic toxicity (Components)**acetic acid ... %**

Remarks No data available.

Mutagenicity (Components)**acetic acid ... %**

Remarks No data available.

Carcinogenicity (Components)**acetic acid ... %**

Remarks No evidence available on carcinogenicity.

Specific Target Organ Toxicity (STOT) (Components)**acetic acid ... %**

Remarks No data available

Experience in practice

Ingestion of aqueous solution causes burns in: Mouth. Throat. Perforation of gullet and stomach. nausea. vomiting. Damage to the lungs possible. inhalation. Irritates the mucous membrane. Inhalation can cause damage to the respiratory tract or lungs. Skin contact. Causes burns. Kidney damage is possible.

Other information

Observe the usual precautions for handling chemicals.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity**

Remarks No data available.

Fish toxicity (Components)**acetic acid ... %**Species rainbow trout (Oncorhynchus mykiss)
LC50 > 300.8 mg/l
Duration of exposure 96 h
Method OECD 203**Daphnia toxicity (Components)****acetic acid ... %**Species Daphnia magna
EC50 47 mg/l
Duration of exposure 24 h
Source Merck KGaA Safety Data Sheet**acetic acid ... %**Species Daphnia magna
EC50 > 300.82 mg/l

Trade name: Acid aceticum 30%

Substance number: 200621

Version: 4 / CH

Date revised: 17.11.2022

Replaces Version: 3 / CH

Print date: 17.11.22

Duration of exposure	48	h
Method	OECD 202	
Source	Sigma/Aldrich	

Algae toxicity (Components)**acetic acid ... %**

Species	Scenedesmus quadricauda	
IC5	4000	mg/l
Duration of exposure	16	h

Bacteria toxicity (Components)**acetic acid ... %**

Species	Pseudomonas putida	
EC5	2850	mg/l
Duration of exposure	16	h

acetic acid ... %

Species	Photobacterium phosphoreum	
EC50	11	mg/l
Duration of exposure	15	min

12.2. Persistence and degradability**Biodegradability (Components)****acetic acid ... %**

Value	99	%
Duration of test evaluation	30	d
	Readily biodegradable	

acetic acid ... %

Value	95	%
Duration of test	5	d
Method	OECD 302B/ISO 9888/EEC 88/302,C	

Biochemical oxygen demand (BOD5) (Components)**acetic acid ... %**

Value	880	mg/g
Duration of test	5	d
Source	Sigma/Aldrich	

12.3. Bioaccumulative potential**Octanol/water partition coefficient (log Pow) (Components)****acetic acid ... %**

log Pow	-0.17	
Temperature	25	°C
Source	Sigma/Aldrich	

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

The product has not been tested. Because of the product's consistency and lack of solubility in water bioavailability is not likely.

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

Do not allow it to reach soil, ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

Trade name: Acid aceticum 30%

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Replaces Version: 3 / CH

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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	E		
14.1. UN number	2790	2790	2790
14.2. UN proper shipping name	ACETIC ACID SOLUTION	ACETIC ACID SOLUTION	ACETIC ACID SOLUTION
14.3. Transport hazard class(es)	8	8	8
Label			
14.4. Packing group	II	II	II
Limited Quantity	1 I		
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

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

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

H226 Flammable liquid and vapour.
H314 Causes severe skin burns and eye damage.

CLP categories listed in Chapter 3

Flam. Liq. 3 Flammable liquid, Category 3
Skin Corr. 1A Skin corrosion, Category 1A

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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.