



ES WIRKT.

Safety Data Sheet according to Regulation (EC)
No. 1907/2006 (REACH)
revision 11.12.2020 (GB) Version 3.7
Schnellbrünierung

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

1.1. Product identifier

Name of product Schnellbrünierung

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

Identified uses

! Remark

UFI: M61D-H1V2-P00Y-C45U

Recommended intended purpose(s)

Black finishing of metal surfaces

1.3. Details of the supplier of the safety data sheet

Manufacturer

F.W.Klever
Hauptstraße 20, D-84168 Aham
Phone +49 (0) 8744 96 99 10, Fax + 49 (0) 8744 96 99 96
E-Mail info@ballistol.de
Internet www.ballistol.de

Advice

Qualitätssicherung
Phone +49 (0) 8744 96 99 30
E-mail (competent person):
info@ballistol.de

1.4. Emergency telephone number

Emergency advice

Dr.Zettler (Werktags von 8.00 Uhr bis 16.00 Uhr) oder
Giftnotrufzentrale 022819240
Phone +49 (0) 8744 96 99 30

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Met. Corr. 1	H290	
Acute Tox. 4		
Skin Irrit. 2		
Eye Irrit. 2	H319	
Aquatic Chronic 2	H411	

Hazard statements for physical hazards

H290 May be corrosive to metals.

Hazard statements for health hazards

H302 + H332 Harmful if swallowed or if inhaled.
H314 Causes severe skin burns and eye damage.
H319 Causes serious eye irritation.

Hazard statements for environmental hazards

H411 Toxic to aquatic life with long lasting effects.



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2.2. Label elements

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



GHS05



GHS07



GHS09

Signal word

Danger

Hazard statements for physical hazards

H290 May be corrosive to metals.

Hazard statements for health hazards

H302 + H332 Harmful if swallowed or if inhaled.

H314 Causes severe skin burns and eye damage.

H319 Causes serious eye irritation.

Hazard statements for environmental hazards

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

General

P102 Keep out of reach of children.

! Prevention

P280 Wear eye protection/face protection.

Response

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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/doctor.

Disposal

P502 content/container of problem waste disposal.

2.3. Other hazards

No information available.

SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
7697-37-2	231-714-2	nitric acid ... %	< 2	Ox. Liq. 2, H272 / Skin Corr. 1A, H314
7446-08-4	231-194-7	Selenium Dioxide	< 5	Acute Tox. 2 / Acute Tox. 3 / Aquatic Chronic 1 / STOT RE 2 / Skin Corr. 1B / Eye Dam. 1 / Aquatic Acute 1



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SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact

In case of contact with skin wash off immediately with plenty of water.
Seek medical treatment immediately.

In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion

Give activated charcoal.
If swallowed seek medical advice immediately and show the doctor packing or label.
Give plenty of water to drink in small sips.

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

No information available.

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

Treatment (Advice to doctor)

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

No information available.

5.2. Special hazards arising from the substance or mixture

No information available.

5.3. Advice for firefighters

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 protective clothing.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Dilute with water.

Neutralize with sodium carbonate or slaked lime.

6.4. Reference to other sections

No information available.



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SECTION 7: Handling and storage

7.1. Precautions for safe handling

General protective measures

Avoid contact with eyes and skin

Hygiene measures

At work do not eat, drink, smoke or take drugs.

Wash soiled clothing immediately.

Keep away from food and drink.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in original container.

Further information on storage conditions

Recommended storage temperature: 20°C.

Storage group 12

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2006/15/EC or 2009/161/EU)

CAS No	Name	Code	[mg/m ³]	[ppm]	Remark
7697-37-2	Nitric Acid	Short-term	2,6	1	

8.2. Exposure controls

Respiratory protection

Short term: filter apparatus, Filter A/P2

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.

Eye protection

safety goggles

! SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

liquid

Colour

dark green,clear

Odour

dull, somewhat metallic



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Odour threshold
not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not determined				
Boiling temperature / boiling range	not determined				
Melting point / Freezing point	not determined				
Flash point	not determined				
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	not determined				
Self ignition temperature	not determined				
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	not determined				
Relative density	1,1 g/cm ³	20 °C		1013 mbar	
Vapour density	not determined				
Solubility in water					multimiscible
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity	not determined				

Oxidising properties
No information available.

Explosive properties
No information available.



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9.2. Other information
No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No information available.

10.2. Chemical stability
No information available.

10.3. Possibility of hazardous reactions
No information available.

10.4. Conditions to avoid
Heating over 110°C

10.5. Incompatible materials
Substances to avoid
Reactions with reducing agents.
Reactions with alkalis.

10.6. Hazardous decomposition products
< 100°C splitting off smoke of nitric acid

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	7 - 13 mg/kg	rat (male / female)		Refers to the selenium dioxide.
Skin irritation	irritant / corrosive			
Eye irritation	irritant / corrosive			

SECTION 12: Ecological information

12.1. Toxicity
No information available.

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



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No information available.

12.6. Other adverse effects
No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.	Name of waste
06 01 99	wastes not otherwise specified

Recommendations for packaging

Barrel: return by DSD (Dualistic System Germany)

Recommended cleansing agent

Water

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	1760	1760	1760
14.2. UN proper shipping name	Corrosive liquid, n.o.s. (Nitric Acid)	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 information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

Land and inland navigation transport ADR/RID

Hazard label(s) 8
tunnel restriction code 3(E)
Classification code C9

SECTION 15: Regulatory information

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

National regulations

Water hazard class 3



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15.2. Chemical Safety Assessment

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

SECTION 16: Other information

Recommended uses and restrictions

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.

Further information

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 3.6

- H272 May intensify fire; oxidiser.
- H314 Causes severe skin burns and eye damage.