



Safety Data Sheet according to Regulation (EC)  
No. 1907/2006 (REACH)  
revision 10.01.2019 (GB) Version 1.9  
**Waffenteilereiniger**

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

### 1.1. Product identifier

Name of product Waffenteilereiniger

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

**Recommended intended purpose(s)**  
For cleaning and greasing weapon parts

### 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 Regulation (EC) No 1272/2008 [CLP/GHS]**

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Aerosol 1	H222, H229	
Skin Irrit. 2	H315	
STOT SE 3	H336	
Aquatic Chronic 3	H412	

#### Hazard statements for physical hazards

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

#### Hazard statements for health hazards

H315 Causes skin irritation.  
H336 May cause drowsiness or dizziness.

#### Hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

### 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**

H315 Causes skin irritation.  
H336 May cause drowsiness or dizziness.

**Hazard statements for environmental hazards**

H412 Harmful to aquatic life with long lasting effects.

**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.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P271 Use only outdoors or in a well-ventilated area.

**Storage**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
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	< 15	Flam. Gas 1, H220 / Press. Gas
106-97-8	203-448-7	butane	< 30	Flam. Gas 1, H220 / Press. Gas

**Additional advice**

Aerosol: Propellant propane/butane gas



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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated soaked clothing immediately.

#### In case of inhalation

Ensure of 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.

Consult a doctor if skin irritation persists.

#### 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

Do not induce vomiting.

If troubles appear bring to a medical treatment

Rinse out mouth thoroughly with water.

### 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.

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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 monoxide (CO)

Süsinikdioksiid (CO<sub>2</sub>)

Vapours may form explosive mixtures with air

### 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 leads to pressure increase and risk of cracking



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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.  
Do not breath vapour or spray.

### 6.2. Environmental precautions

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

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

Take up residues with absorbent material (e.g. sand, sawdust, general-purpose binder).

### 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

#### General protective measures

Avoid contact with eyes and skin  
Do not inhale aerosols

#### 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.  
Use barrier skin cream.

#### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking  
Protect aerosols from temperatures exceeding 50°C  
Do not open with force or incinerate, even when empty

### 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 from extreme heat and cold.  
Keep cool.

**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

Breathing apparatus in the event of aerosol or mist formation.

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 (solvent-resistant)

#### Eye protection

With demand: protective glasses

#### 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

fruity

#### Odour threshold

not determined

### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value</b>	not determined				
<b>boiling range</b>	ca. 80 °C				
<b>Melting point / Freezing point</b>	not determined				
<b>Flash point</b>	ca. 12 °C				information for solvent
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	ca. 425 °C				information concern solvent
<b>Self ignition temperature</b>	not determined				



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	Value	Temperature	at	Method	Remark
<b>Lower explosion limit</b>	ca. 3,5 Vol-%				information concern solvent
<b>Upper explosion limit</b>	ca. 15 Vol-%				information concern solvent
<b>Vapour pressure</b>	ca. 59 hPa	20 °C			The data refer to the solvent
<b>Relative density</b>	ca. 0,74 g/cm <sup>3</sup>	20 °C		pycnometer	
<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</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

Formation of explosive gas/air mixtures.

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

No hazardous decomposition products known.

#### Additional information

Product is stable under normal storage conditions

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	10470 mg/kg	rat	OECD 401	Information concerns to main component.
<b>LC50 acute inhalation</b>	124,7 mg/l (4 h)	rat	OECD 403	Data refers to the haupt component

#### Toxicity test (Additional information)

Er is geen risico in een normale operationele toepassing

#### Experiences made from practice

Frequent persistent contact with the skin may cause skin irritation.

#### Additional information

The product has not been tested. The information is derived from the properties of the individual components.

### SECTION 12: Ecological information

#### 12.1. Toxicity

##### Ecotoxicological effects

	Value	Species	Method	Validation
<b>Fish</b>	LC50 8140 g/m <sup>3</sup> (48 h)	Leuciscus idus		There is no risk in a normal operational application
<b>Daphnia</b>	EC50 9268 - 14221 g/m <sup>3</sup> (48 h)	Daphnia magna		There is no risk in a normal operational application
<b>Algae</b>	IC5 5000 g/m <sup>3</sup> (7 d)	Scenedesmus quadricauda		There is no risk in a normal operational application

#### 12.2. Persistence and degradability

No information available.

#### 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.

### 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

Disposal according to local regulations

##### 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 (propane)	Aerosols flammable (propan)	Aerosols flammable (propane)
14.3. Transport hazard class(es)	2	2.1	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 Other regulations (EU)

Observe regulation 98/24/EC for employee health protection against the threat of chemical substances in the workplace.

Aerosol directive (75/324/EEC).

#### National regulations

#### Restriction of occupation

Observe employment restrictions for young people.

**Water hazard class** 1 value from literature

### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

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## SECTION 16: Other information

### Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

The information shall be considered in this data accurate and up-to-date knowledge of the revision date.

They do not guarantee the adherence of certain features in the sense of legally binding.

### 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: 1.8

H220 Extremely flammable gas.