

Trade name: Acidi borici solutio 3% conserviert

Substance number: 214301

Version: 2 / CH

Date revised: 28.12.2016

Replaces Version: 1 / CH

Print date: 28.12.16

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

### **1.1. Product identifier**

Acidi borici solutio 3% conserviert

Item No. 21430100

### **1.3. Details of the supplier of the safety data sheet**

#### **Address**

Hänseler AG

Industriestrasse 35

9101 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**

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

### **2.2. Label elements**

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

#### **Supplemental information**

EUH210 Safety data sheet available on request.

### **2.3. Other hazards**

No special hazards have to be mentioned.

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

### **Hazardous ingredients (Regulation (EC) No. 1272/2008) \*\*\***

#### **Boric acid**

CAS No. 10043-35-3

EINECS no. 233-139-2

Registration no. 01-2119486683-25

Concentration  $\geq 1$  < 3.1 %

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

Repr. 1B H360FD

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

Repr. 1B H360F  $\geq 5.5$ 

D

#### **Further ingredients**

##### **Water**

CAS No. 7732-18-5

EINECS no. 231-791-2

Concentration  $\geq 95$  %

Advice: [4]

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**Phenylmercury acetate**

CAS No. 62-38-4

EINECS no. 200-532-5

Concentration &lt; 1 %

Advice: [4]

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

Acute Tox. 3 H301

Aquatic Chronic 1 H410

Aquatic Acute 1 H400

STOT RE 1 H372

Skin Corr. 1B H314

**Advice:**

[4] Voluntary information

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

Ensure supply of fresh air.

**After skin contact**

After contact with skin, wash immediately with plenty of water. Remove contaminated, soaked clothing immediately and dispose of safely.

**After eye contact**

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

**After ingestion**

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. By continuous complaints consult a physician.

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

Extinguishing measures to suit surroundings

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

The product is not combustible.

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

Use self-contained breathing apparatus.

**Other information**

Do not discharge into surface waters/groundwater.

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

Wear protective equipment. Avoid breathing vapours.

**6.2. Environmental precautions**

Do not empty into drains.

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**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.

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

No special requirements.

**7.2. Conditions for safe storage, including any incompatibilities****Further information on storage conditions**

Keep container tightly closed. Protect from light.

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

List	SUVA		
Type	MAK		
Value	10	mg/m <sup>3</sup>	
Short term exposure limit	10	mg/m <sup>3</sup>	
Pregnancy group: S; Status: 2014			

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

General industrial hygiene practice. Avoid contact with skin and eyes.

**Respiratory protection**

necessary

**Hand protection**

necessary

Appropriate Material	nitrile rubber - NBR		
Material thickness	0.11	mm	
Breakthrough time	> 480	min	

**Eye protection**

necessary

**Body protection**

necessary

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

<b>Form</b>	Liquid		
<b>Colour</b>	colourless		
<b>pH value</b>			
Value	4.0	to	5.0
Temperature	20	°C	
<b>Melting point</b>			
Remarks	No data available		

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**Initial boiling point and boiling range**

Remarks No data available

**Flash point**

Value °C

Remarks Not applicable

**Density**Value 1.007 g/cm<sup>3</sup>

Temperature 20 °C

**Solubility in water**

Remarks No data available

**SECTION 10: Stability and reactivity****10.6. Hazardous decomposition products**

No data available.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity (Components)****Boric acid**Species rat  
LD50 2660 mg/kg**Acute dermal toxicity (Components)****Boric acid**Species rat  
LD50 > 2000 mg/kg**Acute inhalational toxicity**

ATE 2.0667 mg/l

Administration/Form Vapors  
Method calculated value (Regulation (EC) No. 1272/2008)**Acute inhalative toxicity (Components)****Boric acid**Species rat  
LD50 > 2.03 mg/l  
Method OECD 403**Boric acid**Species rat  
NOAEL 0.062 mg/l  
Duration of exposure 21 d  
Administration/Form Vapors  
Source OECD 412**Sensitization (Components)****Boric acid**Species guinea pig  
evaluation non-sensitizing  
Method OECD 406**Other information**

By appropriate use of the product no health damage is known.

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## **SECTION 12: Ecological information**

### **12.1. Toxicity**

#### **Fish toxicity (Components)**

##### **Boric acid**

Species	rainbow trout ( <i>Oncorhynchus mykiss</i> )		
LC50	50	100	mg/l
Duration of exposure	96	h	

##### **Boric acid**

Species	Bluegill ( <i>Lepomis macrochirus</i> )		
LC0	> 1021		mg/l
Duration of exposure	96	h	

#### **Daphnia toxicity (Components)**

##### **Boric acid**

Species	Daphnia magna		
LC50	53.2		mg/l
Duration of exposure	21	d	

##### **Boric acid**

Species	Daphnia magna		
EC50	133		mg/l
Duration of exposure	48	h	

### **12.6. Other adverse effects**

#### **General information / ecology**

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

## **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**

Non-dangerous goods

### **Marine transport IMDG/GGVSee**

The product does not constitute a hazardous substance in sea transport.

### **Air transport ICAO/IATA**

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      WGK 3

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(Germany)  
Remarks

Classification according to Annex 4 VwVwS

## **SECTION 16: Other information**

### **Hazard statements listed in Chapter 3**

H360FD May damage fertility. May damage the unborn child.

### **CLP categories listed in Chapter 3**

Repr. 1B Reproductive toxicity, Category 1B

### **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.