

Trade name: Carbopol 980

Substance number: 062476

Version: 3 / CH

Date revised: 13.11.2020

Replaces Version: 2 / CH

Print date: 13.11.20

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

### **1.1. Product identifier**

Carbopol 980

Item No. 06247600

### **Substance / product identification**

INCI Polyacrylic acid

### **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)

Aquatic Chronic 3 H412

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 statements**

H412 Harmful to aquatic life with long lasting effects.

##### **Precautionary statements**

P273 Avoid release to the environment.

P501.3 Disposal in compliance with local and national regulations.

## **SECTION 3: Composition/information on ingredients \*\*\***

### **3.2. Mixtures**

#### **Hazardous ingredients \*\*\***

##### **cyclohexane**

CAS No. 110-82-7

EINECS no. 203-806-2

Concentration &gt;= 0,25 &lt; 1 %

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

Flam. Liq. 2 H225

Asp. Tox. 1 H304

Skin Irrit. 2 H315

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STOT SE 3	H336
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

**acrylic acid**

CAS No.	79-10-7			
EINECS no.	201-177-9			
Concentration	>= 0,1	<	1	%
Classification (Regulation (EC) No. 1272/2008)				
	Flam. Liq. 3			H226
	Acute Tox. 4			H302
	Acute Tox. 4			H312
	Acute Tox. 4			H332
	Skin Corr. 1A			H314
	Aquatic Acute 1			H400

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

STOT SE 3	H335	>= 1
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Additional remarks:

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

**Further ingredients \*\*\*****Polyacrylic acid**

CAS No.	9003-01-4			
Concentration		>=	50	%
Advice: [4]				

**Note**

[4] Voluntary information

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

If you feel unwell, seek medical advice (show the label where possible). Remove contaminated, soaked clothing immediately and dispose of safely.

**After inhalation**

Remove the casualty into fresh air and keep him calm. If necessary, give oxygen. Irregular breathing/no breathing: artificial respiration. In the event of symptoms take medical treatment.

**After skin contact**

Remove contaminated, soaked clothing immediately and dispose of safely. After contact with skin, wash immediately with plenty of water. Consult a doctor if skin irritation persists.

**After eye contact**

Remove contact lenses. Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical advice immediately.

**After ingestion**

Rinse mouth thoroughly with water. By continuous complaints consult a physician.

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

Symptomatic treatment (decontamination, vital functions), no specific antidote known.

**SECTION 5: Firefighting measures**

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**5.1. Extinguishing media****Suitable extinguishing media**

Dry chemical extinguisher, Foam, Water spray jet, Water mist, Only in case of small fires: Carbon dioxide

**Non suitable extinguishing media**

not applicable

**5.2. Special hazards arising from the substance or mixture**In case of combustion, evolution of health hazardous partially burned gases. Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO); explosiv**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Wear full protective suit. In case of combustion use a suitable breathing apparatus.

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

Wear protective equipment

**6.2. Environmental precautions**

Do not allow to enter drains or waterways.

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

When picked up, treat material as prescribed under Section 13 "Disposal". Forms slippery surfaces with water. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Avoid raising dust.

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

Keep away from heat and sources of ignition. Avoid dust formation. Avoid inhaling dusts/ billows/ steams. Use only in well-ventilated areas. Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid contact with skin, eyes and clothing. Take action to prevent static discharges.

**Advice on protection against fire and explosion**

Dust can form an explosive mixture with air. Electrostatic loading of the material is possible. Keep away from sources of ignition.

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

Value &lt; 80 °C

**Requirements for storage rooms and vessels**

Keep tightly closed in a dry and cool place. Storage rooms must be properly ventilated. Store away from sources of ignition and heat.

**Storage classes**

Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	11/13	Other solid hazardous substances with classification/labelling hazardous

**SECTION 8: Exposure controls/personal protection \*\*\*****8.1. Control parameters**

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**Exposure limit values \*\*\*****cyclohexane**

List	SUVA			
Type	MAK			
Value	700	mg/m <sup>3</sup>	200	ppm(V)
Short term exposure limit	2800	mg/m <sup>3</sup>	800	ppm(V)
Remarks: B; ZNS; NIOSH				

**acrylic acid**

List	SUVA			
Type	MAK			
Value	30	mg/m <sup>3</sup>	10	ppm(V)
Short term exposure limit	30	mg/m <sup>3</sup>	10	ppm(V)
Pregnancy group: S; Remarks: SSc; Haut & Auge, OAWKT AN; OSHA				

**Polyacrylic acid**

List	SUVA			
Type	MAK			
Value	0,05	mg/m <sup>3</sup>		
Short term exposure limit	0,05	mg/m <sup>3</sup>		
Pregnancy group: S; Remarks: SSc				

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

Provide adequate ventilation. General industrial hygiene practice. Keep away from food-stuffs, beverages and feed-stocks. Do not eat or drink during work time. Wash hands and face before breaks and after work.

**Respiratory protection**

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Use breathing apparatus in dust-laden atmosphere.

**Hand protection**

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Reference substance Polyacrylic acid

**Eye protection**

Tightly fitting safety glasses

**Body protection**

Protective clothing

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

<b>Form</b>	Powder
<b>Colour</b>	white
<b>Odour</b>	faint odour of acetic acid
<b>Odour threshold</b>	
Remarks	not determined
<b>pH value</b>	
Value	2.5 to 3
Concentration/H <sub>2</sub> O	1 %
<b>Melting point</b>	
Remarks	not determined

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**Freezing point**

Remarks not determined

**Initial boiling point and boiling range**

Remarks not determined

**Flash point**

Value °C

Remarks Not applicable

**Vapour pressure**

Remarks not determined

**Density**

Value 1.4

Temperature 20 °C

Remarks Relative Density according specification

**Solubility in water**

Remarks insoluble, only capable of swelling

**Minimum ignition energy**

Minimum ignition energy 50 to 100 MJ

**Auto-ignition temperature**

Value appr. 480 °C

**9.2. Other information****Bulk density**

Value 0.24 g/ml

Temperature 25 °C

**Solids content**

Value 98 %

**Other information**

The product is capable of dust explosions. Forms explosive mixture with air are possible.

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

None

**10.2. Chemical stability**

Stable under recommended storage and handling conditions (see section 7).

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

**10.4. Conditions to avoid**

Avoid dust formation. Sensitive to moisture. Keep away from sources of heat and ignition. Explosive when dry.

**10.5. Incompatible materials**

Ammonia, Alkalis, amines

**10.6. Hazardous decomposition products**

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

**SECTION 11: Toxicological information**

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## 11.1. Information on toxicological effects

### Acute oral toxicity (Components)

#### cyclohexane

Species	rat		
LD50		12700	mg/kg
Source	GESTIS-Stoffdatenbank		
Source	Toxicology and Applied Pharmacology. Vol. 19, Pg. 699, 1971.		

#### acrylic acid

Species	rat		
LD50		1500	mg/kg
Source	GESTIS-Stoffdatenbank		

#### Polyacrylic acid

Species	rat		
LD50		2500	mg/kg
Source	GESTIS-Stoffdatenbank		
Source	Angewandte Chemie, International Edition in English. Vol. 14, P.94, 1975.		

### Acute dermal toxicity (Components)

#### acrylic acid

Species	rabbit		
LD50		294	mg/kg
Source	GESTIS-Stoffdatenbank		
Source	Toxicology and Applied Pharmacology. Vol. 28, Pg. 313, 1974.		

### Acute inhalative toxicity (Components)

#### acrylic acid

Species	rat		
LC50	>	5.1	mg/l
Duration of exposure		4	h
Administration/Form	Vapors		
Source	GESTIS-Stoffdatenbank		
Source	BASF		

### Skin corrosion/irritation

Reference substance	Polyacrylic acid
Remarks	None
Source	Safety Data Sheet Supplier

### Serious eye damage/irritation

Reference substance	Polyacrylic acid
Remarks	None
Source	Safety Data Sheet Supplier

### Sensitization

Reference substance evaluation	Polyacrylic acid non-sensitizing
Source	Safety Data Sheet Supplier

### Subacute, subchronic, chronic toxicity

Remarks	Chronic exposure causes damage of respiratory organs.
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### Mutagenicity

Remarks	No information available.
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### Reproductive toxicity

Remarks	No data available.
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### Experience in practice

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Inhalation may lead to irritation of the respiratory tract.

**Other information**

Observe the usual precautions for handling chemicals.

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

Species	Fathead minnow ( <i>Pimephales promelas</i> )		
LC50	4.5		mg/l
Duration of exposure	4	d	

**acrylic acid**

Species	rainbow trout ( <i>Oncorhynchus mykiss</i> )		
	27		mg/l
Duration of exposure	4	d	

**Daphnia toxicity (Components)****cyclohexane**

Species	Daphnia magna		
EC50	0.9		mg/l
Duration of exposure	2	d	

**acrylic acid**

Species	Daphnia magna		
EC50	95		mg/l
Duration of exposure	2	d	

**Algae toxicity (Components)****cyclohexane**

Species	Chlorobionta		
EC50	9.317		mg/l
Duration of exposure	3	d	

**acrylic acid**

Species	Chlorobionta		
EC50	0.13		mg/l
Duration of exposure	3	d	

**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**

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	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

## 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.  
 H226 Flammable liquid and vapour.  
 H302 Harmful if swallowed.  
 H304 May be fatal if swallowed and enters airways.  
 H312 Harmful in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H315 Causes skin irritation.  
 H332 Harmful if inhaled.  
 H336 May cause drowsiness or dizziness.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.

### CLP categories listed in Chapter 3

Acute Tox. 4 Acute toxicity, Category 4  
 Aquatic Acute 1 Hazardous to the aquatic environment, acute, Category 1  
 Aquatic Chronic 1 Hazardous to the aquatic environment, chronic, Category 1  
 Asp. Tox. 1 Aspiration hazard, Category 1  
 Flam. Liq. 2 Flammable liquid, Category 2  
 Flam. Liq. 3 Flammable liquid, Category 3  
 Skin Corr. 1A Skin corrosion, Category 1A  
 Skin Irrit. 2 Skin irritation, 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.