

Trade name: Alcohol benzylicus Parenteral Grade

Substance number: 151401

Version: 1 / CH

Date revised: 10.05.2022

Replaces Version: - / CH

Print date: 10.05.22

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

### **1.1. Product identifier**

Alcohol benzylicus Parenteral Grade

Item No. 15140100

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

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

Chemical

### **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)

Acute Tox. 4 H302

Acute Tox. 4 H332

Eye Irrit. 2 H319

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**

Warning

##### **Hazard statements**

H302

Harmful if swallowed.

H332

Harmful if inhaled.

H319

Causes serious eye irritation.

##### **Precautionary statements**

P261

Avoid breathing dust/fume/gas/mist/vapours/spray.

Trade name: Alcohol benzylicus Parenteral Grade

Substance number: 151401

Version: 1 / CH

Date revised: 10.05.2022

Replaces Version: - / CH

Print date: 10.05.22

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.  
P312 Call a POISON CENTRE or doctor if you feel unwell.  
P501.3 Disposal in compliance with local and national regulations.

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

contains benzyl alcohol

**SECTION 3: Composition/information on ingredients****Hazardous ingredients****benzyl alcohol**

CAS No.	100-51-6	
EINECS no.	202-859-9	
Registration no.	01-2119492630-38-0021	
Concentration	>= 100	%
Classification (Regulation (EC) No. 1272/2008)		
	Acute Tox. 4	H302
	Eye Irrit. 2	H319
	Acute Tox. 4	H332

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

Take affected person to fresh air. Remove contaminated, soaked clothing immediately and dispose of safely. Adhere to personal protective measures when giving first aid

**After inhalation**

Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration. Keep warm and at rest. If the patient is likely to become unconscious, place and transport in stable sideways position. In the event of symptoms take medical treatment.

**After skin contact**

Wash off immediately with soap and water and rinse well.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). Take medical treatment.

**After ingestion**

Do not induce vomiting. Summon a doctor immediately. Rinse out mouth and give plenty of water to drink. Administer activated charcoal.

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

Gastrointestinal complaints, CNS depression, Cardiovascular disturbance

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

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

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

Trade name: Alcohol benzylicus Parenteral Grade

Substance number: 151401

Version: 1 / CH

Date revised: 10.05.2022

Replaces Version: - / CH

Print date: 10.05.22

**Suitable extinguishing media**

Carbon dioxide, Dry chemical extinguisher, Water spray jet

**Non suitable extinguishing media**

Water

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

In case of combustion evolution of dangerous gases possible. Carbon monoxide (CO); Can build mixtures of gas and air which are capable of explosion.

**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**

Wear protective equipment. Keep away unprotected persons. Avoid contact with eyes and skin.

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/groundwater. Prevent spread over a wide area (e.g. by containment or oil barriers).

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

Pick up with absorbent material. When picked up, treat material as prescribed under Section 13 "Disposal". Ensure adequate ventilation.

**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). Provide good room ventilation even at ground level (vapours are heavier than air). Keep container tightly closed. Avoid formation of aerosols.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.

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

Value 2 - 8 °C

**Requirements for storage rooms and vessels**

Keep in a cool place. Provide solvent-resistant and impermeable floor.

**Hints on storage assembly**

Do not store with oxidizing agents.

**Storage classes**

Storage class according to TRGS 510	10	Flammable liquids
Storage category (Switzerland)	10/12	Other liquid hazardous substances

**Further information on storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place. Product is hygroscopic. Protect from light.

Trade name: Alcohol benzylicus Parenteral Grade

Substance number: 151401

Version: 1 / CH

Date revised: 10.05.2022

Replaces Version: - / CH

Print date: 10.05.22

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

#### **Derived No/Minimal Effect Levels (DNEL/DMEL)**

##### **benzyl alcohol**

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	110	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	Systemic effects	
Concentration	22	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	40	mg/kg/d
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	8	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Acute	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	27	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	5.4	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Acute	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	20	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	

Trade name: Alcohol benzylicus Parenteral Grade

Substance number: 151401

Version: 1 / CH

Date revised: 10.05.2022

Replaces Version: - / CH

Print date: 10.05.22

Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	4	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Acute	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	20	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	4	mg/kg/d

### Predicted No Effect Concentration (PNEC)

#### benzyl alcohol

Type of value	PNEC	
Type	Freshwater	
Concentration	1	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	5.27	mg/kg
Type of value	PNEC	
Type	Saltwater	
Concentration	0.1	mg/l
Type of value	PNEC	
Type	Marine sediment	
Concentration	0.527	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0.456	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	39	mg/l

## 8.2. Exposure controls

### Exposure controls

See Section 7. No measures exceeding the ones mentioned necessary.

### General protective and hygiene measures

Keep away from food-stuffs, beverages and feed-stocks. Wash hands before breaks and after work. Do not inhale gases/vapours/aerosols. Avoid prolonged and/or repeated contact with skin. At work do not eat, drink, smoke or take drugs.

### Respiratory protection

Trade name: Alcohol benzylicus Parenteral Grade

Substance number: 151401

Version: 1 / CH

Date revised: 10.05.2022

Replaces Version: - / CH

Print date: 10.05.22

Breathing apparatus in the event of gases. Gas filterA.

**Hand protection**

Gloves

Gloves

Appropriate Material	Butyl rubber - Butyl
Material thickness	0.5 mm
Breakthrough time	>= 8 h

Gloves

Appropriate Material	nitrile rubber - NBR
Material thickness	0.4 mm
Breakthrough time	>= 8 h

Appropriate Material	Natural Latex
Breakthrough time	> 8 h

**Eye protection**

Safety glasses with side protection shield

**Body protection**

protective overalls

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

<b>Form</b>	liquid
<b>Colour</b>	colourless
<b>Odour</b>	slightly aromatic
<b>pH value</b>	
Remarks	No data available
<b>Melting point</b>	
Value	-15.4 to -15.3 °C
<b>Initial boiling point and boiling range</b>	
Value	205 °C
Pressure	1013 hPa
<b>Flash point</b>	
Value	99 to 100 °C
Method	closed cup
<b>Vapour pressure</b>	
Value	< 1 mmHg
Temperature	20 °C
<b>Vapour density</b>	
Value	3.7
<b>Density</b>	
Value	1.045 g/ml
Temperature	25 °C
Remarks	Relative Density according specification
<b>Solubility in water</b>	
Value	40 g/l
Temperature	25 °C
<b>Partition coefficient: n-octanol/water</b>	
pOW	1.05
Temperature	20 °C

Trade name: Alcohol benzylicus Parenteral Grade

Substance number: 151401

Version: 1 / CH

Date revised: 10.05.2022

Replaces Version: - / CH

Print date: 10.05.22

**Ignition temperature**

Value 436 °C

**Auto-ignition temperature**

Value 436 °C

**Viscosity****dynamic**

Value 5.84 mPa.s

Temperature 25 °C

**Oxidising properties**

evaluation None known

**9.2. Other information****Other information**

Forms explosive mixture with air are possible.

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

Reacts violently with: Strong oxidising agents, Isocyanates, Aldehydes, lithium tetrahydridoaluminate, Aluminium, strong acids, Reaction with Sulfuric acid. bromides

**10.2. Chemical stability**

No decomposition if stored and applied as directed. Protect from exposure to air/oxygen.

**10.3. Possibility of hazardous reactions**

Sensitive to air.

**10.4. Conditions to avoid**

Protect from exposure to air/oxygen. Protect from light and atmospheric moisture. Keep away from sources of heat and ignition.

**10.5. Incompatible materials**

Acids, Oxidising agents, Aluminium, Reactions with air. Salts of metals (iron)

**10.6. Hazardous decomposition products****Other information**

Vapours and gases can form an explosive mixture with air.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**ATE 1'230 mg/kg  
Method calculated value (Regulation (EC) No. 1272/2008)**Acute oral toxicity (Components)****benzyl alcohol**Species rat  
LD50 1230 mg/kg  
Source Food and Cosmetics Toxicology. Vol. 2, Pg. 327, 1964.**Acute dermal toxicity**ATE 2'000 mg/kg  
Method calculated value (Regulation (EC) No. 1272/2008)

Trade name: Alcohol benzylicus Parenteral Grade

Substance number: 151401

Version: 1 / CH

Date revised: 10.05.2022

Replaces Version: - / CH

Print date: 10.05.22

**Acute dermal toxicity (Components)****benzyl alcohol**

Species	rabbit	
LD50	2000	mg/kg
Source	Raw Material Data Handbook, Vol. 1: Organic Solvents, 1974. Vol. 1, Pg. 6, 1974.	

**Acute inhalational toxicity**

ATE	11	mg/l
Administration/Form	Vapors	
Method	calculated value (Regulation (EC) No. 1272/2008)	
ATE	1.5	mg/l
Administration/Form	Dust/Mist	
Method	calculated value (Regulation (EC) No. 1272/2008)	

**Skin corrosion/irritation**

Remarks	Irritates the mucous membrane.
---------	--------------------------------

**Skin corrosion/irritation (Components)****benzyl alcohol**

Species	rabbit
evaluation	non-irritant
Method	OECD 404

**Serious eye damage/irritation**

Remarks	Irritates the eyes.
---------	---------------------

**Serious eye damage/irritation (Components)****benzyl alcohol**

Species	rabbit
evaluation	irritant
Method	OECD 405

**Sensitization**

Remarks	No sensitization effect known.
---------	--------------------------------

**Sensitization (Components)****benzyl alcohol**

Species	guinea pig
evaluation	non-sensitizing

**Mutagenicity (Components)****benzyl alcohol**

evaluation	No experimental indications on genotoxicity in vivo found.
------------	--

**Reproduction toxicity (Components)****benzyl alcohol**

evaluation	No negative effects
------------	---------------------

**Carcinogenicity (Components)****benzyl alcohol**

evaluation	No negative effects
------------	---------------------

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

LC50	460	mg/l
------	-----	------



Trade name: Alcohol benzylicus Parenteral Grade

Substance number: 151401

Version: 1 / CH

Date revised: 10.05.2022

Replaces Version: - / CH

Print date: 10.05.22

Duration of exposure	96	h	
Method	OECD 203		
Species	Bluegill ( <i>Lepomis macrochirus</i> )		
LC50	10		mg/l
Duration of exposure	96	h	
Species	Fathead minnow ( <i>Pimephales promelas</i> )		
	460		mg/l
Duration of exposure	96	h	
Remarks	Harmful to fishes.		

**Fish toxicity (Components)****benzyl alcohol**

LC50	460		mg/l
Duration of exposure	96	h	

**Daphnia toxicity**

Species	Daphnia magna		
EC50	230		mg/l
Duration of exposure	48	h	
Method	OECD 202		
Species	Daphnia magna		
NOEC	51		mg/l
Duration of exposure	21	d	

**Algae toxicity**

ErC50	770		mg/l
Duration of exposure	72	h	

**Algae toxicity (Components)****benzyl alcohol**

EC50	770		mg/l
Duration of exposure	72	h	

**Bacteria toxicity**

EC50	390		mg/l
Duration of exposure	24	h	

**Bacteria toxicity (Components)****benzyl alcohol**

EC50	390		mg/l
Duration of exposure	24	h	

**12.2. Persistence and degradability****Biodegradability**

evaluation Readily biodegradable

**Biodegradability (Components)****benzyl alcohol**evaluation Readily biodegradable  
Method OECD 301C**benzyl alcohol**

Method OECD 301 A

**Ready degradability (Components)****benzyl alcohol****12.3. Bioaccumulative potential**

Partition coefficient: n-octanol/water

Trade name: Alcohol benzylicus Parenteral Grade

Substance number: 151401

Version: 1 / CH

Date revised: 10.05.2022

Replaces Version: - / CH

Print date: 10.05.22

pOW 1.05  
Temperature 20 °C

**Bioconcentration factor (BCF) (Components)****benzyl alcohol**

log BCF 1.05  
Temperature 20 °C

**12.6. 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. Harmful to aquatic organisms.

**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
<b>14.1. UN number</b>	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

**National regulations Switzerland**

Swiss Toxicity Class 4  
SFOPH T no. G-1250

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

H302 Harmful if swallowed.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.

**CLP categories listed in Chapter 3**

Acute Tox. 4 Acute toxicity, Category 4  
Eye Irrit. 2 Eye irritation, Category 2

**Supplemental information**

Trade name: Alcohol benzylicus Parenteral Grade

Substance number: 151401

Version: 1 / CH

Date revised: 10.05.2022

Replaces Version: - / CH

Print date: 10.05.22

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.