

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

#### Trade name/designation

ZZ19-0000-0AA                      Classic BioLauge  
UFI:                                      DSHQ-M0HD-S00R-P612

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

paint and/or paint-related material

#### Relevant identified uses

Reserved for industrial and professional use.

#### Uses advised against

Do not use for injecting or spraying.

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

#### Supplier

Berger-Seidle GmbH  
Maybachstr. 2                      Telephone: +49 6359 8005-0  
67269 Grünstadt                      E-mail: info@berger-seidle.de  
Germany                                  Website: www.berger-seidle.de

#### Department responsible for information

E-mail (competent person)              Sicherheitsdaten@berger-seidle.de

### 1.4 Emergency telephone number

Emergency telephone number              +49 700 24112112  
24 hr. emergency phone number

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Eye Dam. 1                      H318 Causes serious eye damage.  
Skin Corr. 1                      H314 Causes severe skin burns and eye damage.

### 2.2 Label elements

#### Hazard pictograms



GHS05

#### Signal word

Danger

#### Hazard statements

H314                      Causes severe skin burns and eye damage.

#### Precautionary statements

P101                      If medical advice is needed, have product container or label at hand.  
P102                      Keep out of reach of children.  
P103                      Read carefully and follow all instructions.  
P260                      Do not breathe vapours.  
P280                      Wear protective gloves and eye protection/face protection.  
P301 + P330 + P331              IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353              IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P304 + P340                      IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305 + P351 + P338              IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310                      Immediately call a POISON CENTER.  
P363                      Wash contaminated clothing before reuse.  
P405                      Store locked up.  
P501                      Dispose of contents/container to industrial incineration plant.

**Hazard components for labelling**

potassium hydroxide

**2.3 Other hazards**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**SECTION 3: Composition/information on ingredients.**

**3.2 Mixtures**

**Description**

Lösung anorganischer Laugen

**Hazardous ingredients**

CAS No. EC No. Index No.	Substance name REACH No.	weight-%
1310-58-3 215-181-3 019-002-00-8	<b>potassium hydroxide</b> Met. Corr. 1 H290 / Acute Tox. 4 H302 / Skin Corr. 1A H314 / Eye Dam. 1 H318	3,00 < 5,00

**Remark**

Full text of H-phrases: see section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information**

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

**Following inhalation**

In case of irregular breathing or respiratory arrest provide artificial respiration. Remove casualty to fresh air and keep warm and at rest.

**Following skin contact**

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

**After eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

**Following ingestion**

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

**Self-protection of the first aider**

First aider: Pay attention to self-protection!

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

**Symptoms**

In all cases of doubt, or when symptoms persist, seek medical advice.

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

First Aid, decontamination, treatment of symptoms.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

alcohol resistant foam, Carbon dioxide (CO<sub>2</sub>), Powder, spray mist, (water)

**Unsuitable extinguishing media**

Strong water jet

**5.2 Special hazards arising from the substance or mixture**

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

### 5.3 Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

## SECTION 6: Accidental release measures

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

Remove all sources of ignition. Ventilate affected area. Do not breathe vapours.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

### 6.3 Methods and material for containment and cleaning up

#### For containment

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

#### For cleaning up

Clean using cleansing agents. Do not use solvents.

### 6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: refer to section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advices on safe handling

Avoid contact with skin, eyes and clothes. Personal protection equipment: see section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

#### Advices on general occupational hygiene

When using do not eat, drink or smoke.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSivO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

#### Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

**Storage class** LGK8B - Non-combustible corrosive substances

#### Further information on storage conditions

Keep container tightly closed. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

### 7.3 Specific end use(s)

Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

No data available

#### Biological limit values

No data available

#### DNEL worker

CAS No.	Substance name	DNEL type	DNEL value
---------	----------------	-----------	------------

1310-58-3	potasium hydroxide	DNEL long-term inhalative (local)	1 mg/m <sup>3</sup>
-----------	--------------------	-----------------------------------	---------------------

**DNEL Consumer**

CAS No.	Substance name	DNEL type	DNEL value
1310-58-3	potasium hydroxide	DNEL long-term inhalative (local)	1 mg/m <sup>3</sup>

**8.2 Exposure controls**

Provide good ventilation. This can be achieved with local or room suction.

**Personal protection equipment**

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**Hand protection**

Suitable material: NBR (Nitrile rubber)

Thickness of the glove material  $\geq 0.4$  mm

Breakthrough time  $\geq 480$  min

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin.

Recommended glove articles: EN ISO 374

**Skin protection**

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

**Eye/face protection**

Eye glasses with side protection: EN 166

**Body protection**

When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn. Anti-static clothing including shoes are recommended.

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Physical state	Liquid	
Colour	transparent	
Odour	characteristic	
pH at 20.0 °C (100%)	13 - 14	DIN EN ISO 19396-1
Melting point/freezing point	not determined	
Initial boiling point and boiling range	100 °C	
	Source: Water	
Flash point	not applicable	
flammability	not applicable	
Lower explosion limit at 20°C	not determined	
Upper explosion limit at 20°C	not determined	
Vapour pressure at 20°C	23 mbar	
Relative vapour density	not applicable	
Density at 20 °C	1.02 kg/l	
Water solubility at 20°C	completely miscible	
Partition coefficient: n-octanol/water	see section 12	
Ignition temperature in °C	not determined	
Decomposition temperature	not determined	
Viscosity at 20 °C	20 mm <sup>2</sup> /s	
particle characteristics	not applicable	

9.2

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability**

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

**10.3 Possibility of hazardous reactions**

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

**10.4 Conditions to avoid**

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

**10.5 Incompatible materials**

No further relevant information available.

**10.6 Hazardous decomposition products**

Decomposition products in case of fire: see section 5.

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity**

Based on available data, the classification criteria are not met.

**Skin corrosion/irritation**

Causes severe skin burns and eye damage.

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Respiratory or skin sensitisation**

Based on available data, the classification criteria are not met.

**Overall assessment on CMR properties**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Practical experience/human evidence**

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: Headache, Dizziness, fatigue, amyosthenia, Dizziness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

**11.2 Information on other hazards**

**Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

**SECTION 12: Ecological information**

**12.1 Toxicity**

Based on available data, the classification criteria are not met.

**Fish toxicity**

**potasium hydroxide**

LC50: (*Gambusia affinis* (Mosquito fish)): = 80 mg/L (96 h)

**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6 Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7 Other adverse effects**

No information available.

## SECTION 13: Disposal considerations

**13.1 Waste treatment methods**

**Product/Packaging disposal**

Do not empty into drains; dispose of this material and its container in a safe way.

**Waste codes/waste designations according to EWC/AVV**

110107\* - pickling bases

\* Hazardous waste according to Directive 2008/98/EC (waste framework directive).

**Other disposal recommendations**

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

## SECTION 14: Transport information

**14.1 UN number or ID number**

UN 1719

**14.2 UN proper shipping name**

**Land transport (ADR/RID)**

Caustic alkali liquid, n.o.s. (potasium hydroxide)

**Sea transport (IMDG)**

Caustic alkali liquid, n.o.s. (contains potasium hydroxide)

**Air transport (ICAO-TI / IATA-DGR)**

Caustic alkali liquid, n.o.s. (contains potasium hydroxide)

**14.3 Transport hazard class(es)**

Land transport (ADR/RID)	8
Sea transport (IMDG)	8
Air transport (ICAO-TI / IATA-DGR)	8

**14.4 Packing group**

Land transport (ADR/RID)	II
Sea transport (IMDG)	II
Air transport (ICAO-TI / IATA-DGR)	II

**14.5 Environmental hazards**

Land transport (ADR/RID)	not applicable
Sea transport (IMDG)	not applicable

**14.6 Special precautions for user**

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

**14.7 Maritime transport in bulk according to IMO instruments**

No transport as bulk according to IBC Code.

#### 14.8 Additional information

##### Land transport (ADR/RID)

Tunnel restriction code: E  
Limited quantity (LQ): 1 l  
Hazard identification number (Kemler No.): 80

##### Sea transport (IMDG)

Segregation group: IMDG-Code segregation group 18 - Alkalies  
EmS-No.: F-A, S-B  
Limited quantity (LQ): 1 l

##### Air transport (ICAO-TI / IATA-DGR)

not applicable

### SECTION 15: Regulatory information

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

##### National regulations

Observe in addition any national regulations!

##### Substance/product listed in the following inventories

Australian Inventory of Chemical Substances (AICS) - AU  
Domestic Substances List (DSL) - CA  
Japanese Existing and New Chemical Substances Inventory (ENCS) - JP  
U.S. Toxic Substances Control Act (TSCA) - US

### SECTION 16: Other information

#### List of relevant hazard statements and/or precautionary statements from sections 2 to 15

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

#### Key literature references and sources for data

Data arise from reference works and literature.

#### Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
OEL: Occupational Exposure Limit Value  
BLV: Biological limit values  
CAS: Chemical Abstracts Service  
CLP: Classification, Labelling and Packaging  
CMR: Carcinogenic, Mutagenic and Reprotoxic  
DIN: German Institute for Standardization / German industrial standard  
DNEL: Derived No-Effect Level  
EAKV: European Waste Catalogue Directive  
EC: Effective Concentration  
EC: European Community  
EN: European Standard  
EU/EEA: European Economic Area  
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations  
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
ICAO-TI: International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG Code: International Maritime Code for Dangerous Goods  
ISO: International Organization for Standardization  
LC: Lethal Concentration  
LD: Lethal Dose  
:  
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships  
OECD: Organisation for Economic Cooperation and Development  
PBT: persistent, bioaccumulative, toxic  
PNEC: Predicted No Effect Concentration  
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

# Safety Data Sheet

## WHMIS 2015

ZZ19-0000-0AA  
Version 1.0

Classic BioLauge  
Revision date Jun. 24, 2025

Print date Jun. 24, 2025

UN: United Nations  
VOC: Volatile Organic Compounds  
vPvB: very persistent and very bioaccumulative

### Indication of changes

\* Data changed compared with the previous version.