

# Safety data sheet

according to Regulation (EC) No. 1907/2006

# Schliessmann Schwäbisch Hall

Date: 22.09.2017

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

### 1.1 Product identifier

Product name: Rebelein-Reagenz „SCHWEFEL 4“ / Rebelein „Sulfur 4“  
Article: 0046 f.  
Chemical name: -  
Chemical name: Solution of potassium iodide, starch and sodium hydroxide in water  
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

No hazardous product.

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

Hazard pictograms: deleted  
Signal word: deleted

**Hazardous component:** deleted

**Hazard statements:** deleted

**Precautionary** deleted

**2.3 Other hazards** No informations available

## 3. Composition/information on ingredients

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

**3.2 Mixtures** Solution of potassium iodide (approx. 2 %), starch (0,5 %) and sodium hydroxide in water

Dangerous component: sodium hydroxide  
EC Number: 215-185-5  
CAS: 1310-73-2  
Reg.nr.: 01-2119457892-27-XXXX  
Classification: Met. Corr. 1 H290 May be corrosive to metals.  
Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Content: < 0,2 %

## 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. In severe cases obtain medical attention.
After swallowing:	Rinse out mouth and drink two glasses of water. In case of symptoms obtain medical attention.

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

After inhalation:	Slight irritation possible.
After skin contact:	Slight irritation possible.
After eye contact:	Slight irritation possible.
After swallowing:	Slight irritation possible.

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

No further relevant information available.

## 5. Firefighting measures

<b>5.0 Combustibility</b>	The product is not combustible.
<b>5.1 Suitable extinguishing agents</b>	Foam, powder, CO <sub>2</sub> or water spray
<b>5.2 Special hazards arising from the substance or mixture</b>	None
<b>5.3 Advice for firefighters</b>	Extinguishing activities according to the environment

## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid substance contact. Don't breathe aerosols and fumes.

<b>6.2 Environmental precautions</b>	Not necessary
<b>6.3 Methods and material for containment and cleaning up</b>	Dilute with water and clean up.
<b>6.4 Reference to other sections</b>	See Section 13 for disposal information.

## 7. Handling and storage

<b>7.1 Precautions for safe handling</b>	See notes in Section 2 and 8.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	Keep well closed at 15-25°C, not in metal tins or containers.
<b>7.3 Specific end use(s)</b>	See section 1.2

## 8. Exposure controls/personal protection

### 8.1 Control parameters

The product contains no relevant quantities of substances for WEL.

### 8.2 Exposure controls

Personal protective equipment:	
Respiratory protection:	-
Eye protection:	Safety glasses
Skin protection:	-
General hygiene considerations:	Change contaminated clothing. Preventive skin protection. Wash hands after working.

## 9. Physical and chemical properties

Physical state:	Liquid
Colour:	Colourless to slightly yellow
Odour:	Odourless
pH-value:	11 (20°C)
Melting temperature:	Not available
Boiling temperature:	Not available
Ignition temperature:	Not applicable

Flash point:	Not applicable
Danger of explosion:	Not applicable
Vapour pressure:	Not available
Density:	1,02 g/cm <sup>3</sup> (20°C)
Solubility in water:	Unlimited

## 10. Stability and reactivity

<b>10.1 Reactivity</b>	See section 10.3
<b>10.2 Chemical stability</b>	No decomposition if used and stored according to specifications.
<b>10.3 Possibility of hazardous reactions</b>	May be corrosive to metals.
<b>10.4 Conditions to avoid</b>	No information available.
<b>10.5 Incompatible materials</b>	Light 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 (sodium hydroxide): LD50 (oral, rat):	2000 mg/kg
Subacute/chronic toxicity:	No sensitizing effects known.
CMR effects:	
Mutagenicity:	Ames-test and tests with animal cells didn't show mutagenic or teratogenic effects.
Carcinogenicity:	No classification as carcinogenic toxicant.
Reproductive toxicity:	No classification as reproductive toxicant.
Acute toxicity (potassium iodide): LD50 (oral, rat):	2800 mg/kg
Subacute/chronic toxicity:	For Iodide generally applies: Sensitization with allergic manifestations in predisposed persons.
CMR effects:	
Mutagenicity:	Ames-test and tests with animal cells didn't show mutagenic or teratogenic effects.
Carcinogenicity:	No classification as carcinogenic toxicant.
Reproductive toxicity:	No classification as reproductive toxicant.

<b>11.2 Further information</b>	See section 4 for symptoms after direct contact with the product
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## 12. Ecological information

<b>12.1 Aquatic toxicity</b>	LC50 (96h) 125 mg/l (mosquito fish); damaging effect due to pH shift (sodium hydroxide) LC50 (96h) 2200 mg/l (rainbow trout) (potassium iodide)
<b>12.2 Persistence and degradability</b>	Not applicable.
<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.

## 14. Transport information

<b>14.1 UN-Number</b>	
ADR, IMDG, IATA:	UN 1824

#### 14.2 UN proper shipping name

ADR: 1824 SODIUM HYDROXIDE SOLUTION  
IMDG, IATA: SODIUM HYDROXIDE SOLUTION

#### 14.3 Transport hazard class(es)

ADR: Class 8 / Corrosive substances, Label 8  
classification code C5  
Transport category 3 / LQ7 / 5L  
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: 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.