



ES WIRKT.

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

Druckgas-Reiniger Staubfrei brennbar

Print date 14.12.2022
Revision date 01.12.2022
Version 2.0 (en)
replaces version of 26.05.2021 (1.5)

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

1.1 Product identifier

Trade name/designation Druckgas-Reiniger Staubfrei brennbar

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

Use of the substance/mixture

Compressed Gas Cleaner

Remark

UFI: 8WX8-Q1QE-Q00N-36C7

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
Aerosol 1, H222 H229	

Hazard statements for physical hazards

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

2.2 Label elements

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

Hazard pictograms



GHS02



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Signal word

Danger

Hazard statements

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

Precautionary statements

P102 Keep out of reach of children.
P251 Do not pierce or burn, even after use.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P412 Do not expose to temperatures exceeding 50 °C/122 °F.
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
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
74-98-6		aliphatische Kohlenwasserstoffe als Flüssiggas	> 95 weight-%	Flam. Gas 1; H220	

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated, saturated clothing immediately.
Remove affected person from the danger area and lay down.

Following inhalation

Provide fresh air.

Following skin contact

In case of contact with skin wash off with warm water.

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.



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Following ingestion

Do NOT induce vomiting.
If swallowed, immediately drink:
Water
Rinse mouth thoroughly with 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

No data available

*** SECTION 5: Firefighting measures**

5.1 Extinguishing media

Suitable extinguishing media

Foam
Carbon dioxide (CO₂)
Water spray jet

Unsuitable extinguishing media

*** 5.2 Special hazards arising from the substance or mixture**

*** Hazardous combustion products**

Carbon monoxid (CO)

5.3 Advice for firefighters

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray jet to protect personnel and to cool endangered containers.
Heating causes rise in pressure with risk of bursting

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Provide adequate ventilation.
Remove all sources of ignition.
Do not breath vapour or spray.

6.2 Environmental precautions

No data available

6.3 Methods and material for containment and cleaning up

For containment

Suck off by room ventilation.



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6.4 Reference to other sections

No data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Take precautionary measures against static discharges.

Use only in well-ventilated areas.

Do not spray on naked flames or any incandescent material.

Keep away from sources of ignition - No smoking.

Container under pressure

Protect aerosols from temperatures exceeding 50°C/ 122°F

Do not open with force or incinerate, even when empty

Avoid:

Eye contact

Skin contact

Do not inhale aerosols

Advices on general occupational hygiene

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

Storing of food in workroom forbidden.

Wash hands before breaks and after work.

Use protective skin cream before handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Storage class

2B Aerosol dispensers and lighters

Materials to avoid

Do not store together with:

Food and feedingstuffs

Further information on storage conditions

Protect from extreme heat and cold.

Keep cool.

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

tightly fitting goggles

Hand protection

Gloves with long cuffs

Chromate-free leather



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Body protection:

Protective clothing

Respiratory protection

Respiratory protection necessary at:
aerosol or mist formation

Respiratory protection must be worn whenever the WEL levels have been exceeded

The following applies to propane in general: If the concentration is exceeded, closed-circuit breathing apparatuses must be used

Use filter apparatus type AX, identification colour brown according to EN 371

Environmental exposure controls

Technical measures to prevent exposure

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

Aerosol

Colour

colourless
clear

Odour

odourless

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	approx. -48 °C		(Propan)
flammability	not determined		
Lower and upper explosion limit	Upper explosion limit approx. 10.9 Vol-%		(Propan)
Lower and upper explosion limit	Lower explosion limit approx. 1.5 Vol-%		(Propan)
Flash point	approx. -104 °C		(Propan)
Auto-ignition temperature	not determined		
Decomposition temperature	not determined		
pH	not determined		
Viscosity	not determined		
Solubility(ies)	Water solubility		practically insoluble
Partition coefficient n-octanol/water (log value)	not determined		
Vapour pressure	not determined		
Density and/or relative density	not determined		



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Table with 4 columns: Property, Value, Method, Source, Remark. Rows include Relative vapour density and particle characteristics, both with 'not determined' values.

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

Formation of explosive gas/air mixtures. Container under pressure. Protect from direct exposure to sunlight and temperatures exceeding 50°C/122°F.

10.5 Incompatible materials

Oxidising agent, strong

10.6 Hazardous decomposition products

Carbon monoxide
Carbon dioxide

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

Table with 4 columns: Property, Effective dose, Method, Evaluation, Source, Remark. Rows include Acute oral, dermal, and inhalation toxicity.

Skin corrosion/irritation

Animal data

Table with 3 columns: Result / Evaluation, Method, Source, Remark. Row: non-irritant.

* Serious eye damage/irritation

Animal data

Table with 3 columns: Result / Evaluation, Method, Source, Remark. Row: non-irritant.



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* **Sensitisation to the respiratory tract**

not determined

* **Skin sensitisation**

Animal data

Result / Evaluation	Dose / Concentration	Method	Source, Remark
not sensitising.			May cause frostbite

Germ cell mutagenicity

Value	Method	Result / Evaluation	Remark
In vitro mutagenicity/genotoxicity			

Carcinogenicity

Animal data

Value	Method	Result / Evaluation	Remark
Carcinogenicity			

Reproductive toxicity

Animal data

Value	Method	Result / Evaluation	Remark
Reproductive toxicity	Vzhľadom na dostupné údaje, klasifikačné kritériá nie sú splnené		

STOT-single exposure

Overall Assessment on CMR properties

STOT SE 1 and 2

Animal data

Effective dose	Method	Specific effects:	Organs affected:	Source, Remark
Oral specific target organ toxicity (single exposure)				
Dermal specific target organ toxicity (single exposure)				
Inhalative specific target organ toxicity (single exposure)				

Other information

Vzhľadom na dostupné údaje, klasifikačné kritériá nie sú splnené

STOT-repeated exposure



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STOT SE 3

Narcotic effects

Animal data

	Effective dose	Method	Specific effects:	Organs affected:	Source, Remark
Oral specific target organ toxicity (repeated exposure)					
Oral specific target organ toxicity (repeated exposure)					
Dermal specific target organ toxicity (repeated exposure)					
Dermal specific target organ toxicity (repeated exposure)					
Inhalative specific target organ toxicity (repeated exposure)					
Inhalative specific target organ toxicity (repeated exposure)					

Other information

Vzhľadom na dostupné údaje, klasifikačné kritériá nie sú splnené

Aspiration hazard

not determined

11.2 Information on other hazards

No data available

* Other information

May cause frostbite.

The product has not been tested. The information is derived from the properties of the individual components.

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		



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Table with 4 columns: Effective dose, Method, Evaluation, Source, Remark. Rows include toxicity data for algae, cyanobacteria, and microorganisms.

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

Table with 2 columns: Waste code product, Waste name. Row: 160505, gases in pressure containers other than those mentioned in 16 05 04

Appropriate disposal / Product

Product rests: send for disposal, e.g. special waste incineration. Dispose of waste according to "Kreislaufwirtschaftsgesetz (KrWG)".

Appropriate disposal / Package

Completely emptied packages can be recycled.

SECTION 14: Transport information

Table with 4 columns: 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.



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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 1950
UN proper shipping name AEROSOLS
Transport hazard class(es) 2.1
Hazard label(s) 2.1
Classification code 5F
Packing group -
Environmental hazards No
Limited quantity (LQ) 1 L
Special provisions 190, 327, 344, 625
Tunnel restriction code D

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 No
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 No

SECTION 15: Regulatory information

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

Other regulations (EU)

To follow:

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work
Aerosol directive (75/324/EEC)



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Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive] VOC

VOC content, ready-to-use condition approx. 99.5 %

15.2 Chemical Safety Assessment

National regulations

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 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)

H220 Extremely flammable gas.

Indication of changes

* Data changed compared with the previous version