



ES WIRKT.

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

PTFE Trockenschmierung Lösung

Print date 07.09.2023
Revision date 07.09.2023
Version 4.1 (en)
replaces version of 02.03.2023 (4.0)

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

1.1 Product identifier

Trade name/designation PTFE Trockenschmierung Lösung
Unique Formula Identifier UFI: FRHC-E1MM-J00V-9P97

Hazard components
ethyl alcohol

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

Use of the substance/mixture
Lubricant (dry lubrication)

1.3 Details of the supplier of the safety data sheet

Supplier

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

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
Flam. Liq. 2, H225	



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

Classification procedure

Eye Irrit. 2, H319

Hazard statements for physical hazards

H225 Highly flammable liquid and vapour.

Hazard statements for health hazards

H319 Causes serious eye irritation.

*** 2.2 Label elements**

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

Hazard components

ethyl alcohol

Hazard pictograms



GHS02



GHS07

Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P235 Keep cool.

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

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
64-17-5	200-578-6	ethyl alcohol	> 70 weight-%	Flam. Liq. 2; H225	



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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

Remove casualty to fresh air and keep warm and at rest.
Medical treatment necessary.

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.

Following ingestion

Do NOT induce vomiting.
If swallowed, immediately drink:
Water
Seek medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

Unconsciousness
Headache
Nausea
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
ABC-powder
Carbon dioxide (CO₂)
Water mist

Unsuitable extinguishing media

Strong water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide
Carbon dioxide (CO₂)
Hydrogen fluoride
Vapours may form explosive mixtures with air



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5.3 Advice for firefighters

Special protective equipment for firefighters

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

Additional information

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 cleaning up

Clean contaminated articles and floor according to the environmental legislation.

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.

Use only in well-ventilated areas.

Keep away from sources of ignition - No smoking.

Do not inhale vapours.

Avoid:

Eye contact

Skin contact

Advices on general occupational hygiene

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

Wash hands before breaks and after work.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.

Keep container tightly closed.

Storage class

3 Flammable liquids



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Materials to avoid

Do not store together with:
Oxidising agent

Further information on storage conditions

Protect of heat.

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
64-17-5	200-578-6	Ethanol	Short-term(ml/m ³) 1000 (1) (1) 15 minutes reference period (IE)
64-17-5	200-578-6	Ethanol	1000 [ml/m ³ (ppm)] 1920 [mg/m ³] (UK)

8.2 Exposure controls

Personal protection equipment

Eye/face protection

tightly fitting goggles

Hand protection

Gloves (solvent-resistant)

The material of the gloves has to be impermeable and consistent for the substance. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Body protection:

Flame-retardant protective clothing

Respiratory protection

Respiratory protection necessary at:
insufficient exhaust

prolonged exposure

Suitable respiratory protection apparatus:

Short term: filter apparatus, Filter A/P2

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

liquid



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Colour

colourless
clear

Odour

like:
Alcohol

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. 78 °C pressure 1013 mbar		
flammability	not determined		
Lower and upper explosion limit	Upper explosion limit approx. 27.7 Vol-%		information concern solvent
Lower and upper explosion limit	Lower explosion limit approx. 3.1 Vol-%		information concern solvent
Flash point	approx. 12 °C		information for solvent
Auto-ignition temperature	not determined		
Decomposition temperature	not determined		
pH	in delivery state 7.5 (20°C)		neutral
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 ³ 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 hazardous reactions known.

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

No data available



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10.4 Conditions to avoid

Formation of explosive gas/air mixtures.

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	> 10000 mg/kg Species Rat	OECD 402	
Acute inhalation toxicity	1800 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
No primary but slight irritant effect on rabbits' skin		

Serious eye damage/irritation

Animal data

Result / Evaluation	Method	Source, Remark
slightly irritant but not relevant for classification.		

Sensitisation to the respiratory tract

not determined

Skin sensitisation

Animal data

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

Germ cell mutagenicity

not determined



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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

When properly used the product according to our experience and the information available to us caused no harmful effects.

Has a degreasing effect on the skin.

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

	Effective dose	Method, Evaluation	Source, Remark
Acute (short-term) fish toxicity	LC50: 8150 mg/L Species <i>Leuciscus idus</i> (golden orfe) Test duration 48 h		Information are based on results of similar products
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	EC50 9268- 14221 mg/L Species <i>Daphnia magna</i> (Big water flea) Test duration 48 h		Product is easily volatile.
Chronic (long-term) toxicity to aquatic invertebrate	not determined		
Acute (short-term) toxicity to algae and cyanobacteria	EC50 5000 mg/L Species <i>Scenedesmus quadricauda</i> Test duration 168 h		Product is easily volatile.
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



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	Value	Method	Source, Remark
Biodegradation			Product is partially biodegradable. Significant residues remain. 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

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
140603 *	other solvents and solvent mixtures

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.

Remark

Waste removal corresponding to official directives

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	UN 1993	UN 1993	UN 1993
14.2 UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (ethyl alcohol)	FLAMMABLE LIQUID, N.O.S. (ethyl alcohol)	Flammable liquid, n.o.s. (ethyl alcohol)
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group	II	II	II
14.5 Environmental hazards	No	No	No
14.6 Special precautions for user	No data available		



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14.7 Maritime transport in bulk according to IMO instruments

No data available

Land transport (ADR/RID)

UN number or ID number	UN 1993
UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (ethyl alcohol)
Transport hazard class(es)	3
Hazard label(s)	3
Classification code	F1
Packing group	II
Environmental hazards	No
Limited quantity (LQ)	1 L
Special provisions	274, 601, 640C
Tunnel restriction code	D/E

Sea transport (IMDG)

UN number or ID number	UN 1993
UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (ethyl alcohol)
Transport hazard class(es)	3
Packing group	II
Environmental hazards	No
Limited quantity (LQ)	1 L
Marine pollutant	No
EmS	F-E, S-E

Air transport (ICAO-TI / IATA-DGR)

UN number or ID number	UN 1993
UN proper shipping name	Flammable liquid, n.o.s. (ethyl alcohol)
Transport hazard class(es)	3
Packing group	II
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

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 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.

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

H225 Highly flammable liquid and vapour.

Indication of changes

* Data changed compared with the previous version