

Sehr geehrte Damen und Herren,

wir erklären folgend die Zuordnung der Artikel zum beigefügten Sicherheitsdatenblatt.

Lieferant ist:

**F.W. Klever GmbH**

**Laufende Nummer aus dem Gefahrgutkataster:**

**19**

<b>Lieferantenartikelnummer</b>	<b>Movera Artikelnummer</b>
21700	9927217

Bad Waldsee, 11. Januar 2019



Safety Data Sheet according to Regulation (EC)  
No. 1907/2006 (REACH)  
revision 07.07.2015 (GB) Version 6.5  
**Ballistol-Spray**

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

### 1.1. Product identifier

Name of product Ballistol-Spray

### 1.2. Relevant identified uses of the substance or mixture and uses advised against Recommended intended purpose(s)

For maintaining metal, wood, leather, rubber, synthetic material

### 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  
This number is only available at office times.

## SECTION 2: Hazards Identification

### 2.1. Classification of the substance or mixture

Classification according to 67/548/EEC or 1999/45/EC

F+; R12

#### R-phrases

12 Extremely flammable.

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.

### 2.2. Label elements



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



GHS02

**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.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.

**Response**

P370 + P378 In case of fire: Use water for extinction.

**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 67/548/EEC
74-98-6	200-827-9	propane	ca. 4,5	F+ R12
106-97-8	203-448-7	butane	ca. 10,2	F+ R12
107-83-5	203-523-4	hexane (containing < 5 % n-hexane (203-777-6))		F R11; Xn R65; Xi R38; R67; N R51-53

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
74-98-6	200-827-9	propane	ca. 4,5	Flam. Gas 1, H220 / Press. Gas
106-97-8	203-448-7	butane	ca. 10,2	Flam. Gas 1, H220 / Press. Gas



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#### Hazardous ingredients (continued)

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
107-83-5	203-523-4	hexane (containing < 5 % n-hexane (203-777-6))		Flam. Liq. 2, H225 / Asp. Tox. 1, H304 / Skin Irrit. 2, H315 / STOT SE 3, H336 / Aquatic Chronic 2, H411

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

###### In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

###### In case of skin contact

No special measure necessary.

###### 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

No special measure necessary.

##### 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

Strong water jet

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

In the event of fire the following can be released:

Nitrogen oxides (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



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

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## 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.

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## 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

#### 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

### 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

At appropriate storage unlimited stability.

**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

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

Ballistol was dermatologically tested and rated with "very good", so hand or skin guard is not necessary.

#### 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

	Value	Temperature	at	Method	Remark
<b>pH value</b>	ca. 8				emulsion in water
<b>boiling point</b>	-48 °C				(Propan)
<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>	ca. 1,5 Vol-%				(Propan)
<b>Upper explosion limit</b>	10,9 Vol-%				(Propan)
<b>Vapour pressure</b>	not determined				



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	Value	Temperature	at	Method	Remark
<b>Relative density</b>	ca. 0,775 g/ml	20 °C		1013 hPa	
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>		20 °C		1013 hPa	emulsifiable
<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				

**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.

**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



## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	> 2000 mg/kg	rat		Nie zauważalny efekt toksyczny
<b>Irritability eye</b>	low irritant			experiences
<b>Skin sensitization</b>	non-sensitizing			experiences

## 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>	The product is 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 07\*

#### Name of waste

readily biodegradable 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!*

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## SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

**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

UN-Nummer: 1950

RID: class 23

including 1.000 ml LQ2 (max. 30 kg/package)

ADR/RID: Klasse 2, Code: 5F

### Marine transport IMDG

UN 1950 Aerosols (max 1L) IMDG class 2, Code- see SP63, EmS: F-D, S-U ; packaging instructions: P003 - LP02; packaging order: PP17-PP87-L2.

UN 1950 Aerosols (max 1L) IMDG class 2, Code- see SP63, EmS: F-D, S-U ; packaging instructions: P003 - LP02; packaging order: PP17-PP87-L2

### Air transport ICAO/IATA-DGR

UN/ID-Number: 1950, Aerosols, flammable

ICAO/IATA: Class 2.1

Passanger/Cargo: 203

## 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.



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## 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: 6.4

### Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

- R 11 Highly flammable.
- R 12 Extremely flammable.
- R 38 Irritating to skin.
- R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R 65 Harmful: may cause lung damage if swallowed.
- R 67 Vapours may cause drowsiness and dizziness.
  
- 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.