



ES WIRKT.

Safety Data Sheet according to Regulation (EC)  
No. 1907/2006 (REACH)  
revision 25.05.2021 (GB) Version 6.4  
**Zylinder-Spray**

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

### 1.1. Product identifier

Name of product Zylinder-Spray

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

Identified uses

#### ! Remark

UFI: FUMC-N1FW-K00P-3Y8J

#### Recommended intended purpose(s)

Care and cleaning of cylinders and locks

### 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
--------------------------------------	-------------------	--------------------------

Aerosol 1 Eye Irrit. 2	H222, H229	
---------------------------	------------	--

#### Hazard statements for physical hazards

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.

### 2.2. Label elements



ES WIRKT.

Safety Data Sheet according to Regulation (EC)  
No. 1907/2006 (REACH)  
revision 25.05.2021 (GB) Version 6.4  
**Zylinder-Spray**

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.

### 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.

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.

P337 + P313 If eye irritation persists: Get medical advice/attention.

#### 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	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
74-98-6	200-827-9	propane	ca. 7	Flam. Gas 1, H220 / Press. Gas
106-97-8	203-448-7	butane	ca. 20	Flam. Gas 1, H220 / Press. Gas
64742-82-1	926-141-6	Testbenzin	< 10	



**ES WIRKT.**

Safety Data Sheet according to Regulation (EC)  
No. 1907/2006 (REACH)  
revision 25.05.2021 (GB) Version 6.4  
**Zylinder-Spray**

---

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### In case of inhalation

Ensure fresh air.

In the event of symptoms refer for medical treatment.

#### In case of skin contact

In case of contact with skin wash off with soap and water.

#### In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

#### In case of ingestion

If swallowed by mistake drink plenty of water and seek medical treatment.

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

No information available.

### 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

ABC powder

Carbon dioxide

Water spray jet

#### Unsuitable extinguishing media

Full water jet

### 5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released:

Nitrogen gases (NO<sub>x</sub>)

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 ).

#### Additional information

Cool endangered containers with water spray jet.

Heating causes rise in pressure with risk of bursting

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.



**ES WIRKT.**

Safety Data Sheet according to Regulation (EC)  
No. 1907/2006 (REACH)  
revision 25.05.2021 (GB) Version 6.4  
**Zylinder-Spray**

---

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Keep away sources of ignition.  
Use breathing apparatus if exposed to vapours/dust/aerosol.  
High risk of slipping due to leakage/spillage of product.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

### 6.3. Methods and material for containment and cleaning up

Clean contaminated objects and floor thoroughly under consideration of environment regulations.  
Take up residues with absorbent material (e.g. sawdust).

### 6.4. Reference to other sections

No information available.

---

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Do not spray into flames or ignition sources

#### General protective measures

Do not inhale gases/vapours/aerosols.

#### Hygiene measures

Remove soiled or soaked clothing immediately.  
Wash hands before breaks and after work.

#### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking  
Protect aerosols from temperatures exceeding 50°C/ 122°F

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep only in original container.

#### Further information on storage conditions

Recommended storage temperature: room temperature.

#### Information on storage stability

Storage time: 3 years.

**Storage group** 2B

### 7.3. Specific end use(s)

No information available.



ES WIRKT.

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) revision 25.05.2021 (GB) Version 6.4 Zylinder-Spray

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Respiratory protection

Respiratory protection must be worn whenever the WEL levels have been exceeded 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

Hand protection

Gloves (oil-resistant) Recommendation: protective glove (referred to EN374).

Eye protection

With demand: protective glasses

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

aerosol

Colour

light yellow

Odour

characteristic

Odour threshold

not determined

Important health, safety and environmental information

Table with 6 columns: Property, Value, Temperature, at, Method, Remark. Rows include pH value, boiling point, Melting point / Freezing point, Flash point, Vapourisation rate, Flammable (solid), Flammability (gas), Ignition temperature, Self ignition temperature, Lower explosion limit, Upper explosion limit, and Vapour pressure.



ES WIRKT.

Safety Data Sheet according to Regulation (EC)  
No. 1907/2006 (REACH)  
revision 25.05.2021 (GB) Version 6.4  
**Zylinder-Spray**

	Value	Temperature	at	Method	Remark
<b>Relative density</b>	ca. 0,9 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>					immiscible
<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 kinematic</b>	ca. 28				information concerns to liquid phase

**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.

**10.5. Incompatible materials**  
**Substances to avoid**  
Reactions with strong oxidising agents.

**10.6. Hazardous decomposition products**  
Carbon monoxide and carbon dioxide.

**Additional information**  
Product is stable under normal storage conditions



ES WIRKT.

Safety Data Sheet according to Regulation (EC)  
No. 1907/2006 (REACH)  
revision 25.05.2021 (GB) Version 6.4  
**Zylinder-Spray**

## 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		
<b>LD50 acute dermal</b>	> 5000 mg/kg	rabbit		
<b>Eye irritation</b>	low irritant			
<b>Skin sensitization</b>	non-sensitizing			

## SECTION 12: Ecological information

### 12.1. Toxicity

No information available.

### 12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>				Moderately/partially biodegradable

### 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

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Waste code No.

13 02 05\*

#### Name of waste

mineral-based non-chlorinated engine, gear and lubricating oils

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

### Recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Barrel: return by DSD ( Dualistic System Germany )



ES WIRKT.

Safety Data Sheet according to Regulation (EC)  
No. 1907/2006 (REACH)  
revision 25.05.2021 (GB) Version 6.4  
**Zylinder-Spray**

## ! 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: 6.3

H220 Extremely flammable gas.