



ES WIRKT.

Voluntary safety information following the Safety Data Sheet format according to Regulation (EC) No. 1907/2006 (REACH)

Harzlöser

Print date 08.08.2023
Revision date 12.07.2023
Version 3.2 (en)
replaces version of 03.07.2023 (3.1)

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

1.1 Product identifier

Trade name/designation Harzlöser
Unique Formula Identifier UFI: W6ED-D1GN-K007-YWRV

Hazard components

potassium hydroxide

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

Use of the substance/mixture

Cleaning of surfaces

1.3 Details of the supplier of the safety data sheet

Supplier

F.W.Klever
Hauptstraße 20
D-84168 Aham
Telephone +49 (0) 8744 96 99 10
Telefax + 49 (0) 8744 96 99 96
E-mail info@ballistol.de
Website www.ballistol.de

Department responsible for information:

Qualitätssicherung
Telephone +49 (0) 8744 96 99 80

E-mail (competent person):

info@ballistol.de

Manufacturer

F.W.Klever
Hauptstraße 20
D-84168 Aham
Telephone +49 (0) 8744 96 99 10
Telefax + 49 (0) 8744 96 99 96
E-mail info@ballistol.de
Website www.ballistol.de

Department responsible for information:

Qualitätssicherung
Telephone +49 (0) 8744 96 99 80

E-mail (competent person):

info@ballistol.de

1.4 Emergency telephone number

Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0)6132-84463



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*** SECTION 2: Hazards identification**

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Classification procedure

Skin Irrit. 2, H315

Eye Dam. 1, H318

Hazard statements for health hazards

H315 Causes skin irritation.

H318 Causes serious eye damage.

*** 2.2 Label elements**

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard components

potassium hydroxide

Hazard pictograms



GHS05

Signal word

Danger

Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

P102 Keep out of reach of children.

P310 Immediately call a POISON CENTER/doctor.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P264 Wash hands thoroughly after handling.

P280 Wear eye protection.

P501 Dispose of contents / container to recycling

*** 2.3 Other hazards**

*** Adverse human health effects and symptoms**

The mixture does not contain substances with persistent, bioaccumulative and toxic or very persistent and very bioaccumulative properties according to Annex XIII of the REACH Regulation.

The product does not contain any substance included in the candidate list established according to Art. 59 (1)

The product does not contain any substances that exhibit endocrine disrupting or endocrine disrupting properties according to the criteria of Delegated Regulation (EU) 2017/2100 or Regulation (EU) 2018/605

SECTION 3: Composition / information on ingredients

3.1 Substances

not applicable



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3.2 Mixtures

Hazardous ingredients

CAS No.	EC No.	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
1310-58-3	215-181-3	potassium hydroxide	< 4 weight-%	Acute Tox. 4 ; H302 Skin Corr. 1A; H314	Skin Corr. 1A; H314: C _P ≥5% Skin Corr. 1B; H314: 2%≤C _P <5% Skin Irrit. 2; H315: 0.5%≤C _P <2% Eye Irrit. 2; H319: 0.5%≤C _P <2%

Remark

Contains <5 wt.% amphoteric and nonionic surfactants and NTA salt

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation

Remove casualty to fresh air and keep warm and at rest.
If intensive inhalation of fumes seek medical treatment immediately.

Following skin contact

After contact with skin, wash immediately with plenty of water and soap.

After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Following ingestion

If swallowed seek medical advice immediately and show the doctor packing or label.
Rinse mouth immediately and drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.
After swallowing: Early endoscopy, to evaluate possibly occurred alternation of the mucous membrane in oesophagus and stomach. If necessary suction of remained substance.



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SECTION 5: Firefighting measures

5.1 Extinguishing media

No data available

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for firefighters

No data available

Additional information

Product is incombustible

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Use personal protection equipment.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

For containment

Flush away residues with water.

Take up mechanically and send for disposal.

For cleaning up

Dilute with plenty of water.

6.4 Reference to other sections

No data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

No special measures are necessary.

The product is not:

Combustible

No special fire protection measures are necessary.

Avoid:

Eye contact

Skin contact

Advices on general occupational hygiene

Thorough skin-cleansing after handling the product.

Apply skin care products after work.

When using do not eat, drink, smoke, sniff.

Remove contaminated, saturated clothing immediately.



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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.
Keep container tightly closed.
Handle and open container with care.

Storage class

12 non-combustible liquids that cannot be assigned to any of the above storage classes

Materials to avoid

Do not store together with:
Food and feedingstuffs

Further information on storage conditions

Storage temperature between 0°C to 30°C (=32°F to 86°F), maximum 50°C (=122°F).

7.3 Specific end use(s)

No data available

* SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

CAS No.	EC No.	Substance name	occupational exposure limit value
1310-58-3	215-181-3	Potassium hydroxide	Short-term(mg/m ³) 2 (1) 15 minutes reference period (IE)
1310-58-3	215-181-3	Potassium hydroxide	Short-term(mg/m ³) 2 (UK)

* 8.2 Exposure controls

* Personal protection equipment

Eye/face protection

With demand: protective glasses

* Hand protection

Gloves (alkali-resistant)

The times given are guide values from measurements at 22°C and continuous contact. Increased temperatures due to heated substances, body heat, etc. and a reduction in the effective layer thickness due to stretching can lead to a considerable reduction in the breakthrough time. In case of doubt, contact the manufacturer.

Wear suitable protective gloves. Recommended glove brands: EN ISO 374. Suitable material NBR (Nitrile rubber). Breakthrough time >480 min (thickness of glove material: 0.4mm).

The material of the gloves has to be impermeable and consistent for the substance. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection

Not required with correct application



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*** SECTION 9: Physical and chemical properties**

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

Physical state

viscous

Colour

brownish

Odour

product-specific

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	not determined		
Boiling point or initial boiling point and boiling range	not determined		
flammability	not determined		
Lower and upper explosion limit	not determined		
Flash point	not determined		
Auto-ignition temperature	not determined		
Decomposition temperature	not determined		
pH	in delivery state approx. 13 (20°C)		
Viscosity	kinematic approx. 13 mm ² /s (20°C)		
Solubility(ies)	Water solubility		multimiscible
Partition coefficient n-octanol/water (log value)	not determined		
Vapour pressure	not determined		
Density and/or relative density	1.055 g/cm ³ (20°C) pressure 1013 mbar		
Relative vapour density	not determined		
particle characteristics	not determined		

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

No data available



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10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No hazardous reactions known.
Temp > 50°C

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No hazardous decomposition products known.

Additional information

Product is stable under normal storage conditions

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Animal data

	Effective dose	Method, Evaluation	Source, Remark
Acute oral toxicity	> 15000 mg/kg Species Rat		
Acute dermal toxicity			There are no relevant ingredients in the mixture.
Acute inhalation toxicity			There are no relevant ingredients in the mixture.

Skin corrosion/irritation

not determined

Serious eye damage/irritation

Animal data

Result / Evaluation	Method	Source, Remark
strongly irritant.		

Sensitisation to the respiratory tract

Assessment/classification

The mixture is not classified in sensitization of the skin.

Skin sensitisation

Animal data

Result / Evaluation	Dose / Concentration	Method	Source, Remark
			There are no relevant ingredients in the mixture.

Germ cell mutagenicity



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	Value	Method	Result / Evaluation	Remark
In vitro mutagenicity/genotoxicity			Based on the available data, the classification criteria are not met	

Carcinogenicity

Animal data

	Value	Method	Result / Evaluation	Remark
Carcinogenicity			Based on available data, the classification criteria are not met.	

Reproductive toxicity

Animal data

	Value	Method	Result / Evaluation	Remark
Reproductive toxicity			CAS 10043-35-3 : There is evidence of fertile (teratogenic) effect (ECHA)	

STOT-single exposure

STOT SE 1 and 2

Other information

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

STOT-repeated exposure

Other information

There are no relevant ingredients in the mixture.

Aspiration hazard

Remark

The mixture is not classified as aspiration hazard.

11.2 Information on other hazards

Other information

No experimental indication of genotoxicity in vitro (Ames-test negative).
Determination of in vitro corrosion on human three-dimensional skin models according to OECD 431:2016 is negative.
No experimental indication of genotoxicity in vivo (micronucleus test negative).
There is no risk for a normal operation application
The product has to be handled with usual caution for chemicals



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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

	Effective dose	Method, Evaluation	Source, Remark
Acute (short-term) fish toxicity	LC50: > 5000 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 96 h		
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	EC50 > 1500 mg/L Species Daphnia magna (Big water flea) Test duration 48 h		
Chronic (long-term) toxicity to aquatic invertebrate	not determined		
Acute (short-term) toxicity to algae and cyanobacteria	EC50 > 1000 mg/L Species Selenastrum capricornutum Test duration 72 h		
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	EC50 > 10000 mg/L Species nitrifying baktériumok Test duration 4 h		

12.2 Persistence and degradability

	Value	Method	Source, Remark
Biodegradation			The used surfactants comply the terms of the biodegradability in the regulation (EG) Nr. 648/2004. Readily biodegradable (according to OECD criteria).

Assessment/classification

This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available



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12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

Additional ecotoxicological information

Additional information

The breakdown properties of the product have not been tested. The information on these is given on the basis of details in the literature.

The behaviour of the product in sewage treatment plants has not been tested. The information on this is given on the basis of details in the literature.

The ecotoxic effect of the product has not been tested. The information on this is given on the basis of details in the literature.

Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Appropriate disposal / Package

Completely emptied packages can be recycled.

Recycle sales packaging via DSD (Duales System Deutschland).

Remark

Send to a hazardous waste incinerator facility under observation of official regulations.

Waste removal corresponding to official directives

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	-	-	-
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	-	-	-

14.6 Special precautions for user

No data available

14.7 Maritime transport in bulk according to IMO instruments

No data available

All transport carriers

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.



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SECTION 15: Regulatory information

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

No data available

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

*** SECTION 16: Other information**

- * Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]**
Berechnungsmethode auf Basis von Prüfdaten

- * Additional information**

National and local regulations concerning chemicals shall be observed.

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Relevant H- and EUH-phrases (Number and full text)

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

Indication of changes

- * Data changed compared with the previous version