



**ES WIRKT.**

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

**PTFE Trockenschmierung-Spray Fahrrad**

Print date 16.01.2023  
Revision date 16.01.2023  
Version 6.0 (en)  
replaces version of 25.11.2020 (5.6)

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

**\* 1.1 Product identifier**

**Trade name/designation** PTFE Trockenschmierung-Spray Fahrrad

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

**Use of the substance/mixture**

Lubricant (dry lubrication)

**Remark**

UFI: FRHC-E1MM-J00V-9P97

**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	
Eye Irrit. 2, H319	

**Hazard statements for physical hazards**

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

**Hazard statements for health hazards**

H319 Causes serious eye irritation.

**\* 2.2 Label elements**

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



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**Hazard pictograms**



GHS02



GHS07

**Signal word**

Danger

**Hazard statements**

H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.  
H319 Causes serious eye irritation.

**Precautionary statements**

P102 Keep out of reach of children.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
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.  
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	200-827-9	propane	weight-%	Flam. Gas 1; H220 Press. Gas	
106-97-8	203-448-7	butane	weight-%	Flam. Gas 1; H220 Press. Gas	

**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.



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**Following skin contact**

After contact with skin, wash immediately with plenty of water and soap.  
In case of skin irritation, consult a physician.

**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.  
Call a physician immediately.

**Following ingestion**

Rinse mouth immediately and drink plenty of water.

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

**Symptoms**

Unconsciousness  
Inebriation  
Vomiting  
Nausea  
Dizziness  
Dizziness

**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**

**Suitable extinguishing media**

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

**Unsuitable extinguishing media**

Full water jet

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

**Hazardous combustion products**

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.  
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.  
Use personal protection equipment.  
Remove all sources of ignition.

### **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 containment**

Suitable material for taking up:  
Sawdust  
Take up mechanically and send for disposal.

### **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**

No special measures are necessary.  
Keep away from sources of ignition - No smoking.  
Do not inhale aerosols  
Avoid:  
Eye contact

**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.

### **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 of heat.

### **7.3 Specific end use(s)**

No data available



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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

CAS No.	EC No.	Substance name	occupational exposure limit value
106-97-8	203-448-7	n-Butane	600 [ml/m <sup>3</sup> (ppm)] 1450 [mg/m <sup>3</sup> ] Short-term(ml/m <sup>3</sup> ) 750 Short-term(mg/m <sup>3</sup> ) 1810 (UK)
106-97-8	203-448-7	n-Butane	Short-term(ml/m <sup>3</sup> ) 1000 (1) (1) 15 minutes average value (IE)

### 8.2 Exposure controls

#### Personal protection equipment

##### Eye/face protection

tightly fitting goggles

##### Hand protection

Gloves (solvent-resistant)

##### Body protection:

Protective clothing

##### Respiratory protection

Respiratory protection necessary at:  
insufficient ventilation

Suitable respiratory protection apparatus:

Short term: filter apparatus, Filter A/P2

#### 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

like:  
Alcohol

#### Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		



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	Value	Method	Source, Remark
Melting point/freezing point	not determined		
Boiling point or initial boiling point and boiling range	78 °C pressure 1013 mbar		
flammability	not determined		
Lower and upper explosion limit	Upper explosion limit 10.9 Vol-%		(Propan)
Lower and upper explosion limit	Lower explosion limit 1.5 Vol-%		(Propan)
Flash point	approx. -104 °C		(Propan)
Auto-ignition temperature	not determined		
Decomposition temperature	not determined		
pH	in delivery state approx. 7.5 (20°C)		
Viscosity	not determined		
Solubility(ies)	Water solubility		multimiscible
Partition coefficient n-octanol/water (log value)	not determined		
Vapour pressure	approx. 60 hPa (20°C)		
Density and/or relative density	approx. 0.82 g/cm <sup>3</sup> (20°C) pressure 1013 mbar		information concerns to liquid phase
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**

Container under pressure. Protect from direct exposure to sunlight and temperatures exceeding 50°C/122°F.  
Evolution of highly flammable gases/vapours.

**10.5 Incompatible materials**

Oxidising agent, strong

**10.6 Hazardous decomposition products**

Carbon monoxide  
Carbon dioxide



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**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	> 5000 mg/kg Species Rat		Data apply to the main component.
Acute dermal toxicity	> 2000 mg/kg Species Rat		Data apply to the main component.
Acute inhalation toxicity	> 20000 mg/L Species Rat Exposure time 4 h		Details refer to the main component

**Skin corrosion/irritation**

**Animal data**

Result / Evaluation	Method	Source, Remark
non-irritant.		

**Serious eye damage/irritation**

**Animal data**

Result / Evaluation	Method	Source, Remark
Irritant.		

**Sensitisation to the respiratory tract**

not determined

**Skin sensitisation**

**Animal data**

Result / Evaluation	Dose / Concentration	Method	Source, Remark
not sensitising.			experiences

**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



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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

	Effective dose	Method, Evaluation	Source, Remark
Acute (short-term) fish toxicity	LC50: > 8100 mg/L Species <i>Leuciscus idus</i> (golden orfe) Test duration 48 h		
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	EC50 > 9000 mg/L Species <i>Daphnia magna</i> (Big water flea) Test duration 48 h	OECD	
Chronic (long-term) toxicity to aquatic invertebrate	not determined		
Acute (short-term) toxicity to algae and cyanobacteria	EC10 > 6500 mg/L Species <i>Pseudomonas putida</i> Test duration 16 h		
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

	Value	Method	Source, Remark
Biodegradation			Readily biodegradable (according to OECD criteria).

### 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

#### Additional ecotoxicological information

##### Additional information

Do not allow uncontrolled discharge of product into the environment.  
The breakdown properties of the product have not been tested. The information on these is given on the basis of details in the literature.





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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Waste codes/waste designations according to EWC/AVV

Waste code product Waste name

140603 \* other solvents and solvent mixtures

#### Appropriate disposal / Package

Completely emptied packages can be recycled.  
Recycle sales packaging via DSD (Duales System Deutschland).

#### Remark

Send to a hazardous waste incinerator facility under observation of official regulations.

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## 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

### 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 -



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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**

No data available

**15.2 Chemical Safety Assessment**

For this substance a chemical safety assessment is not required.

**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