



**ES WIRKT.**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

**Kaltenfetter Spray**

Print date 03.03.2023  
Revision date 03.03.2023  
Version 6.0 (en)  
replaces version of 11.12.2020 (5.4)

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

**1.1 Product identifier**

Trade name/designation Kaltenfetter Spray  
Unique Formula Identifier UFI: TVSX-V9JD-800F-E45V

**\* 1.2 Relevant identified uses of the substance or mixture and uses advised against**

Use of the substance/mixture  
Degreasing surfaces

**1.3 Details of the supplier of the safety data sheet**

**Manufacturer**

F.W.Klever  
Hauptstraße 20  
D-84168 Aham  
Telephone +49 (0) 8744 96 99 10  
Telefax + 49 (0) 8744 96 99 96  
E-mail info@ballistol.de  
Website www.ballistol.de

Department responsible for information:  
Qualitätssicherung  
Telephone +49 (0) 8744 96 99 80

E-mail (competent person):  
info@ballistol.de

**\* 1.4 Emergency telephone number**

Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0)6132-84463

**\* SECTION 2: Hazards identification**

**\* 2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 [CLP]	Classification procedure
--	--------------------------

Aerosol 1, H222 H229  
Skin Irrit. 2, H315  
STOT SE 3, H336  
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**



ES WIRKT.

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

**Kaltenfetter Spray**

Print date 03.03.2023  
Revision date 03.03.2023  
Version 6.0 (en)  
replaces version of 11.12.2020 (5.4)

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

**Hazard pictograms**



GHS02



GHS07



GHS09

**Signal word**

Danger

**Hazard statements**

H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.  
H315 Causes skin irritation.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.

\* **Precautionary statements**

P102 Keep out of reach of children.  
P233 Keep container tightly closed.  
P241 Use explosion-proof [electrical/ventilating/lighting/...] equipment.  
P242 Use non-sparking tools.  
P251 Do not pierce or burn, even after use.  
P271 Use only outdoors or in a well-ventilated area.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P273 Avoid release to the environment.  
P211 Do not spray on an open flame or other ignition source.  
P321 Specific treatment (see ... on this label).  
P331 Do NOT induce vomiting.  
P391 Collect spillage.  
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): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
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.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
P405 Store locked up.  
P501 Dispose of contents/container to recycling

**2.3 Other hazards**

No data available

---

**SECTION 3: Composition / information on ingredients**

**3.1 Substances**

not applicable



ES WIRKT.

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

**Kaltenfetter Spray**

Print date 03.03.2023  
Revision date 03.03.2023  
Version 6.0 (en)  
replaces version of 11.12.2020 (5.4)

**3.2 Mixtures**

**Hazardous ingredients**

CAS No.	EC No.	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
107-83-5	203-523-4	hexane (containing < 5-% n-hexane (203-777-6))	> 30 weight-%	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	
74-98-6	200-827-9	propane	< 15 weight-%	Flam. Gas 1; H220 Press. Gas	
106-97-8	203-448-7	butane	< 15 weight-%	Flam. Gas 1; H220 Press. Gas	

**Remark**

Aerosol: Propellant propane/butane gas

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information**

Remove contaminated, saturated clothing immediately.

**Following inhalation**

Provide fresh air.  
In the event of symptoms refer for medical treatment.

**Following skin contact**

After contact with skin, wash immediately with plenty of water and soap.

**After eye contact**

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

**Following ingestion**

Do NOT induce vomiting.  
If troubles appear bring to a medical treatment  
Rinse mouth thoroughly with water.

**4.2 Most important symptoms and effects, both acute and delayed**

No data available

**4.3 Indication of any immediate medical attention and special treatment needed**

**Notes for the doctor**

Treat symptomatically.



**ES WIRKT.**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

**Kaltenfetter Spray**

Print date 03.03.2023  
Revision date 03.03.2023  
Version 6.0 (en)  
replaces version of 11.12.2020 (5.4)

---

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

Foam  
Carbon dioxide (CO<sub>2</sub>)  
Water spray jet

**Unsuitable extinguishing media**

Full water jet

**5.2 Special hazards arising from the substance or mixture**

**Hazardous combustion products**

Vapours may form explosive mixtures together with air.  
Carbon monoxide

**5.3 Advice for firefighters**

**Special protective equipment for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers.  
Heating causes rise in pressure with risk of bursting

---

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel**

Provide adequate ventilation.  
Use personal protection equipment.  
Remove all sources of ignition.  
Do not breath vapour or spray.

**6.2 Environmental precautions**

Do not allow to enter into surface water or drains.

**6.3 Methods and material for containment and cleaning up**

**For containment**

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

**6.4 Reference to other sections**

No data available

---

**SECTION 7: Handling and storage**



ES WIRKT.

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

### Kaltenfetter Spray

Print date 03.03.2023  
Revision date 03.03.2023  
Version 6.0 (en)  
replaces version of 11.12.2020 (5.4)

## 7.1 Precautions for safe handling

### Protective measures

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Do not spray on naked flames or any incandescent material.

Keep away from sources of ignition - No smoking.

Protect aerosols from temperatures exceeding 50°C/ 122°F

Do not open with force or incinerate, even when empty

Avoid:

Eye contact

Skin contact

Do not inhale aerosols

### Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff.

Storing of food in workroom forbidden.

Wash hands before breaks and after work.

Use protective skin cream before handling the product.

## 7.2 Conditions for safe storage, including any incompatibilities

### Storage class

2B Aerosol dispensers and lighters

### Materials to avoid

Do not store together with:

Food and feedingstuffs

### Further information on storage conditions

Protect from extreme heat and cold.

Keep cool.

## 7.3 Specific end use(s)

No data available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

CAS No.	EC No.	Substance name	occupational exposure limit value
107-83-5	203-523-4	Hexane, all isomers except n-hexane	500 [ml/m <sup>3</sup> (ppm)] 1800 [mg/m <sup>3</sup> ] Short-term(ml/m <sup>3</sup> ) 1000 Short-term(mg/m <sup>3</sup> ) 3600 (IE)
106-97-8	203-448-7	n-Butane	600 [ml/m <sup>3</sup> (ppm)] 1450 [mg/m <sup>3</sup> ] Short-term(ml/m <sup>3</sup> ) 750 Short-term(mg/m <sup>3</sup> ) 1810 (UK)
107-83-5	203-523-4	Hexane, all isomers except n-hexane	500 [ml/m <sup>3</sup> (ppm)] 1800 [mg/m <sup>3</sup> ] (UK)
106-97-8	203-448-7	n-Butane	Short-term(ml/m <sup>3</sup> ) 1000 (1) (1) 15 minutes average value (IE)



ES WIRKT.

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

**Kaltenfetter Spray**

Print date 03.03.2023  
Revision date 03.03.2023  
Version 6.0 (en)  
replaces version of 11.12.2020 (5.4)

**8.2 Exposure controls**

**Personal protection equipment**

**Eye/face protection**

With demand: protective glasses

**Hand protection**

Gloves (solvent-resistant)

**Body protection:**

Protective clothing

**Respiratory protection**

Respiratory protection necessary at:  
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

**Environmental exposure controls**

**Technical measures to prevent exposure**

---

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Physical state**

Aerosol

**Colour**

colourless  
clear

**Odour**

like:  
Solvents/Thinner

**Safety relevant basis data**

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	melting temperature < -90 °C	DIN ISO 3016	
Boiling point or initial boiling point and boiling range	approx. 60 °C pressure 1013 mbar		
flammability	not determined		
Lower and upper explosion limit	Upper explosion limit approx. 10 Vol-%		information concern solvent
Lower and upper explosion limit	Lower explosion limit approx. 2 Vol-%		information concern solvent
Flash point	< 0 °C		information for solvent
Auto-ignition temperature	not determined		



**ES WIRKT.**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

**Kaltenfetter Spray**

Print date 03.03.2023  
Revision date 03.03.2023  
Version 6.0 (en)  
replaces version of 11.12.2020 (5.4)

	Value	Method	Source, Remark
Decomposition temperature	not determined		
pH	not determined		
Viscosity	not determined		
Solubility(ies)	Water solubility		multimiscible
Partition coefficient n-octanol/water (log value)	not determined		
Vapour pressure	approx. 250 hPa (20°C)		
Density and/or relative density	approx. 0.8 g/cm <sup>3</sup> (20°C) pressure 1013 mbar		
Relative vapour density	not determined		
particle characteristics	not determined		

**9.2 Other information**

No data available

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

No data available

**10.2 Chemical stability**

No data available

**10.3 Possibility of hazardous reactions**

No data 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/122°F.

**10.5 Incompatible materials**

Oxidising agent, strong

**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 hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity**

**Animal data**

	Effective dose	Method,Evaluation	Source, Remark
Acute oral toxicity	5800 mg/kg Species Rat	OECD 401	Data apply to the main component.
Acute dermal toxicity	20000 mg/kg Species Rabbit	OECD 402	



ES WIRKT.

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

**Kaltenfetter Spray**

Print date 03.03.2023  
Revision date 03.03.2023  
Version 6.0 (en)  
replaces version of 11.12.2020 (5.4)

	Effective dose	Method, Evaluation	Source, Remark
Acute inhalation toxicity	76 mg/L Species Rat Exposure time 4 h	OECD	Details refer to the main component

**Skin corrosion/irritation**

not determined

**Serious eye damage/irritation**

**Animal data**

Result / Evaluation	Method	Source, Remark
Irritant. Species Rabbit		

**Sensitisation to the respiratory tract**

not determined

**Skin sensitisation**

**Animal data**

Result / Evaluation	Dose / Concentration	Method	Source, Remark
not sensitising.	Species Guinea pig		

**Germ cell mutagenicity**

not determined

**Carcinogenicity**

not determined

**Reproductive toxicity**

not determined

**STOT-single exposure**

not determined

**STOT-repeated exposure**

not determined

**Aspiration hazard**

not determined

**11.2 Information on other hazards**

**Other information**

There is no risk for a normal operation application  
Has a degreasing effect on the skin.  
Frequent persistent contact with the skin may cause skin irritation.  
The product has not been tested. The information is derived from the properties of the individual components.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity**

	Effective dose	Method, Evaluation	Source, Remark
Acute (short-term) fish toxicity	LC50: 5540 g/m3 Species Oncorhynchus mykiss (Rainbow trout) Test duration 96 h		Product is easily volatile.





ES WIRKT.

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Kaltenfetter Spray

Print date 03.03.2023
Revision date 03.03.2023
Version 6.0 (en)
replaces version of 11.12.2020 (5.4)

Table with 4 columns: Effective dose, Method, Evaluation, Source, Remark. Rows include toxicity data for fish, crustacea, aquatic invertebrates, algae, and other organisms.

12.2 Persistence and degradability

Table with 4 columns: Value, Method, Source, Remark. Rows show biodegradation rates of 91% and 84%.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

Additional ecotoxicological information

Table with 4 columns: Value, Method, Source, Remark. Rows show COD (2100 mg/L) and Biochemical oxygen demand (1900 mg/L).

Additional information

Do not allow uncontrolled discharge of product into the environment.



ES WIRKT.

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

**Kaltenfetter Spray**

Print date 03.03.2023  
Revision date 03.03.2023  
Version 6.0 (en)  
replaces version of 11.12.2020 (5.4)

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Waste codes/waste designations according to EWC/AVV**

Waste code product	Waste name
140603 *	other solvents and solvent mixtures

**Appropriate disposal / Product**

Dispose as specified by the public authorities.

**Appropriate disposal / Package**

Completely emptied packages can be recycled.  
Recycle sales packaging via DSD (Duales System Deutschland).

**SECTION 14: Transport information**

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1 UN number or ID number</b>	UN 1950	UN 1950	UN 1950
<b>14.2 UN proper shipping name</b>	AEROSOLS	AEROSOLS	Aerosols, flammable
<b>14.3 Transport hazard class(es)</b>	2.1	2.1	2.1
<b>14.4 Packing group</b>	-	-	-
<b>14.5 Environmental hazards</b>	No	No	No

**14.6 Special precautions for user**

No data available

**14.7 Maritime transport in bulk according to IMO instruments**

No data available

**Land transport (ADR/RID)**

UN number or ID number	UN 1950
UN proper shipping name	AEROSOLS
Transport hazard class(es)	2.1
Hazard label(s)	2.1
Classification code	5F
Packing group	-
Environmental hazards	No
Limited quantity (LQ)	1 L
Special provisions	190, 327, 344, 625
Tunnel restriction code	D

**Sea transport (IMDG)**

UN number or ID number	UN 1950
UN proper shipping name	AEROSOLS
Transport hazard class(es)	2.1
Packing group	-



**ES WIRKT.**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

**Kaltenfetter Spray**

Print date 03.03.2023  
Revision date 03.03.2023  
Version 6.0 (en)  
replaces version of 11.12.2020 (5.4)

Environmental hazards	No
Limited quantity (LQ)	1 L
Marine pollutant	No
EmS	F-D, S-U

**Air transport (ICAO-TI / IATA-DGR)**

UN number or ID number	UN 1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	2.1
Packing group	-
Environmental hazards	No

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Other regulations (EU)**

**To follow:**

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work  
Aerosol directive (75/324/EEC)

**15.2 Chemical Safety Assessment**

**National regulations**

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

**SECTION 16: Other information**

**Additional information**

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.  
The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.  
R12 = Extremely flammable  
R36 = Irritate the eyes  
R67 = Steams can cause dizziness or stupor  
R66 = Repeated contact can lead to brittle or cracked skin

**Relevant H- and EUH-phrases (Number and full text)**

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.



**ES WIRKT.**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

**Kaltenfetter Spray**

Print date 03.03.2023  
Revision date 03.03.2023  
Version 6.0 (en)  
replaces version of 11.12.2020 (5.4)

---

**Indication of changes**

\* Data changed compared with the previous version