

Safety data sheet

according to Regulation (EC) No. 1907/2006

Schliessmann Schwäbisch Hall

Date: 26.02.2016

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

1.1 Product identifier

Product name: Rebelein-Reagenz „ZUCKER 3“ / Rebelein „SUGAR 3“
Article: 0029 f.
Chemical name: -
Chemical name: Solution of potassium iodide 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

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:

sodium hydroxide

Hazard statements:

H315
H319

Causes skin irritation.
Causes serious eye irritation.

Precautionary statements:

P302+P352
P305+P351+P338

IF ON SKIN: Wash with plenty of water and soap.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.

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. 30 %) and sodium hydroxide

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: < 1 %

4. First aid measures

4.1 Description of first aid measures

After inhalation: Supply fresh air.
After skin contact: Wash with water and soap.
After eye contact: Rinse opened eye for 10 minutes under running water. Then consult a doctor.
After swallowing: Rinse out mouth and drink two glasses of water. Call for a doctor.

4.2 Most important symptoms and effects, both acute and delayed

After inhalation: Irritations.
After skin contact: Irritations.
After eye contact: Heavy irritations, Risk of serious damage!
After swallowing: After absorption of toxic amounts of potassium iodid:
Blood pressure decrease, paralysis, excitation, heartburn.

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, CO₂ or water spray
5.2 Special hazards arising from the substance or mixture Not known.
5.3 Advice for firefighters Extinguishing activities according to the environment; wear self-contained respiratory protective device, avoid skin contact.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental precautions Not necessary

6.3 Methods and material for containment and cleaning up Dilute with water and clean up.

6.4 Reference to other sections See Section 13 for disposal information.

7. Handling and storage

7.1 Precautions for safe handling See notes in Section 2 and 8.

7.2 Conditions for safe storage, including any incompatibilities Keep well closed at 15-25°C, not in metal tins or containers.

7.3 Specific end use(s) See section 1.2

8. Exposure controls/personal protection

8.1 Control parameters

WEL (Great Britain): Short-term value sodium hydroxide: 2 mg/m³

8.2 Exposure controls

Personal protective equipment:

Respiratory protection: When vapours/aerosols are generated, Filter P2

Eye protection: Tightly sealed glasses

Skin protection: Protective gloves

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:	13 (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:	1,22 g/cm ³ (20°C)
Solubility in water:	Unlimited

10. Stability and reactivity

10.1 Reactivity	See section 10.3
10.2 Chemical stability	No decomposition if used and stored according to specifications.
10.3 Possibility of hazardous reactions	Violent reaction with oxidizing agents possible; may be corrosive to metals.
10.4 Conditions to avoid	No information available.
10.5 Incompatible materials	Light metals
10.6 Hazardous decomposition products	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: CMR effects: Mutagenicity:	No sensitizing effects known. Ames-test and tests with animals didn't show mutagenic or teratogenic effects.
Carcinogenicity: Reproductive toxicity:	No information available. No information available.
Acute toxicity (potassium iodide): LD50 (oral, rat):	2800 mg/kg
Subacute/chronic toxicity: CMR effects: Mutagenicity:	For Iodide generally applies: Sensitization with allergic manifestations in predisposed persons. Ames-test and tests with animal cells didn't show mutagenic or teratogenic effects.
Carcinogenicity: Reproductive toxicity:	No classification as carcinogenic toxicant. No classification as reproductive toxicant.
11.2 Further information	See section 4 for symptoms after direct contact with the product

12. Ecological information

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

14. Transport information

14.1 UN-Number

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: 1 (slightly 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.