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:	Blaulauge 1/3n / blue lye 1/3n
Article:	0100 ff.
Chemical name:	-
Chemical name:	Ethanolic aqueous sodium hydroxide solution with color indicator
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

Met. Corr. 1 H290 May be corrosive to metals.
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 compenent: sodium hydroxide

Hazard statements:	H290	May be corrosive to metals.
	H315	Causes skin irritation.
	H319	Causes serious eye irritation.
Precautionary statements:	P280	Wear protective gloves / protective clothing / eye protection / face protection.
	P302+P352	IF ON SKIN: Wash with plenty of water and soap.
	P305+P351+P338	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	Sodium hydroxide solution in water with ethanol and indicator (< 0,05 % bromthymolblue)
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:	1-2 %
Dangerous component:	ethanol
EC Number:	603-002-00-5
CAS:	64-17-5
Reg.nr.:	01-2119457610-43-XXXX
Classification:	Flam. Liq. 2 H225 Highly flammable liquid and vapour.
Content:	< 5 %

4. First aid measures

4.1 Description of first aid measures

After inhalation:	Supply fresh air. In case of complaints call a doctor.
After skin contact:	Wash with water and soap. In case of complaints call a doctor.
After eye contact:	Rinse opened eye for 10 minutes under running water. Immediately consult a doctor.
After swallowing:	Rinse out mouth and drink 2 glasses of water, do not induce vomiting (Risk of perforation!). Call for a doctor immediately. No attempt to neutralize.

4.2 Most important symptoms and effects, both acute and delayed

After inhalation:	Mucosal irritations, cough
After skin contact:	Irritations.
After eye contact:	Heavy irritations, Risk of serious damage!
After swallowing:	Mucosal 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 spray
5.2 Special hazards arising from the substance or mixture	Risk of explosion by hydrogen gas formation on contact with light metals.
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	Dilute with plenty of water. Do not allow to enter sewers/ground water or penetrate the soil.
6.3 Methods and material for containment and cleaning up	Absorb with liquid-absorbent and arrange removal by disposal company. Clean up with water.
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.; separated from acids and foods.

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:	blue
Odour:	Slightly alcoholic
pH-value:	13,5 (20°C)
Melting temperature:	Not available
Boiling temperature:	Not available
Ignition temperature:	Not applicable
Flash point:	> 65°C
Danger of explosion:	Not applicable
Vapour pressure:	Not available
Density:	0,99 g/cm³ (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 Risk of explosion, formation of hydrogen gas when in contact with metals, violent reaction with acids

10.4 Conditions to avoid Heating will create alcoholic vapours.

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 (sodium hydroxide):

LD50 (oral, rat): 2000 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 classification as carcinogenic toxicant.

Reproductive toxicity: No classification as reproductive toxicant.

Acute toxicity (ethanol):

LD50 (oral, rat): 6000 mg/kg

Subacute/chronic toxicity: No sensitizing effects known.

11.2 Further information See section 4 for symptoms after direct contact with the product; Irritating to the skin and mucous membranes of the eyes and respiratory tract.

12. Ecological information

All Informations refer to:	sodium hydroxide
12.1 Aquatic toxicity	LC50 (96h) 125 mg/l (mosquito fish); damaging effect due to pH shift
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 chracteristics of the product.