Safety data sheet
according to Regulation (EC) No. 1907/2006

Schliessmann Schwäbisch Hall

Date: 01.02.2016

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

1.1 Product identifier

Product name:	Rebelein-Reagenz „ZUCKER 5“ / Rebelein „SUGAR 5“
Article:	0033 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 Verursacht Hautreizungen.
Eye Irrit. 2 H319 Verursacht schwere Augenreizung.

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

Hazard pictograms:

Signal word: **WARNING**

Hazardous compenent: 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 an soap.

2.3 Other hazards: No informations available

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

Index 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 glass 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_2 or water
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.

6.2 Environmental precautions	Not necessary
6.3 Methods and material for containment	Dilute with plenty of water.
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	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/m³

8.2 Exposure controls

Personal protective equipment:

Respiratory protection:	When vapours/aerosols are generated, Filter E (-P2)
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:	Stinging
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/cm³ (20°C)
Solubility in water:	Unlimited

10. Stability and reactivity

10.1 Reactivity	Has a corrosive effect.
10.2 Chemical stability	No decomposition if used and stored according to specifications.
10.3 Possibility of hazardous reactions	Reacts with strong oxidizing agents.
10.4 Conditions to avoid	Heating
10.5 Incompatible materials	Various metals
10.6 Hazardous decomposition products	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:	Ames-test and tests with animals didn’t show mutagenic or teratogenic effects.
Carcinogenicity:	No known significant effects
Reproductive toxicity:	No known significant effects
11.2 Further information	See section 4 for symptoms after direct contact with the product

12. Ecological information

All Informations refer to:	acetic acid
12.1 Aquatic toxicity	LC50 (96h) 75 mg/l (bluegill)
12.2 Persistence and degradability	Acetic acid is readily biodegradable.
12.3 Bioaccumulative potential	No further relevant information available.
12.4 Mobility in soil	No further relevant information available.
12.5 Results of PBT and vPvB assessment	Not applicable.
12.6 Other adverse effects	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 Transport category 3 / LQ7 / 5 L
IMDG:	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 chracteristics of the product.