



ES WIRKT.

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

Bremsenreiniger

Print date 18.03.2026
Revision date 25.02.2026
Version 7.0 (en)
replaces version of 21.10.2025 (6.3)

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

*** 1.1 Product identifier**

Trade name/designation Bremsenreiniger
Unique Formula Identifier UFI: 4MS1-A1QN-R00D-HCP6

Hazard components

Naphtha (Erdöl), mit Wasserstoff behandelt, leicht

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

Use of the substance/mixture

Automotive care product for cleaning.

1.3 Details of the supplier of the safety data sheet

Supplier

Ballistol GmbH
Hauptstraße 20
DE-84168 Aham
Telephone 0874496990
Telefax 0874496996
E-mail info@ballistol.de
Website www.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

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
--	--------------------------

Aerosol 1, H222
Aerosol 1, H229
Skin Irrit. 2, H315
STOT SE 3, H336
Aquatic Chronic 2, H411

Hazard statements for physical hazards

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.



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Hazard statements for health hazards

H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.

Hazard statements for environmental hazards

H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

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

Hazard components

Naphtha (Erdöl), mit Wasserstoff behandelt, leicht

Hazard pictograms



GHS02



GHS07



GHS09

Signal word

Danger

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.
P101 If medical advice is needed, have product container or label at hand.
P251 Do not pierce or burn, even after use.
P271 Use only outdoors or in a well-ventilated area.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents / container to recycling
P405 Store locked up.
P211 Do not spray on an open flame or other ignition source.

Supplemental hazard information

EUH066 Repeated exposure may cause skin dryness or cracking.

Other labelling

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.
Keep out of the reach of children.

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	Index No	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
64742-49-0	921-024-6	449-328-00-1	Naphtha (Erdöl), mit Wasserstoff behandelt, leicht	80 weight-%	Flam. Liq. 2; H225 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	
106-97-8	203-448-7	601-004-00-0	butane	< 15 weight-%	Flam. Gas 1; H220 Press. Gas	
74-98-6	200-827-9	601-003-00-5	propane	< 10 weight-%	Flam. Gas 1; H220 Press. Gas	
110-54-3		601-037-00-0	n-Hexan	< 3 weight-%	Flam. Liq. 2; H225 Skin Irrit. 2; H315 Repr. 2; H361 STOT SE 3; H336 STOT RE 2; H373 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	
106-99-0	203-450-8	601-013-00-X	buta-1,3-diene	< 0.1 weight-%	Flam. Gas 1; H220 Press. Gas Carc. 1A; H350 Muta. 1B; H340	

REACH No.	Substance name
01-2119475514-35	Naphtha (Erdöl), mit Wasserstoff behandelt, leicht
01-2119474691-32	butane
01-2119486944-21	propane
01-2119480412-44-XXXX	n-Hexan

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated, saturated clothing immediately.
In the event of persistent symptoms receive medical treatment.

Following inhalation

Remove casualty to fresh air and keep warm and at rest.
Provide fresh air.

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

Do NOT induce vomiting.
Rinse mouth thoroughly with water.
Sofort Arzt hinzuziehen.



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4.2 Most important symptoms and effects, both acute and delayed

Symptoms

Dizziness

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam
Dry extinguishing powder
Water spray jet

Unsuitable extinguishing media

Strong water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Fire gas of organic material has to be classed invariably as respiratory poison.
In the event of fire the following can be released:
Carbon monoxide

5.3 Advice for firefighters

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus.
Wear full chemical protective clothing.

Additional information

Use water spray jet to protect personnel and to cool endangered containers.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Provide adequate ventilation.
Use personal protection equipment.
Remove all sources of ignition.
Be aware that gases can spread at ground level (heavier than air) and pay attention to the wind direction.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.
Prevent spread over a wide area (e.g. by containment or oil barriers).
Suppress gases/vapours/mists with water spray jet.



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6.3 Methods and material for containment and cleaning up

For containment

Pump off larger quantity.
Do not distribute with water.
Send in suitable containers for recovery or disposal.
Take up soaked earth.

Other information

Inform authorities if exposure to the public or the environment occurs or is likely to occur.
Vapors can form an explosive mixture with air.

6.4 Reference to other sections

Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Use only in well-ventilated areas.
Keep away from sources of ignition - No smoking.
Reignition possible over considerable distance.
Vapours can form explosive mixtures with air.
Risk of explosion if the liquid enters the sewage system.
Usual measures for fire prevention.
Avoid:
Eye contact
Skin contact
Do not inhale aerosols
Do not put any product-impregnated cleaning rags into your trouser pockets.

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff.
Before starting work, apply solvent-resistant skincare preparations.
Keep away from food and drink.
Keep away from tobacco.
Wash hands and face before breaks and after work and take a shower if necessary.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.

Materials to avoid

Do not store together with:
Combustible substance

Further information on storage conditions

Keep container tightly closed and in a well-ventilated place.
Protect containers from falling down.
Schützen Sie Aerosolverpackungen vor dem Umkippen.
Storage temperature between 0°C to 30°C (=32°F to 86°F), maximum 50°C (=122°F).
Storage time: 3 years.



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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
110-54-3	203-777-6	n-Hexane	20 [ml/m ³ (ppm)] 72 [mg/m ³] 2006/15/EC
106-99-0	203-450-8	1,3-Butadien	1 [ml/m ³ (ppm)] 2,2 [mg/m ³] (IE)
110-54-3	203-777-6	n-Hexane	20 [ml/m ³ (ppm)] 72 [mg/m ³] (IE)
106-99-0	203-450-8	1,3-Butadien	1 [ml/m ³ (ppm)] 2,2 [mg/m ³] (UK)
106-97-8	203-448-7	n-Butane	600 [ml/m ³ (ppm)] 1450 [mg/m ³] Short-term(ml/m ³) 750 Short-term(mg/m ³) 1810 (UK)
110-54-3	203-777-6	n-Hexane	20 [ml/m ³ (ppm)] 72 [mg/m ³] (UK)
106-97-8	203-448-7	n-Butane	Short-term(ml/m ³) 1000 (1) (1) 15 minutes average value (IE)

*** 8.2 Exposure controls**

*** Personal protection equipment**

Eye/face protection

safety goggles

*** Hand protection**

Nitrile gloves ≥ 0.4 mm, breakthrough time ≥ 60 minutes in accordance with EN ISO 374

The figures are based on data from the literature and manufacturer's information. The actual breakthrough time may vary depending on the manufacturer.

Respiratory protection

Respiratory protection necessary at:
high concentrations

Suitable respiratory protection apparatus:

Short term: filter apparatus, filter A

Environmental exposure controls

Technical measures to prevent exposure

Separator



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

Aerosol

Colour

colourless
clear

Odour

like:
Gasoline

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	Upper explosion limit 8.5 Vol-%		
Lower and upper explosion limit	Lower explosion limit 0.8 Vol-%		
Flash point	< 0 °C		information for solvent
Auto-ignition temperature	367 °C		
Decomposition temperature	not determined		
pH	not determined		
Viscosity	not determined		
Solubility(ies)	Gasoline 100 %		
Partition coefficient n-octanol/water (log value)	not determined		
Vapour pressure	6.5 bar (50°C)	Innendruck der Aerosoldose	
Density and/or relative density	0.7- 0.72 g/cm ³ (20°C)		
Relative vapour density	not determined		
particle characteristics	not determined		

9.2 Other information

Other safety characteristics

	Value	Method	Source, Remark
Solvent content	< 90 %		

Other information

Physical dates refer to main elements.



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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

Risk of bursting.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

Carbon monoxide

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	> 2000 mg/kg Species Rat		
Acute dermal toxicity	> 2000 mg/kg Species Rat		
Acute inhalation toxicity	not determined		

Skin corrosion/irritation

Animal data

Result / Evaluation	Method	Source, Remark
slightly irritant		

Serious eye damage/irritation

Animal data

Result / Evaluation	Method	Source, Remark
slightly 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

Acute oral toxicity not determinable.
Has a degreasing effect on the skin.
Inhalation can cause damage to the respiratory tract or lungs.
Frequent persistent contact with the skin may cause skin irritation.
The declarations of toxicology refer to main component.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

	Effective dose	Method,Evaluation	Source, Remark
Acute (short-term) fish toxicity	LC50: 10- 100 mg/L		
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	EC50 1- 10 mg/L		
Chronic (long-term) toxicity to aquatic invertebrate	not determined		
Acute (short-term) toxicity to algae and cyanobacteria	EC50 1- 10 mg/L		
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	EC50 1- 10 mg/L		

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available



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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.

SECTION 14: Transport information

Table with 4 columns: Property, Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR). Rows include UN number, shipping name, hazard class, packing group, and 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

Regulations concerning free quantities are to be observed.

Land transport (ADR/RID)

Table with 2 columns: Property, Value. Lists transport details such as UN number, shipping name, hazard class, and environmental hazards.



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Sea transport (IMDG)

UN number or ID number UN 1950
UN proper shipping name AEROSOLS
Transport hazard class(es) 2.1
Packing group -
Environmental hazards ENVIRONMENTALLY HAZARDOUS
Limited quantity (LQ) 1 L
Marine pollutant No
EmS F-D, S-U

Air transport (ICAO-TI / IATA-DGR)

UN number or ID number UN 1950
UN proper shipping name Aerosols, flammable
Transport hazard class(es) 2.1
Packing group -
Environmental hazards ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

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

Other regulations (EU)

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive] VOC
VOC content, ready-to-use condition approx. 100 %

15.2 Chemical Safety Assessment

No data available

*** SECTION 16: Other information**

*** Abbreviations and acronyms**

Aerosol 1: Aerosols, Category 1
Flam. Liq. 2: Flammable Liquids, Category 2
Skin Irrit. 2: Skin irritation, Category 2
Muta. 1B: Germ cell mutagen, Sub-category 1B
Carc. 1A: Carcinogen, Category 1A
Repr. 2: Reproductive toxicant, Category 2
STOT SE 3, H336: Specific target organ toxicity (single exposure), Category 3 (narcotic effects)
STOT RE 2: Specific target organ toxicity (repeated exposure), Category 2
Asp. Tox. 1: Aspiration toxicity, Category 1
Aquatic Chronic 2: Long-term (chronic) aquatic hazard, Category 2

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.



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

- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H340 May cause genetic defects.
- H350 May cause cancer.
- H361 Suspected of damaging fertility or the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.

Indication of changes

* Data changed compared with the previous version