



**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
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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

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**\* SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

Foam  
Carbon dioxide (CO<sub>2</sub>)  
Water spray jet

**Unsuitable extinguishing media**

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**\* 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

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**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

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## 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

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## 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**

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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**

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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	Value	Method	Source, Remark
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

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

	Effective dose	Method, Evaluation	Source, Remark
Acute oral toxicity			
Acute dermal toxicity			
Acute inhalation toxicity			

### Skin corrosion/irritation

#### Animal data

Result / Evaluation	Method	Source, Remark
non-irritant.		

#### \* Serious eye damage/irritation

##### Animal data

Result / Evaluation	Method	Source, Remark
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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	Effective dose	Method, Evaluation	Source, Remark
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		

**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
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**

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1 UN number or ID number</b>	UN 1950	UN 1950	UN 1950
<b>14.2 UN proper shipping name</b>	AEROSOLS	AEROSOLS	Aerosols, flammable
<b>14.3 Transport hazard class(es)</b>	2.1	2.1	2.1
<b>14.4 Packing group</b>	-	-	-
<b>14.5 Environmental hazards</b>	No	No	No



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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

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**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.

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**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