



## ! 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](mailto:info@ballistol.de)  
Internet [www.ballistol.de](http://www.ballistol.de)

#### Advice

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



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.

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**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



## 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.

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## ! 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 (CO<sub>2</sub>)

### 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.

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## 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.

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## 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**

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**! 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
<b>pH value</b>	ca. 7,5	20 °C			
<b>boiling point</b>	ca. 78 °C			1013 mbar	
<b>Melting point / Freezing point</b>	not determined				
<b>Flash point</b>	ca. -104 °C				(Propan)
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	not determined				
<b>Self ignition temperature</b>	not determined				
<b>Lower explosion limit</b>	1,5 Vol-%				(Propan)
<b>Upper explosion limit</b>	10,9 Vol-%				(Propan)
<b>Vapour pressure</b>	ca. 60 hPa	20 °C			
<b>Relative density</b>	ca. 0,82 g/cm <sup>3</sup>	20 °C		1013 mbar	information concerns to liquid phase
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>					multimiscible



	Value	Temperature	at	Method	Remark
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity</b>	not determined				
<b>Oxidising properties</b> No information available.					
<b>Explosive properties</b> No information available.					
<b>9.2. Other information</b> 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
<b>LD50 acute oral</b>	> 5000 mg/kg	rat		Information concerns to main component.
<b>LD50 acute dermal</b>	> 2000 mg/kg	rat		Data refer to the main component



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

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicological effects

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

### 12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>				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.



**Recommendations for packaging**

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

**! SECTION 14: Transport information**

	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA-DGR</b>
<b>14.1. UN number</b>	1950	1950	1950
<b>14.2. UN proper shipping name</b>	Druckgaspackung	Aerosols	Aerosols, flammable
<b>14.3. Transport hazard class(es)</b>	2	2	2.1
<b>14.4. Packing group</b>	-	-	-
<b>14.5. Environmental hazards</b>	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.