



ES WIRKT.

Safety Data Sheet according to Regulation (EC)
No. 1907/2006 (REACH)
revision 24.11.2020 (GB) Version 7.4
Ballistol Teflon-Spray (PTFE)

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

1.1. Product identifier

Name of product Ballistol Teflon-Spray (PTFE)

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

Identified uses

! Remark

UFI: 8CDQ-7E13-X001-34Y0

Recommended intended purpose(s)

Lubricant (dry lubrication)

1.3. Details of the supplier of the safety data sheet

Manufacturer

F.W.Klever
Hauptstraße 20, D-84168 Aham
Phone +49 (0) 8744 96 99 10, Fax + 49 (0) 8744 96 99 96
E-Mail info@ballistol.de
Internet www.ballistol.de

Advice

Qualitätssicherung
Phone +49 (0) 8744 96 99 30
E-mail (competent person):
info@ballistol.de

1.4. Emergency telephone number

Emergency advice

Dr.Zettler (Werktags von 8.00 Uhr bis 16.00 Uhr) oder
Giftnotrufzentrale 022819240
Phone +49 (0) 8744 96 99 30

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Aerosol 1	H222, H229	
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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.
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2.2. Label elements



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



GHS02



GHS07

Signal word

Danger

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.

Precautionary Statements

General

P102 Keep out of reach of children.

Prevention

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
P251 Do not pierce or burn, even after use.

! Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal

P501 Dispose of contents/container to recycling

2.3. Other hazards

No information available.

SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Hazardous ingredients

CAS No	EC No	Name	[%-Vol]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
74-98-6	200-827-9	propane	ca. 35	Flam. Gas 1, H220 / Press. Gas
106-97-8	203-448-7	butane	ca. 15	Flam. Gas 1, H220 / Press. Gas



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SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately.
Take away from danger area and lay down affected person.

In case of inhalation

Ensure fresh air.

In case of skin contact

In case of contact with skin wash off with soap and water.
Consult a doctor if skin irritation persists.

In case of eye contact

In case of contact with eyes rinse thoroughly with water.
Refer to medical treatment.

In case of ingestion

Rinse out mouth and give plenty of water to drink.

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

Physician's information / possible symptoms

Unconsciousness
Delirious state
vomiting
Nausea
Confusion
Dizziness

4.3. Indication of any immediate medical attention and special treatment needed

Treatment (Advice to doctor)

Treat symptoms.

! SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam
Carbon dioxide
Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply (isolated).
Wear full protective clothing.

Additional information

Cool endangered containers with water spray jet.
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

Ensure adequate ventilation.
Use personal protective clothing.
Keep away sources of ignition.

6.2. Environmental precautions

Do not discharge into the drains or bodies of water..

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sawdust).
Take up mechanically and send for disposal.

6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special measures necessary if used correctly.

General protective measures

Do not inhale aerosols
Avoid contact with the eyes.

Hygiene measures

At work do not eat, drink, smoke or take drugs.
Storing of food in workroom forbidden.
Wash hands before breaks and after work.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

7.2. Conditions for safe storage, including any incompatibilities

Advice on storage compatibility

Do not store together with food.

Further information on storage conditions

Protect of heat.

Storage group 2B

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Respiratory protection

If ventilation insufficient, wear respiratory protection.
Short term: filter apparatus, Filter A/P2



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Hand protection

Gloves (solvent-resistant)

Eye protection

tightly fitting goggles

Other protection measures

protective clothing

Limitation and surveillance of the environment

! SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

aerosol

Colour

colourless, clear

Odour

alcoholic

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	ca. 7,5	20 °C			
boiling point	ca. 78 °C		1013 mbar		
Melting point / Freezing point	not determined				
Flash point	ca. -104 °C				(Propan)
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	not determined				
Self ignition temperature	not determined				
Lower explosion limit	1,5 Vol-%				(Propan)
Upper explosion limit	10,9 Vol-%				(Propan)
Vapour pressure	ca. 60 hPa	20 °C			
Relative density	ca. 0,82 g/cm3	20 °C	1013 mbar		information concerns to liquid phase
Vapour density	not determined				
Solubility in water					multimiscible



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	Value	Temperature	at	Method	Remark
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity	not determined				
Oxidising properties No information available.					
Explosive properties No information available.					
9.2. Other information No information available.					

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information 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

Substances to avoid

Reactions with strong oxidising agents.

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.

! SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	> 5000 mg/kg	rat		Information concerns to main component.
LD50 acute dermal	> 2000 mg/kg	rat		Data refer to the main component



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	Value/Validation	Species	Method	Remark
LC50 acute inhalation	> 20000 mg/l (4 h)	rat		Details refer to the main component
Skin irritation	non-irritant			
Eye irritation	irritant			
Skin sensitization	non-sensitizing			experiences

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LC50 > 8100 mg/l (48 h)	Leuciscus idus		
Daphnia	EC50 > 9000 mg/l (48 h)	Daphnia magna	OECD	
Algae	EC10 > 6500 mg/l (16 h)	Pseudomonas putida		

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Biological degradability				readily degradable

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

General regulation

Do not allow uncontrolled leakage 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.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.

14 06 03*

Name of waste

other solvents and solvent mixtures

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for the product

Incinerate in suitable incineration plant, but care for official regulations.



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Recommendations for packaging

Totally emptied packaging may be taken for recycling.
Barrel: return by DSD (Dualistic System Germany)

! SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	1950	1950	1950
14.2. UN proper shipping name	Druckgaspackung	Aerosols	Aerosols, flammable
14.3. Transport hazard class(es)	2	2	2.1
14.4. Packing group	-	-	-
14.5. Environmental hazards	No	No	No

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

Land and inland navigation transport ADR/RID

tunnel restriction code D

Classification code 5F

SECTION 15: Regulatory information

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

National regulations

Water hazard class 1 self-classification

15.2. Chemical Safety Assessment

For this substance a chemical safety assessment is not required.

SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 7.3

H220 Extremely flammable gas.