



ES WIRKT.

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

Schnellbrünierung

Print date 07.09.2023
Revision date 13.01.2023
Version 5.0 (en)
replaces version of 12.10.2022 (4.1)

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

1.1 Product identifier

Trade name/designation Schnellbrünierung

Hazard components

Selenium Dioxide, Salpetersäure 65%

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

Use of the substance/mixture

Black finishing of metal surfaces

Remark

UFI: M61D-H1V2-P00Y-C45U

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

Met. Corr. 1, H290
Acute Tox. 4, H302
Acute Tox. 4, H332
Skin Corr. 1A, H314
Aquatic Chronic 2, H411

Hazard statements for physical hazards

H290 May be corrosive to metals.

Hazard statements for health hazards

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H332 Harmful if inhaled.



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Hazard statements for environmental hazards

H411 Toxic to aquatic life with long lasting effects.

Remark

Reduced labelling for package sizes < = 125 ml : H290 and H411 is omitted.

*** 2.2 Label elements**

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

Hazard components

Selenium Dioxide, Salpetersäure 65%

Hazard pictograms



GHS05



GHS07



GHS09

Signal word

Danger

Hazard statements

H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H332 Harmful if inhaled.
H411 Toxic to aquatic life with long lasting effects.

*** Precautionary statements**

P102 Keep out of reach of children.
P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P280 Wear protective gloves//eye protection.
P310 Immediately call a POISON CENTER/doctor.
P353 Rinse skin with water or shower.
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 IF IN EYES: Rinse cautiously with water for several minutes.
P405 Store locked up.
P502 content/container of problem waste disposal.

2.3 Other hazards

No data available

*** 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
7446-08-4	231-194-7	Selenium Dioxide	< 5 weight-%	Acute Tox. 3; H301 Acute Tox. 2; H330 Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	
7697-32-2	231-714-2	Salpetersäure 65%	< 2 weight-%	Ox. Liq. 2; H272 Met. Corr. 1; H290 Acute Tox. 3; H331 Skin Corr. 1A; H314	

REACH No.	Substance name
01-2119487297-23-XXXX	Salpetersäure 65%

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation

Provide fresh air.

Following skin contact

Wash immediately with:

Water

Call a physician immediately.

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

Give activated charcoal.

If swallowed seek medical advice immediately and show the doctor packing or label.

Let water be drunken in little sips (dilution effect).

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.



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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 cleaning up

Dilute with plenty of water.

Suitable material for diluting or neutralizing:

Soda

Lime

6.4 Reference to other sections

No data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Avoid:

Eye contact

Skin contact

Advices on general occupational hygiene

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

Wash contaminated clothing immediately.

Keep away from food and drink.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.

Storage class

8B Non-combustible corrosive substances



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Further information on storage conditions

Recommended storage temperature: 20°C.

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No data available

8.2 Exposure controls

Personal protection equipment

Eye/face protection

safety goggles

Hand protection

In case of spray contact glove material nitril rubber, layer thickness >0.05 mm

The choice of a suitable glove depends not only on the material, but also on other quality characteristics and varies from manufacturer to manufacturer.

Since the product is a preparation of several substances, the resistance of glove materials is not predictable and must therefore be checked before use.

Gloves (acid-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

Suitable respiratory protection apparatus:

Short term: filter apparatus, Filter A/P2

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

liquid

Colour

dark green,clear

Odour

dull, somewhat metallic

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	99.2 °C pressure 1013 mbar		
flammability	not determined		
Lower and upper explosion limit	not determined		
Flash point	not determined		



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	Value	Method	Source, Remark
Auto-ignition temperature	not determined		
Decomposition temperature	not determined		
pH	not determined		
Viscosity	not determined		
Solubility(ies)	Water solubility		multimiscible
Partition coefficient n-octanol/water (log value)	not determined		
Vapour pressure	not determined		
Density and/or relative density	1.1 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

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Heating over 110°C

10.5 Incompatible materials

Reducing agent
Alkali (lye)

10.6 Hazardous decomposition products

< 100°C splitting off smoke of nitric acid

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	3- 5 mg/kg Species Rat		Indication refers to selenium dioxide.
Acute dermal toxicity	not determined		
Acute inhalation toxicity	not determined		



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Skin corrosion/irritation

Animal data

Result / Evaluation	Method	Source, Remark
irritant / corrosive		

Serious eye damage/irritation

Animal data

Result / Evaluation	Method	Source, Remark
irritant / corrosive		

Sensitisation to the respiratory tract

not determined

Skin sensitisation

not determined

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

No data available

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

	Effective dose	Method, Evaluation	Source, Remark
Acute (short-term) fish toxicity	not determined		
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	not determined		
Chronic (long-term) toxicity to aquatic invertebrate	not determined		
Acute (short-term) toxicity to algae and cyanobacteria	not determined		
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		



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12.2 Persistence and degradability

No data available

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

Waste codes/waste designations according to EWC/AVV

Waste code product	Waste name
110198 *	other wastes containing hazardous substances

Appropriate disposal / Package

Recycle sales packaging via DSD (Duales System Deutschland).

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	UN 1760	UN 1760	UN 1760
14.2 UN proper shipping name	CORROSIVE LIQUID, N.O.S. (Salpetersäure)	CORROSIVE LIQUID, N.O.S. (Nitric acid)	Corrosive liquid, n.o.s. (Nitric Acid)
14.3 Transport hazard class(es)	8	8	8
14.4 Packing group	III	III	III
14.5 Environmental hazards	No	No	No

14.6 Special precautions for user

No data available

14.7 Maritime transport in bulk according to IMO instruments

No data available

Land transport (ADR/RID)

UN number or ID number	UN 1760
UN proper shipping name	CORROSIVE LIQUID, N.O.S. (Salpetersäure)
Transport hazard class(es)	8
Hazard label(s)	8
Classification code	C9
Packing group	III



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Environmental hazards No
Limited quantity (LQ) 5 L
Special provisions 274
Tunnel restriction code E

Sea transport (IMDG)

UN number or ID number UN 1760
UN proper shipping name CORROSIVE LIQUID, N.O.S. (Nitric acid)
Transport hazard class(es) 8
Packing group III
Environmental hazards No
Limited quantity (LQ) 5 L
Marine pollutant No
EmS F-A, S-B

Air transport (ICAO-TI / IATA-DGR)

UN number or ID number UN 1760
UN proper shipping name Corrosive liquid, n.o.s. (Nitric Acid)
Transport hazard class(es) 8
Packing group III
Environmental hazards No

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

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.

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

H272 May intensify fire; oxidiser.
H290 May be corrosive to metals.
H301 Toxic if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H330 Fatal if inhaled.
H331 Toxic if inhaled.



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- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

Indication of changes

* Data changed compared with the previous version