



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

### 1.1. Product identifier

**Name of product** Kaltenfetter Spray

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

#### ! Recommended intended purpose(s)

Degreasing surfaces

### 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
Aerosol 1	H222, H229	
Flam. Liq. 2		
Skin Irrit. 2	H315	
STOT SE 3	H336	
Asp. Tox. 1		
Aquatic Chronic 2	H411	

#### 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

H411 Toxic to aquatic life with long lasting effects.

### 2.2. Label elements

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



GHS02



GHS07



GHS09

**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**

H411 Toxic 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.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P251 Do not pierce or burn, even after use.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.

**Response**

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/... .  
P302 + P352 IF ON SKIN: Wash with plenty of water/... .  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 Call a POISON CENTER/doctor/.../if you feel unwell.  
P321 Specific treatment (see ... on this label).  
P331 Do NOT induce vomiting.  
P332 + P313 If skin irritation occurs: Get medical advice/attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P370 + P378 In case of fire: Use ... to extinguish.  
P391 Collect spillage.

**Storage**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.  
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	< 15	Flam. Gas 1, H220 / Press. Gas
107-83-5	203-523-4	hexane (containing < 5 % n-hexane (203-777-6))	> 30	Flam. Liq. 2, H225 / Asp. Tox. 1, H304 / Skin Irrit. 2, H315 / STOT SE 3, H336 / Aquatic Chronic 2, H411

**! Additional advice**

Aerosol: Propellant propane/butane gas

**! 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.

**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.



## **! 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**

Ångor kan tillsammans med luft bilda explosiva blandningar.  
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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## **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.

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**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**

solvent-like

**Odour threshold**

not determined

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	not determined				



Safety Data Sheet according to Regulation (EC)  
No. 1907/2006 (REACH)  
revision 30.09.2019 (GB) Version 5.2  
**Kaltenfetter Spray**

	Value	Temperature	at	Method	Remark
<b>boiling range</b>	ca. 56 °C				
<b>melting temperature</b>	< -90 °C			DIN/ISO 3016	
<b>Flash point</b>	< 0 °C				informa tion 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. 540 °C				informa tion concer n solvent
<b>Self ignition temperature</b>	not determined				
<b>Lower explosion limit</b>	ca. 2 Vol-%				informa tion concer n solvent
<b>Upper explosion limit</b>	ca. 13 Vol-%				informa tion concer n solvent
<b>Vapour pressure</b>	ca. 250 hPa	20 °C			
<b>Relative density</b>	ca. 0,8 g/cm <sup>3</sup>	20 °C		pycnometer	
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>					multimis cible
<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.

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**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

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**! SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity/Irritation/Sensitization**

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	5800 mg/kg	rat	OECD 401	Information concerns to main component.
<b>LD50 acute dermal</b>	20000 mg/kg	rabbit	OECD 402	
<b>LC50 acute inhalation</b>	76 mg/l (4 h)	rat	OECD	Details refer to the main component
<b>Eye irritation</b>	irritant	rabbit eye		
<b>Skin sensitization</b>	non-sensitizing	Guinea pig		

**Toxicity test (Additional information)**

There is no risk for a normal operation application



#### Experiences made from practice

Has a degreasing effect on the skin.  
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 5540 g/m <sup>3</sup> (96 h)	Oncorhynchus mykiss		The product is highly volatile.
<b>Daphnia</b>	EC50 12600 g/m <sup>3</sup> (48 h)	Daphnia magna		The product is highly volatile.
<b>Algae</b>	NOEC 4740 g/m <sup>3</sup> (48 h)	Pseudokirchneriella subcapitata		The product is highly volatile.

### 12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>	91 % (28 d)		OECD 301 B	
<b>Degradability</b>	84 % (20 d)			Readily biodegradable (to OECD criteria)

### 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

#### Additional ecological information

	Value	Method	Remark
<b>COD</b>	2100 mg/l		
<b>BOD 5 d</b>	1900 mg/l		

#### General regulation

Do not allow uncontrolled leakage of product into the environment.





## ! SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste code No.	Name of waste
14 06 03*	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 in accordance with local government 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 in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

### 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.

R12 = Extremely flammable

R36 = Irritate the eyes

R67 = Steams can cause doziness or stupor

R66 = ponavljajoc stik lahko privede do krhkega ali razpokano kožo

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 5.1

- 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.