



ES WIRKT.

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

**Grill-Reiniger**

Print date 12.01.2023  
Revision date 12.01.2023  
Version 2.0 (en)  
replaces version of 13.09.2021 (1.3)

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

**1.1 Product identifier**

Trade name/designation Grill-Reiniger

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

**Use of the substance/mixture**

Cleaning of grill and grate

**Remark**

UFI: PJED-E187-T007-M934

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

**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

**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 Irrit. 2, H319

**Hazard statements for health hazards**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

**2.2 Label elements**

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

**Hazard pictograms**



GHS07



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#### Signal word

Warning

#### Hazard statements

H315 Causes skin irritation.  
H319 Causes serious eye irritation.

#### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P264 Wash hands thoroughly after handling.  
P280 Wear protective gloves/protective clothing and eye/face protection.  
P302 + P352 IF ON SKIN: Wash with plenty of water/....  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332 + P313 If skin irritation occurs: Get medical advice/attention.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P501 Dispose of contents / container to recycling

#### 2.3 Other hazards

No data available

### SECTION 3: Composition / information on ingredients

#### 3.1 Substances

not applicable

#### 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 | < 5 weight-%  | Acute Tox. 4 ;<br>H302<br>Skin Corr. 1A;<br>H314               | Skin Corr.<br>1A;H314: C>=5%<br>Skin Corr.<br>1B;H314:<br>2%<=C<5%<br>Skin Irrit. 2;H315:<br>0.5%<=C<2%<br>Eye Irrit. 2;H319:<br>0.5%<=C<2% |

### 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

Wash immediately with:  
Water  
In case of skin irritation, consult a physician.



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**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

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**SECTION 6: Accidental release measures**

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

**For non-emergency personnel**

Use personal protection equipment.  
Avoid contact with substance

**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



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## 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.

### 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 <sup>3</sup> ) 2 (1)<br>15 minutes reference period<br>(IE) |
| 1310-58-3 | 215-181-3 | Potassium hydroxide | Short-term(mg/m <sup>3</sup> ) 2<br>(UK)                                    |

### 8.2 Exposure controls

#### Personal protection equipment

##### Eye/face protection

With demand: protective glasses



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**Hand protection**

Gloves (alkali-resistant)

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

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

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

**\* Physical state**

liquid

**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   | approx. 13.5 (20°C)                                |        |                |
| Viscosity  | kinematic<br>approx. 14 mm <sup>2</sup> /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                          | 1.05 g/cm <sup>3</sup> (20°C)<br>pressure 1013 hPa |        |                |
| Relative vapour density                                  | not determined                                     |        |                |
| particle characteristics                                 | not determined                                     |        |                |

**\* 9.2 Other information**

**\* Other safety characteristics**

|                  | Value              | Method | Source, Remark |
|------------------|--------------------|--------|----------------|
| refraction index | approx. 1.3 (20°C) |        |                |



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**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

No data available

**10.2 Chemical stability**

No data available

**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       | 6400 mg/kg<br>Species Rat |                    |                |
| Acute dermal toxicity     | not determined            |                    |                |
| Acute inhalation toxicity | not determined            |                    |                |

**Skin corrosion/irritation**

**Animal data**

| Result / Evaluation | Method | Source, Remark |
|---------------------|--------|----------------|
| Irritant.           |        |                |

**Serious eye damage/irritation**

**Animal data**

| Result / Evaluation | Method | Source, Remark |
|---------------------|--------|----------------|
| strongly irritant.  |        |                |

**Sensitisation to the respiratory tract**

not determined

**Skin sensitisation**

**Animal data**

| Result / Evaluation | Dose / Concentration | Method | Source, Remark |
|---------------------|----------------------|--------|----------------|
| not sensitising.    |                      |        |                |



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**Germ cell mutagenicity**

not determined

**Carcinogenicity**

not determined

**Reproductive toxicity**

not determined

**STOT-single exposure**

not determined

**STOT-repeated exposure**

not determined

**Aspiration hazard**

not determined

**11.2 Information on other hazards**

**Other information**

No experimental indication of genotoxicity in vitro ( Ames-test 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

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity**

|   | Effective dose   | Method,Evaluation | Source, Remark |
|---|--|-------------------|----------------|
| Acute (short-term) fish toxicity                                | LC50: > 5000 mg/L<br>Species Oncorhynchus mykiss (Rainbow trout)<br>Test duration 96 h |                   |                |
| Chronic (long-term) fish toxicity                               | not determined   |                   |                |
| Acute (short-term) toxicity to crustacea                        | EC50 > 1500 mg/L<br>Species Daphnia magna (Big water flea)<br>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<br>Species Selenastrum capricornutum<br>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<br>Species nitrifying baktériumok<br>Test duration 4 h               |                   |                |



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12.2 Persistence and degradability

Table with 3 columns: Value, Method, Source, Remark. Row 1: Biodegradation, (blank), 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

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

Table with 4 columns: Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR), and a fourth column for UN numbers. Rows 14.1 and 14.2 show dashes in all columns.





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|   | Land transport (ADR/RID)   | Sea transport (IMDG) | Air transport (ICAO-TI / IATA-DGR) |
|---|--|----------------------|------------------------------------|
| <b>14.3 Transport hazard class(es)</b>                              | -  | -                    | -                                  |
| <b>14.4 Packing group</b>   | -  | -                    | -                                  |
| <b>14.5 Environmental hazards</b>                                   | No   | No                   | No                                 |
| <b>14.6 Special precautions for user</b>                            | No data available  |                      |                                    |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b> | No data available  |                      |                                    |
| <b>All transport carriers</b>                                       | 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.

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**SECTION 16: Other information**

**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.

Keep out of the reach of children.

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