

Trade name: Acid trichloroaceticum

Substance number: 060464

Version: 3 / CH

Date revised: 14.09.2020

Replaces Version: 2 / CH

Print date: 14.09.20

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

### **1.1. Product identifier**

Acid trichloroaceticum

Item No. 06046400

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

#### **Use of the substance/preparation**

Reagent for analyses, industry

### **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. 1A H314

Eye Dam. 1 H318

STOT SE 3 H335

Aquatic Acute 1 H400

Aquatic Chronic 1 H410

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.

H335

May cause respiratory irritation.

H410

Very toxic to aquatic life with long lasting effects.

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**Precautionary statements \*\*\***

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
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.
P310	Immediately call a POISON CENTER or doctor.

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

contains \*\*\* TCA (ISO)

**SECTION 3: Composition/information on ingredients \*\*\*****Molecular weight**

Value 163.39 g/mol

**Hazardous ingredients \*\*\*****TCA (ISO)**

CAS No.	76-03-9	
EINECS no.	200-927-2	
Concentration	>= 50	%
Classification (Regulation (EC) No. 1272/2008)		
	Skin Corr. 1A	H314
	Aquatic Acute 1	H400
	Aquatic Chronic 1	H410

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

STOT SE 3	H335	>= 1
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**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Seek medical advice immediately. In any case show the physician the Safety Data Sheet.

**After inhalation**

Remove the casualty into fresh air and keep him calm. Irregular breathing/no breathing: artificial respiration. Seek medical advice immediately.

**After eye contact**

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Seek medical advice immediately.

**After ingestion**

Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Seek medical advice immediately.

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

Coughing, Shortness of breath, Convulsions, In the foreground the local effect stays at first, characterized by a quickly in the depth moving damage of the tissue. CNS depression

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

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Water mist, Alcohol-resistant foam, Dry chemical extinguisher, Carbon dioxide

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

Use self-contained breathing apparatus.

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

Wear protective equipment. Avoid dust formation. Do not inhale vapours. Do not inhale dust. Ensure adequate ventilation. Remove persons to safety.

**6.2. Environmental precautions**

Do not empty into drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

**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**

Avoid dust formation. Avoid formation of aerosols. Provide suitable exhaust ventilation at processing machines.

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

Value 2 - 8 °C

**Storage classes**

Storage class according to TRGS 510	8B	Non-combustible corrosive hazardous substances
Storage category (Switzerland)	8	Caustic and corrosive substances

**Further information on storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place.

**SECTION 8: Exposure controls/personal protection \*\*\*****8.1. Control parameters****Exposure limit values \*\*\*****TCA (ISO)**

List	SUVA			
Type	MAK			
Value	7	mg/m <sup>3</sup>	1	ppm(V)
Remarks: AugeKT HU & OAWKT HU				

**8.2. Exposure controls****General protective and hygiene measures**

Observe the usual precautions for handling chemicals. Wash hands and face before breaks and after work.

**Respiratory protection**

necessary; Full mask; Short term: filter apparatus, Filter P3

**Hand protection**

Protective gloves

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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.

Appropriate Material	Natural Latex		
Glove type	Lapren706		
Material thickness	0.6	mm	
Breakthrough time	480	min	
Appropriate Material	Polychloroprene		
Glove type	Lapren706		
Material thickness	0.6	mm	
Breakthrough time	480	min	

**Eye protection**

Face shield; Safety glasses

**Body protection**

Clothing as usual in the chemical industry.

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

<b>Form</b>	crystalline			
<b>Colour</b>	whitish			
<b>pH value</b>				
Value	1			
Concentration/H <sub>2</sub> O	81.7	g/l		
Temperature	25	°C		
<b>Melting point</b>				
Value	54	to	58	°C
<b>Initial boiling point and boiling range</b>				
Value	196			°C
<b>Flash point ***</b>				
Remarks	Not applicable			
<b>Vapour pressure ***</b>				
Value	1			hPa
Temperature	51	°C		
<b>Vapour density</b>				
Value	5.64			
<b>Solubility in water</b>				
Value	81.7			g/l
Temperature	20	°C		
Remarks	Completely miscible			
<b>Partition coefficient: n-octanol/water</b>				
log Pow	1.645			

**9.2. Other information****Bulk density**Value 900 kg/m<sup>3</sup>**SECTION 10: Stability and reactivity****10.1. Reactivity**

No decomposition if stored and applied as directed.

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**10.2. Chemical stability**

No decomposition if stored and applied as directed.

**10.3. Possibility of hazardous reactions**

No decomposition if stored and applied as directed.

**10.4. Conditions to avoid**

Heat. Sensitive to moisture.

**10.5. Incompatible materials**

Strong oxidising agents, Bases, amines

**10.6. Hazardous decomposition products**

In the event of fire the following can be released: Carbon monoxide and carbon dioxide, Hydrogen chloride (HCl)

**SECTION 11: Toxicological information \*\*\*****11.1. Information on toxicological effects****Acute oral toxicity (Components)****TCA (ISO)**

Species	rat		
LD50	3320		mg/kg

**TCA (ISO)**

Species	rat
Source	RTECS
Source	AJ7875000

**Skin corrosion/irritation (Components)****TCA (ISO)**

Remarks	No data available
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**Serious eye damage/irritation (Components)****TCA (ISO)**

Species	rabbit
evaluation	strongly irritant
Source	5 s

**Sensitization (Components)****TCA (ISO)**

Remarks	No data available
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**Mutagenicity (Components)****TCA (ISO)**

Species	mouse
evaluation	No experimental information on genotoxicity in vitro available.
Method	OECD 474

**Reproduction toxicity (Components)****TCA (ISO)**

Remarks	No data available
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**Carcinogenicity (Components)****TCA (ISO)**

Remarks	No evidence available on carcinogenicity.
Source	IARC

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

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**TCA (ISO)****Single exposure**

evaluation

May cause respiratory irritation.

**TCA (ISO)****Repeated exposure**

Remarks

No data available

**Experience in practice**

May be harmful by inhalation. The product has a strong caustic effect on the skin, eyes and mucous membranes.

**SECTION 12: Ecological information \*\*\*****12.1. Toxicity****Fish toxicity (Components)****TCA (ISO)**

Remarks

Quantitative data concerning the ecological effect are not available.

**Daphnia toxicity (Components)****TCA (ISO)**

Remarks

Quantitative data concerning the ecological effect are not available.

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

No data available

**12.3. Bioaccumulative potential****Partition coefficient: n-octanol/water**

log Pow

1.645

**12.4. Mobility in soil****General information**

No data available

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

No data available

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

Very toxic for aquatic organisms.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations for the product**

Incineration in suitable incineration plant, observing local authority 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	E		
14.1. UN number	1839	1839	1839
14.2. UN proper shipping name	TRICHLOROACETIC ACID	TRICHLOROACETIC ACID	TRICHLOROACETIC ACID
14.3. Transport hazard class(es)	8	8	8
Label			
14.4. Packing group	II	II	II
Limited Quantity	1 kg		
Transport category	2		
14.5. Environmental hazards	 ENVIRONMENTALLY HAZARDOUS	Marine Pollutant 	 ENVIRONMENTALLY HAZARDOUS

## 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 2

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

H314 Causes severe skin burns and eye damage.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.

### CLP categories listed in Chapter 3

Aquatic Acute 1 Hazardous to the aquatic environment, acute, Category 1  
 Aquatic Chronic 1 Hazardous to the aquatic environment, chronic, Category 1  
 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.