

# Safety data sheet

according to Regulation (EC) No. 1907/2006

# Schliessmann Schwäbisch Hall

Date: 27.09.2017

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name: Rebelein-Reagenz „ALKOHOL 5“ / Rebelein „Alcohol 5“  
Article: 0020 f.  
Chemical name: -  
Chemical name: Acetic acid  
Registration number: See section 3 for substances contained in the mixture

**1.2 Relevant identified uses of the substance or mixture and uses advised against** Reagent for the analysis of beverages

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

Company: C. Schliessmann Kellerei-Chemie GmbH & Co KG  
Auwiesenstr. 5, D-74523 Schwäbisch Hall  
Tel. 0049-(0)791 / 97191 -0, Fax -25  
E-Mail: service@c-schliessmann.de

**1.4 Emergency telephone number** Poison centre Freiburg: Tel. 0049-(0)761 / 19240

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

Skin Irrit. 2 H315 Causes skin irritation.  
Eye Irrit. 2 H319 Causes serious eye irritation.

### 2.2 Label elements according to Regulation (EC) No 1272/2008

Hazard pictograms:



Signal word: **WARNING**

**Hazardous component:** acetic acid

**Hazard statements:** H315 Causes skin irritation.  
H319 Causes serious eye irritation.

**Precautionary statements:** P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P302+P352 IF ON SKIN: Wash with plenty of water and soap.

**2.3 Other hazards** May be corrosive to metals.

## 3. Composition/information on ingredients

**3.1 Substance** The product is a mixture.

**3.2 Mixtures** Mixture of substances listed below with water and approx. 1 % of solubilized starch

Dangerous component: acetic acid

EC Number: 200-580-7  
CAS: 64-19-7  
Reg.nr.: 01-2119475328-30-XXXX  
Classification: Flam. Liq. 3 H226 Flammable liquid and vapour.  
Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Content: approx. 10 %

#### 4. First aid measures

##### 4.1 Description of first aid measures

After inhalation: Supply fresh air.  
After skin contact: Wash with plenty of water.  
After eye contact: Rinse opened eye for 10 minutes under running water. If symptoms persist, consult a doctor.  
After swallowing: Rinse out mouth and drink 2 glasses of water. Obtain medical attention.

##### 4.2 Most important symptoms and effects, both acute and delayed

After inhalation: Mucosal irritations  
After skin contact: Irritations.  
After eye contact: Severe irritations  
After swallowing: Irritations.

##### 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

#### 5. Firefighting measures

**5.0 Combustibility** The product is not combustible.  
**5.1 Suitable extinguishing agents** Foam, powder, CO<sub>2</sub> or waterspray  
**5.2 Special hazards arising from the substance or mixture** In the event of fire development of hazardous combustion gases or vapours possible. Carbon monoxide and carbon dioxide.  
**5.3 Advice for firefighters** Wear self-contained respiratory protective device.

#### 6. Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**  
Avoid contact with the eyes and skin and inhalation of vapours. Provide adequate ventilation.  
**6.2 Environmental precautions** Not necessary  
**6.3 Methods and material for containment and cleaning up** Dilute with plenty of water and flush away.  
**6.4 Reference to other sections** See Section 13 for disposal information.

#### 7. Handling and storage

**7.1 Precautions for safe handling** No special requirements  
**7.2 Conditions for safe storage, including any incompatibilities** Keep well closed at 15-25°C, not in metal tins or containers; in a well ventilated area.  
**7.3 Specific end use(s)** See section 1.2

#### 8. Exposure controls/personal protection

**8.1 Control parameters**  
WEL (Great Britain): Long-term value acetic acid: 25 mg/m<sup>3</sup>

##### 8.2 Exposure controls

Personal protective equipment:  
Respiratory protection: When vapours/aerosols are generated, Filter type A  
Eye protection: Safety glasses  
Skin protection: Not required.  
General hygiene considerations: Change contaminated clothing. Preventive skin protection. Wash hands after working.

## 9. Physical and chemical properties

Physical state:	Liquid
Colour:	Colourless
Odour:	Like vinegar (acetic acid)
pH-value:	approx. 2,2 (20°C)
Melting temperature:	Not available
Boiling temperature:	Not available
Ignition temperature:	Not available
Flash point:	Not available
Danger of explosion:	Lower 4 Vol.% (Acetic acid) Upper 20 Vol.% (Acetic acid)
Vapour pressure:	23 hPa (20°C)
Density:	1,01 g/cm <sup>3</sup> (20°C)
Solubility in water:	Unlimited

## 10. Stability and reactivity

<b>10.1 Reactivity</b>	Has a corrosive effect to metals.
<b>10.2 Chemical stability</b>	No decomposition if used and stored according to specifications.
<b>10.3 Possibility of hazardous reactions</b>	Reacts with strong oxidizing agents.
<b>10.4 Conditions to avoid</b>	Heating
<b>10.5 Incompatible materials</b>	Various metals
<b>10.6 Hazardous decomposition products</b>	In case of fire: see section 5.

## 11. Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity (acetic acid): LD50 (oral, rat):	3310 mg/kg
Subacute/chronic toxicity:	No sensitizing effects known.
CMR effects:	
Mutagenicity:	No classification as mutagenic or teratogenic toxicant.
Carcinogenicity:	No classification as carcinogenic toxicant.
Reproductive toxicity:	No classification as reproductive toxicant.

### 11.2 Further information

See section 4 for symptoms after direct contact with the product

## 12. Ecological information

All Informations refer to:	acetic acid
<b>12.1 Aquatic toxicity</b>	LC50 (96h) 75 mg/l (bluegill)
<b>12.2 Persistence and degradability</b>	Acetic acid is readily biodegradable.
<b>12.3 Bioaccumulative potential</b>	No further relevant information available.
<b>12.4 Mobility in soil</b>	No further relevant information available.
<b>12.5 Results of PBT and vPvB assessment</b>	Not applicable.
<b>12.6 Other adverse effects</b>	No further relevant information available.

## 13. Disposal considerations

Product must be disposed of as hazardous waste. Disposal according to official regulations. Little quantities may be rinsed away with plenty of water after neutralization.

## 14. Transport information

### 14.1 UN-Number

ADR, IMDG, IATA: UN2790

### 14.2 UN proper shipping name

ADR: 2790 ACETIC ACID SOLUTION  
IMDG, IATA: ACETIC ACID SOLUTION

### 14.3 Transport hazard class(es)

ADR:	Class 8 / Corrosive substances, Label 8 classification code C3
IMDG:	Transport category 3 / LQ7 / 5 L Class 8 / Corrosive substances, Label 8 EmS: F-A S-B
IATA:	Class 8 / Corrosive substances, Label 8

### 14.4 Packing group

ADR, IMDG, IATA: III

### 14.5 Environmental hazards

Marine pollutant: No

## 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Information about limitation of use: Employment restrictions concerning juveniles must be observed.

Waterhazard class: 0 (not hazardous for water)

## 16. Other information

The informations provided on this SDS are correct to the best of our knowledge and information. These informations are designed as a guide for safe handling. They are no guarantee for specific characteristics of the product.