

Trade name: Alcohol benzylicus / Univar

Substance number: 332110

Version: 2 / CH

Date revised: 17.12.2018

Replaces Version: 1 / CH

Print date: 04.10.19

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

### **1.1. Product identifier**

Alcohol benzylicus / Univar

Item No. 33211000

### **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

Eye Irrit. 2 H319

Acute Tox. 4 H332

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.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

##### **Precautionary statements**

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.

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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

Concentration &gt;= 100 %

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

Acute Tox. 4 H302

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****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**

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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.

## SECTION 8: Exposure controls/personal protection

### 8.2. Exposure controls

#### Exposure controls

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

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**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**

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>	aromatic
<b>Melting point</b>	
Value	- 15.3 °C
<b>Initial boiling point and boiling range</b>	
Value	205 °C
<b>Flash point</b>	
Value	99 °C
Method	closed cup
<b>Vapour pressure</b>	
Value	< 1 mmHg
Temperature	20 °C
<b>Vapour density</b>	
Value	3.7
<b>Solubility in water</b>	
Value	40 g/l
Temperature	20 °C
<b>Partition coefficient: n-octanol/water</b>	
pOW	1.05
<b>Ignition temperature</b>	
Value	436 °C
<b>Viscosity</b>	

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**dynamic**

Value	5.84		mPa.s
Temperature	25	°C	

**Explosive properties**

evaluation no

**Oxidising properties**

evaluation None known

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

Forms explosive mixture with air are possible.

**SECTION 10: Stability and reactivity****10.4. Conditions to avoid**

Protect from heat/overheating.

**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)	

**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)	

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**Skin corrosion/irritation**

Remarks Irritates the mucous membrane.

**Serious eye damage/irritation**

Remarks Irritates the eyes.

**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.

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

LC50	460		mg/l
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	

**Bacteria toxicity**

EC50	390		mg/l
Duration of exposure	24	h	

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

evaluation Readily biodegradable

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

pOW 1.05

**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>	Non-dangerous goods	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.  
H332 Harmful if inhaled.

**CLP categories listed in Chapter 3**

Acute Tox. 4 Acute toxicity, Category 4

**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.

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