

Trade name: No Fight Anti-Agression Spray

Version: 2 / GB

Date revised: 12.12.2022

Substance number: R-22152

Replaces Version: - / GB

Print date: 12.12.2022

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

1.1. Product identifier

No Fight Anti-Agression Spray

Registration no.

UFI KVAY-31MV-V00Q-4TAG

Substance / product identification

PR-No. 22152

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

Use of the substance/preparation

Repellant

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Albert Kerbl GmbH

Felizenzell 9

84428 Buchbach

Telephone no. +49 8086 933-100

Fax no. +49 8086 933-500

Information provided by / telephone Albert Kerbl GmbH Tel.: 0049-(0)8086-933-104 Email: bm@kerbl.com

E-mail address of person responsible info@kerbl.com

for this SDS

1.4. Emergency telephone number

Joint poison information center for the states of Mecklenburg-Western Pomerania, Saxony, Saxony-Anhalt and Thuringia c/o HELIOS Klinikum Erfurt Nordhäuser Strasse 74

Tel.: (03 61) 73 07 30 - Fax: (03 61) 7 30 73 17

E-Mail: ggiz@ggiz-erfurt.de - Internet: www.ggiz-erfurt.de

For England (NHS 111) call: 111

For Scotland (NHS24) call: 111

For Wales (NHS Direct) call: 111

When it's less urgent than: 999

For Northern Ireland call: GP Out-of-Hours (www.gpoutofhours.hscni.net)

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Aerosol 1 H222

H229

Eye Irrit. 2 H319

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

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Hazard pictograms *****Signal word *****

Danger

Hazard statements ***

H222 Extremely flammable aerosol.
 H229 Pressurized container: may burst if heated.
 H319 Causes serious eye irritation.

Precautionary statements ***

P102 Keep out of reach of children.
 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.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
 P501.9 Dispose of contents/container as problematic waste.
 EUH208 Contains Eucalyptus oil, May produce an allergic reaction.

2.3. Other hazards

Organic solvent vapours released by the product may cause drowsiness and dizziness. In high doses, the vapours cause headaches and symptoms of poisoning.

SECTION 3: Composition/information on ingredients *****3.2. Mixtures****Hazardous ingredients *******propan-2-ol**

CAS No.	67-63-0				
EINECS no.	200-661-7				
Concentration	>= 10	<	20	%	
Classification (Regulation (EC) No. 1272/2008)					
	Flam. Liq. 2				H225
	Eye Irrit. 2				H319
	STOT SE 3				H336

Eucalyptus oil

CAS No.	84625-32-1				
EINECS no.	283-406-2				
Concentration	>= 0,1	<	1	%	
Classification (Regulation (EC) No. 1272/2008)					
	Flam. Liq. 3				H226
	Asp. Tox. 1				H304
	Skin Sens. 1				H317
	Aquatic Chronic 2				H411

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EUH208

Further ingredients**ethanol**

CAS No. 64-17-5
 EINECS no. 200-578-6
 Registration no. 01-2119457610-43-XXXX
 Concentration >= 50 %
 Advice: [3]
 Classification (Regulation (EC) No. 1272/2008)
 Flam. Liq. 2 H225

Butane

CAS No. 106-97-8
 EINECS no. 203-448-7
 Concentration >= 50 %
 [3]
 Classification (Regulation (EC) No. 1272/2008)
 Flam. Gas 1 H220
 Press. Gas

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note C, U

propane

CAS No. 74-98-6
 EINECS no. 200-827-9
 Concentration >= 25 < 50 %
 [3]
 Classification (Regulation (EC) No. 1272/2008)
 Flam. Gas 1 H220
 Press. Gas

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note U

Isobutane

CAS No. 75-28-5
 EINECS no. 200-857-2
 Concentration >= 1 < 10 %
 [3]
 Classification (Regulation (EC) No. 1272/2008)
 Flam. Gas 1 H220
 Press. Gas

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note C, U

Note

[3] Substance with occupational exposure limits

Other information

Complete text of hazard statements in chapter 16

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

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In case of persistent symptoms consult doctor.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

Take off contaminated clothing. Wash off immediately with soap and water. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Remove contact lenses. Continue rinsing. In case of irritation consult an oculist.

After ingestion

Rinse mouth thoroughly with water. Do not induce vomiting - aspiration hazard. If you feel unwell, consult a doctor.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed**Hints for the physician / treatment**

Treat symptomatically.

Hints for the physician / hazards

No further relevant information available.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Dry powder, Foam, ABC powder, BC powder, Carbon dioxide

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible. Flammable aerosol. CAUTION: Aerosol cans can explode.

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus. Wear full protective suit.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations. Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Keep away sources of ignition. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective clothing. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

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Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. In case the product spills into sewage waters, immediately inform the authorities.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. Do not pick up with the help of saw-dust or other combustible substances. Containers in which spilt substance has been collected must be adequately labelled. Dispose of as prescribed.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide suitable exhaust ventilation at the processing machines. Avoid impact, friction and electro-static loading; risk of ignition!. Use explosion-proof apparatus and fittings. Keep container tightly closed.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition. No smoking. Take action to prevent static discharges. Avoid impact and friction. Use only explosion-proof equipment. Keep away from combustible material. Wear shoes with conductive soles.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value > 5 < 50 °C

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Provide solvent-resistant and impermeable floor.

Hints on storage assembly

Do not store with strong oxidizing agents.

Storage classes

Storage class according to TRGS 510	2B	Aerosol dispensers
Storage category (Switzerland)	2	Compressed or liquefied gases and gases dissolved under pressure.

Further information on storage conditions

Keep container tightly closed and in a well-ventilated place. Keep in a cool place

7.3. Specific end use(s)

Repellant

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Biological limit values

propan-2-ol

List	BGW (TRGS 903)
Value	25 mg/l
Parameter	acetone
Testing material	Whole blood (B)
Test date	End of exposure or end of shift (b)
Source	TRGS 903

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propan-2-ol

List	BGW (TRGS 903)
Value	25 mg/l
Parameter	acetone
Testing material	Urine (U)
Test date	End of exposure or end of shift (b)
Source	TRGS 903

Other information

There are not known any further control parameters.

8.2. Exposure controls**General protective and hygiene measures**

Do not smoke during work time. Hold eye wash fountain available. Hold emergency shower available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Take off immediately all contaminated clothing. Do not eat or drink during work time. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Respiratory protection

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

Hand protection

Use chemical-resistant gloves! Suitable for short-term use: 1,4mm Latex or 0,85mm Nitrile (Recommended: Kerbl Fletex (Latex), or Kerbl Chemex (Nitrile))
Hand protection must comply with EN 374.

Eye protection

Safety glasses with side protection shield; Eye protection must comply with EN 166.

Body protection

Clothing as usual in the chemical industry. Fire-resistant antistatic protective clothing; Protective shoes

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	Aerosol
Colour	brown
Odour	characteristic

Melting point

Remarks not determined

Freezing point

Remarks not determined

Boiling point or initial boiling point and boiling range

Remarks not determined

Flammability

not determined

Upper and lower explosive limits

Remarks not determined

Flash point

Remarks Not applicable

Ignition temperature

Remarks not determined

Decomposition temperature

Remarks not determined

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pH value

Remarks not determined

Viscosity

Remarks not determined

Solubility(ies)

Remarks not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

Vapour pressure

Remarks not determined

Density and/or relative density

Remarks not determined

Relative vapour density

Remarks not determined

9.2. Other information**Odour threshold**

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Solubility in water

Remarks miscible

Explosive properties

evaluation not determined

Oxidising properties

Remarks not determined

Other information

None known

SECTION 10: Stability and reactivity**10.1. Reactivity**

Heating can cause fire or explosion.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Sun exposure, high temperatures, ignition sources.

10.5. Incompatible materials

Strong oxidising agents

10.6. Hazardous decomposition products

Hazardous decomposition products should not be formed under normal storage and use conditions.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

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Acute oral toxicity

Remarks not determined

Acute oral toxicity (Components)**ethanol**

Species	rat				
LD50		11870	to	15010	mg/kg

propan-2-ol

Species	Rats (male/female)				
LD50		5840			mg/kg

Acute dermal toxicity

Remarks not determined

Acute dermal toxicity (Components)**ethanol**

Species	rabbit				
LD50		17100			mg/kg

propan-2-ol

Species	rabbit				
LD50		12800			mg/kg

Eucalyptus oil

Species	rabbit				
LD50	>	5000			mg/kg

Acute inhalational toxicity

Remarks not determined

Acute inhalative toxicity (Components)**ethanol**

Species	rat				
LC50		115,9	to	133,8	mg/l
Duration of exposure		4	h		

propan-2-ol

Species	Rats (male/female)				
LC50	>	10000			ppm(V)
Duration of exposure		6	h		

Butane

Species	mouse				
LC50		1237			mg/l

propane

Species	mouse				
LC50		1237			mg/l

Skin corrosion/irritation

Remarks Slight irritation of the skin cannot be excluded due to the product composition.

Serious eye damage/irritation

Remarks Causes serious eye irritation.

Sensitization

Remarks Based on available data, the classification criteria are not met.

Sensitization (Components)**Eucalyptus oil**

Remarks Allergic reaction possible.

Subacute, subchronic, chronic toxicity

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Remarks Based on available data, the classification criteria are not met.

Mutagenicity

Remarks Based on available data, the classification criteria are not met.

Reproductive toxicity

Remarks Based on available data, the classification criteria are not met.

Carcinogenicity

Remarks Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (STOT)**Single exposure**

Remarks Route of exposure inhalative
May cause drowsiness and dizziness.

Repeated exposure

Remarks Route of exposure inhalative
Prolonged or repeated inhalation of the vapours may cause damage to the central nervous system.

Specific Target Organ Toxicity (STOT) (Components)**propan-2-ol**

Remarks May cause drowsiness and dizziness.

11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

Experience in practice

Has a degreasing effect on the skin. When inhaled in larger quantities, the solvent vapours cause a narcotic effect. Inhalation of solvent vapours in higher concentration may lead to nausea, headache, drowsiness and dizziness.

Other information

There is no data available on the product apart from the information given in this subsection.

SECTION 12: Ecological information**12.1. Toxicity****General information**

not determined

Fish toxicity (Components)**ethanol**

Species	Fish				
LC50		14,2	to	15,4	g/l
Duration of exposure		96	h		

propan-2-ol

Species	Fish				
LC50		10000			mg/l
Duration of exposure		96	h		

Butane

Species	Fish				
LC50		24,11	to	147,54	mg/l

Daphnia toxicity (Components)**ethanol**

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Species	Daphnia magna		
EC50	12340		mg/l
Duration of exposure	48	h	

propan-2-ol

Species	Daphnia pulex		
LC50	> 10000		mg/l
Duration of exposure	24	h	

Algae toxicity (Components)**ethanol**

Species	Algae		
EC50	275		mg/l
Duration of exposure	72	h	

Butane

Species	Algae		
EC50	7,71	to	16,5 mg/l

12.2. Persistence and degradability**General information**

not determined

Biodegradability (Components)**ethanol**

Value	97		%
Duration of test	28	d	
Method	OECD Guideline 301 B		

propan-2-ol

Value	53		%
Duration of test	5	d	
Method	EU Method C.5		

Butane

Value	100		%
Duration of test	385,5	h	
Method	Biodegradation test, predates, OECD test		

propane

Value	100		%
Duration of test	385,5	h	
Method	Biodegradation test, predates, OECD test		

Isobutane

Value	100		%
Duration of test	385,5	h	
Method	Biodegradation test, predates, OECD test		

Eucalyptus oil

Value	82		%
Duration of test	28	d	
Method	OECD Guideline 301 F		

12.3. Bioaccumulative potential**General information**

not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

Octanol/water partition coefficient (log Pow) (Components)**ethanol**

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log Pow -0,31

12.4. Mobility in soil

General information

not determined

12.5. Results of PBT and vPvB assessment

General information

not determined

12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the environment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

General information

not determined

General information / ecology

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code 16 05 04* gases in pressure containers (including halons) containing dangerous substances

The listed waste code numbers, according to the European Waste Catalogue (EWC), are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information

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	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	D		
14.1. UN number	1950	1950	1950
14.2. UN proper shipping name	AEROSOLS	AEROSOLS	Aerosols, flammable
14.3. Transport hazard class(es)	2	2.1	2.1
Label			
Limited Quantity	1 I		
Transport category	2		
14.5. Environmental hazards	-		-

Information for all modes of transport

14.6. Special precautions for user

See Sections 6 to 8

Other information

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information

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

VOC

VOC (CH) 100 %

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Hazard statements listed in Chapter 3

EUH208	Contains <name of sensitising substance>. May produce an allergic reaction.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

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CLP categories listed in Chapter 3

Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 2	Flammable liquid, Category 2
Flam. Liq. 3	Flammable liquid, Category 3
Skin Sens. 1	Skin sensitization, Category 1
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.