



ES WIRKT.

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

Felgen-Reiniger

Print date 07.02.2024
Revision date 07.02.2024
Version 4.0 (en)
replaces version of 19.07.2023 (3.0)

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

1.1 Product identifier

Trade name/designation Felgen-Reiniger
Unique Formula Identifier UFI: 59ED-W161-V00R-M8AX

Hazard components

Natriumthioglykolatlösung, potassium hydroxide

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

Use of the substance/mixture

Cleaning of steel, aluminium, high gloss, multi-piece, matt rims

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

*** 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 | |



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

Classification procedure

Eye Irrit. 2, H319

Skin Sens. 1A, H317

Hazard statements for health hazards

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

Additional information

With regard to the calculation of the ATEmix, the mixture does not contain any components that lead to a classification as Acute Tox Cat. 4.

*** 2.2 Label elements**

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

Hazard components

Natriumthioglykolatlösung, potassium hydroxide

Hazard pictograms



GHS07

Signal word

Warning

Hazard statements

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

*** Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P280 Wear protective gloves.

P102 Keep out of reach of children.

P305 IF IN EYES: Rinse cautiously with water for several minutes.

P501 Dispose of contents / container to recycling

P264 Wash hands thoroughly after handling.

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 | Index No | Substance name | Concentration | Classification according to Regulation (EC) No 1272/2008 [CLP] | SCL/ M/ ATE |
|----------|-----------|----------|---------------------------|---------------|--|-------------|
| 367-51-1 | 206-969-4 | | Natriumthioglykolatlösung | < 30 weight-% | Acute Tox. 4; H302 Skin Sens. 1; H317 | |



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| CAS No | EC No | Index No | Substance name | Concentration | Classification according to Regulation (EC) No 1272/2008 [CLP] | SCL/ M/ ATE |
|-----------|-----------|--------------|---------------------|------------------|--|--|
| 1310-58-3 | 215-181-3 | 019-002-00-8 | potassium hydroxide | 0.5 < 2 weight-% | Acute Tox. 4 ; H302 Skin Corr. 1A; H314 | Skin Corr. 1A;H314: C>=5% Skin Corr. 1B;H314: 2%<=C<5% Skin Irrit. 2;H315: 0.5%<=C<2% Eye Irrit. 2;H319: 0.5%<=C<2% |

SECTION 4: First aid measures

4.1 Description of first aid measures

Following skin contact

In case of skin irritation, consult a physician.

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.

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

Co-ordinate fire-fighting measures to the fire surroundings.

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



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6.2 Environmental precautions

No data available

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.

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)

Recommendation

Rinse thoroughly, do not allow to dry on rim and do not use in full sun or on heated surfaces. Protect product from frost.



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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 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

viscous

Colour

orange

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 5.5 (20°C) Concentration 100 % | | |



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| | Value | Method | Source, Remark |
|---|--|--------|----------------|
| Viscosity | kinematic approx. 19 mm ² /s (20°C) | | |
| Solubility(ies) | Water solubility | | miscible |
| Partition coefficient n-octanol/water (log value) | not determined | | |
| Vapour pressure | not determined | | |
| Density and/or relative density | 1.11 g/cm ³ (20°C) pressure 1013 hPa | | |
| 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

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 | LD50: 435 mg/kg | | |
| Acute dermal toxicity | LD50: 2174 mg/kg | | |
| Acute inhalation toxicity | LC50: 4348 mg/L | | |



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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. | | | |

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 Species Oncorhynchus mykiss (Rainbow trout) Test duration 96 h | | |
| Chronic (long-term) fish toxicity | not determined | | |



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| | Effective dose | Method, Evaluation | Source, Remark |
|---|--|--------------------|----------------|
| Acute (short-term) toxicity to crustacea | EC50 > 1500 mg/L Species <i>Daphnia magna</i> (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 <i>Selenastrum capricornutum</i> 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). |

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

No data available

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

Waste removal corresponding to official directives



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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.

SECTION 15: Regulatory information

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

National regulations

Water hazard class (WGK)

slightly hazardous to water (WGK 1)
self-classification

15.2 Chemical Safety Assessment

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

*** SECTION 16: Other information**

*** Abbreviations and acronyms**

Acute Tox. 4, H302: Acute Toxicity (oral), Category 4
Skin Corr. 1A: Skin corrosion, Sub-category 1A
Skin Irrit. 2: Skin irritation, Category 2
Eye Irrit. 2: Eye irritation, Category 2
Skin Sens. 1: Skin sensitizer, Category 1
Skin Sens. 1A: Skin sensitizer, Sub-category 1A

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.



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

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.

Indication of changes

* Data changed compared with the previous version