



ES WIRKT.

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

Pfeffer-KO JET

Print date 13.09.2023
Revision date 13.09.2023
Version 10.2 (en)
replaces version of 08.09.2023 (10.1)

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

1.1 Product identifier

Trade name/designation Pfeffer-KO JET
Unique Formula Identifier UFI: NSK7-2M1U-8006-NTHA

Hazard components

Capsaicin

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

Use of the substance/mixture

animal defense

1.3 Details of the supplier of the safety data sheet

Supplier

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
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Aerosol 1, H222 H229

Eye Irrit. 2, H319

STOT SE 3, H335

Hazard statements for physical hazards

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

Hazard statements for health hazards

H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

*** 2.2 Label elements**

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

Hazard components

Capsaicin



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Hazard pictograms



GHS02



GHS07

Signal word

Danger

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P501 Only empty the contents / container for recycling.
P102 Keep out of reach of children.
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.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing and eye protection/face protection.
P210 From heat, hot surfaces, sparks, flames and other sources of ignition. Do not smoke.
P211 Do not spray on an open flame or other ignition source.
P302 + P352 IF ON SKIN: Wash with plenty of water/...
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P410 Protect from sunlight.
P411 Do not store at temperatures above 50 °C.

Special rules for supplemental label elements for certain mixtures

EUH208 Contains 0.9% capsaicin. Can cause allergic reactions.

2.3 Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

Hazardous ingredients

CAS No.	EC No.	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
64-17-5	200-578-6	ethyl alcohol	89 weight-%	Flam. Liq. 2; H225	



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CAS No.	EC No.	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
404-86-4	206-969-8	Capsaicin	0.9 weight-%	Acute Tox. 3; H301 Eye Dam. 1; H318 Resp. Sens. 1; H334 Skin Sens. 1; H317 STOT SE 3; H335	

Additional information

Capsaicin is component of the natural Oleoresin Capsicum

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated, saturated clothing immediately.
Remove affected person from the danger area and lay down.

Following inhalation

Provide fresh air.

Following skin contact

Wash immediately with:
Water

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

Rinse mouth immediately and drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

The following symptoms may occur:
Cough
Dyspnoea
Headache

Effects

Respiratory complaints

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.



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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam
ABC-powder
Carbon dioxide (CO₂)
Water mist

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for firefighters

Special protective equipment for firefighters

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

Additional information

Do not inhale explosion and combustion gases.

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.

6.2 Environmental precautions

No data available

6.3 Methods and material for containment and cleaning up

For containment

Flush away residues with water.

6.4 Reference to other sections

No data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Keep away from sources of ignition - No smoking.
n.a. (non-applicable), no working material

Advices on general occupational hygiene

n.a. (non-applicable), no working material

7.2 Conditions for safe storage, including any incompatibilities

Storage class

2B Aerosol dispensers and lighters



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Materials to avoid

Do not store together with:
Food and feedingstuffs

Further information on storage conditions

Protect from extreme heat and cold.

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
64-17-5	200-578-6	Ethanol	Short-term(ml/m ³) 1000 (1) (1) 15 minutes reference period (IE)
64-17-5	200-578-6	Ethanol	1000 [ml/m ³ (ppm)] 1920 [mg/m ³] (UK)

8.2 Exposure controls

Personal protection equipment

Eye/face protection

safety goggles, in case of increased risk add protective face shield

Hand protection

In the event of splash contact, glove material nitrile rubber, layer thickness > 0.11 mm, breakthrough time > 60 min

Body protection:

Solvent-resistant protective clothing

Respiratory protection

Suitable respiratory protection apparatus:
Self-contained respirator (breathing apparatus)
Breathing apparatus with combination filter A2/P2

Additional information

When used properly no personal protective equipment is required. In case of unintentional release of larger quantities we recommend:

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

liquid

Colour

red-dark brown



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Odour

irritant

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	not determined		
Boiling point or initial boiling point and boiling range	78 °C		the data refer to the solvent
flammability	not determined		
Lower and upper explosion limit	Upper explosion limit approx. 10.9 Vol-%		information concern solvent
Lower and upper explosion limit	Lower explosion limit approx. 1.5 Vol-%		information concern solvent
Flash point	13 °C		information for solvent
Auto-ignition temperature	approx. 425 °C		Die Daten beziehen sich auf das Lösemittel.
Decomposition temperature	not determined		
pH	not determined		
Viscosity	not determined		
Solubility(ies)	not determined		
Partition coefficient n-octanol/water (log value)	not determined		
Vapour pressure	not determined		
Density and/or relative density	approx. 0.8 g/cm ³ (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

No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No hazardous decomposition products known.



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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	> 160 mg/kg Species Rat		Detail refers to the irritant (Contents of 4 can)
Acute dermal toxicity	> 160 mg/kg Species Rabbit		
Acute inhalation toxicity	not determined		

Skin corrosion/irritation

not determined

Serious eye damage/irritation

Animal data

Result / Evaluation	Method	Source, Remark
strongly irritant. Species Rabbit		

Sensitisation to the respiratory tract

not determined

Skin sensitisation

not determined

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

The classification of the mixture is based on the results of the method of calculation (conventional method) of VO 1272/2008. According to the manufacturer's experience, the dangers that go beyond labelling are not expected.



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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Table with 4 columns: Effective dose, Method, Evaluation, Source, Remark. Rows include Acute (short-term) fish toxicity, Chronic (long-term) fish toxicity, Acute (short-term) toxicity to crustacea, Chronic (long-term) toxicity to aquatic invertebrate, Acute (short-term) toxicity to algae and cyanobacteria, Chronic (long-term) toxicity to aquatic algae and cyanobacteria, Toxicity to other aquatic plants/organisms, Toxicity to microorganisms.

12.2 Persistence and degradability

Table with 4 columns: Value, Method, Source, Remark. Row: Biodegradation, Biodegradable.

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

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste codes/waste designations according to EWC/AVV

Table with 2 columns: Waste code product, Waste name. Row: 150104, metallic packaging

Appropriate disposal / Package

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



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SECTION 14: Transport information

Table with 4 columns: Property, Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR). Rows include UN number, shipping name, hazard class, packing group, and environmental hazards.

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 -
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



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SECTION 15: Regulatory information

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

No data available

15.2 Chemical Safety Assessment

No data available

SECTION 16: Other information

Key literature references and sources for data

The classification of the mixture is based on the results of the calculation method (conventional method) of VO 1272/2008. According to the manufacturer's experience, dangers beyond the labeling are not to be expected.

Additional information

National and local regulations concerning chemicals shall be observed.
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.

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

- H225 Highly flammable liquid and vapour.
- H301 Toxic if swallowed.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.

Indication of changes

* Data changed compared with the previous version