



ES WIRKT.

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

Silikon-Öl-Spray Fahrrad

Print date 16.01.2023
Revision date 16.01.2023
Version 5.0 (en)
replaces version of 16.01.2023 (4.3)

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

*** 1.1 Product identifier**

Trade name/designation Silikon-Öl-Spray Fahrrad

Hazard components

2-methylpentane

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

Use of the substance/mixture

Lubricant

Remark

UFI: 8KJP-CEY1-100J-NR4N

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

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.

Hazard statements for health hazards

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.



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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

2-methylpentane

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

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
P302 + P352 IF ON SKIN: Wash with plenty of water/...
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents / container to recycling

Other labelling

Food Pure silicone oil in solvent

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
107-83-5	203-523-4	2-methylpentane	> 25 weight-%	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	



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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	< 15 weight-%	Flam. Gas 1; H220 Press. Gas	
106-97-8	203-448-7	butane	< 15 weight-%	Flam. Gas 1; H220 Press. Gas	

Remark

Aerosol: Propellant propane/butane gas

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated, saturated clothing immediately.

Following inhalation

Provide fresh air.
In the event of symptoms refer for medical treatment.

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.
If troubles appear bring to a medical treatment
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

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam
Carbon dioxide (CO₂)
Water spray jet

Unsuitable extinguishing media

Full water jet



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5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide
Vapours may form explosive mixtures with air

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.
Use personal protection equipment.
Remove all sources of ignition.
Do not breath vapour or spray.

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

Take up residues with absorbent material (e.g. sand, sawdust, general-purpose binder).

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.

Do not spray on naked flames or any incandescent material.

Keep away from sources of ignition - No smoking.

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.



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7.2 Conditions for safe storage, including any incompatibilities

Storage class

2B Aerosol dispensers and lighters

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**

*** 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 ³ (ppm)] 1450 [mg/m ³] Short-term(ml/m ³) 750 Short-term(mg/m ³) 1810 (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

With demand: protective glasses

Hand protection

Gloves (solvent-resistant)

Body protection:

Protective clothing

Respiratory protection

Respiratory protection necessary at:
aerosol or mist formation

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

like:
Solvents/Thinner

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	melting temperature < -154 °C	DIN ISO 3016	Details refer to the active agent (without consideration of the propellant)
Boiling point or initial boiling point and boiling range	approx. 60 °C		Details refer to the active agent (without consideration of the propellant)
flammability	not determined		
Lower and upper explosion limit	Upper explosion limit approx. 7.4 Vol-%		information concern solvent
Lower and upper explosion limit	Lower explosion limit approx. 1 Vol-%		information concern solvent
Flash point	not determined		
Auto-ignition temperature	not determined		
Decomposition temperature	not determined		
pH	not determined		
Viscosity	not determined		
Solubility(ies)	Water solubility		Immiscible
Partition coefficient n-octanol/water (log value)	not determined		
Vapour pressure	not determined		
Density and/or relative density	approx. 0.74 g/cm ³ (20°C)		information concerns to liquid phase
Relative vapour density	not determined		
particle characteristics	not determined		

9.2 Other information

No data available



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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

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

No hazardous decomposition products known.

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	5000 mg/kg Species Rat	OECD 401	Data apply to the main component.
Acute dermal toxicity	3000 mg/kg Species Rat	OECD 402	
Acute inhalation toxicity	172 mg/L Species Rat Exposure time 4 h	OECD	Details refer to the main component

Skin corrosion/irritation

Animal data

Result / Evaluation	Method	Source, Remark
Irritant. Species Rabbit		

Serious eye damage/irritation

Animal data

Result / Evaluation	Method	Source, Remark
strongly irritant. Species Rabbit		



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*** Sensitisation to the respiratory tract**

not determined

Skin sensitisation

Animal data

Result / Evaluation	Dose / Concentration	Method	Source, Remark
not sensitising.		Species Guinea pig	

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		Vzhledem k dostupné údaje, kritéria klasifikace nejsou splněna	

STOT-single exposure

STOT SE 1 and 2

Animal data

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

STOT-repeated exposure

Animal data

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



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Table with 6 columns: Effective dose, Method, Specific effects, Organs affected, Source, Remark. Rows include Oral specific target organ toxicity, Dermal specific target organ toxicity, and Inhalative specific target organ toxicity.

Aspiration hazard

not determined

11.2 Information on other hazards

Other information

Has a degreasing effect on the skin. There is no risk for a normal operation application. Frequent persistent contact with the skin may cause skin irritation. 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

Table with 4 columns: Effective dose, Method, Evaluation, Source, Remark. Rows list aquatic toxicity for fish, crustacea, aquatic invertebrate, algae and cyanobacteria, and microorganisms.



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12.2 Persistence and degradability

Table with 4 columns: Value, Method, Source, Remark. Row 1: Biodegradation, [blank], The main components are probably slightly degradable, but some components are persistent in the environment estimated

12.3 Bioaccumulative potential

Assessment/classification

Floats on water, is in liquid form, is adsorbed on Erdbodenpartikel partially and passes into the vapor phase. No groundwater contamination.

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.

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 1: 140603 *, other solvents and solvent mixtures

Appropriate disposal / Product

Dispose as specified by the public authorities.

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 14.1-14.5: UN 1950, AEROSOLS, 2.1, -, 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

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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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 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.

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.
H411 Toxic to aquatic life with long lasting effects.

Indication of changes

* Data changed compared with the previous version