

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 09.07.2014

Version: 1. 0

Revision: 09.07.2014

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

- **1.1 Product identifier**
- **Trade name:** Animedazon Spray
- **1.2 Relevant identified uses of the substance or mixture and uses advised against:**
- **Uses advised against:** -
- **Application of the substance / the preparation:** Veterinary drugs
- **1.3 Details of the supplier of the safety data sheet**
- **Supplier/Manufacturer:**
aniMedica GmbH
Im Südfeld 9
48308 Senden
Germany
- ☎ 0049 (0) 2536 33020
- **Email competent person:** sds@kft.de
- **Information department:** Product safety department.
- **1.4 Emergency telephone number:**
GIZ-Nord, Göttingen, Germany
+49 551 19240

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS07

Eye Irrit. 2	H319	Causes serious eye irritation.
STOT SE 3	H336	May cause drowsiness or dizziness.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



T; Toxic

R61: May cause harm to the unborn child.



Xi; Irritant

R36: Irritating to eyes.



F+; Extremely flammable

R12: Extremely flammable.

R67: Vapours may cause drowsiness and dizziness.

- **Information concerning particular hazards for human and environment:**

Warning! Pressurized container.
Has a narcotizing effect.

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- **Classification system:**

The classification was made according to the latest editions of the EC-lists and expanded using company data and specialized literature.

- **2.2 Label elements**

- **Labelling according to Regulation (EC) No 1272/2008** The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms**



GHS02 GHS07

- **Signal word** Danger

- **Hazard-determining components of labelling:**

propan-2-ol

- **Hazard statements**

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

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

- **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P251 Do not pierce or burn, even after use.

P211 Do not spray on an open flame or other ignition source.

P261 Avoid breathing spray.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

- **Special labelling of certain preparations:**

The requirements of the current version of directive 75/324/EEC for aerosols have to be observed.

- **Additional information:**

Contains 2.5 % of components with unknown hazards to the aquatic environment.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable

- **vPvB:** Not applicable

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterization: Mixtures**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 67-63-0 propan-2-ol

EINECS: 200-661-7 Xi R36; F R11

Index number: 603-117-00-0 R67

Reg.nr.: 01-2119457558-25-xxxx Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336

25-50%

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CAS: 106-97-8	butane, pure	20-25%
EINECS: 203-448-7	F+ R12	
Index number: 601-004-00-0	Flam. Gas 1, H220; Press. Gas, H280	
CAS: 75-28-5	isobutane	20-25%
EINECS: 200-857-2	F+ R12	
Index number: 601-004-01-8	Flam. Gas 1, H220; Press. Gas, H280	
CAS: 74-98-6	propane	20-25%
EINECS: 200-827-9	F+ R12	
Index number: 601-003-00-5	Flam. Gas 1, H220; Press. Gas, H280	
CAS: 106-98-9	but-1-ene	1-5%
EINECS: 203-449-2	F+ R12	
Index number: 601-012-00-4	Flam. Gas 1, H220; Press. Gas, H280	
CAS: 64-72-2	2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-	1-5%
EINECS: 200-591-7	3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, monohydrochloride, [4S-(4α,4aα,5aα,6β,12aα)]-	
	T Repr. Cat. 2 R61; Xn R62; Xi R36/37/38	
	Repr. 2, H361; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** If symptoms persist or in case of doubt, seek medical advice.
- **After inhalation:**
Supply fresh air or oxygen; call a doctor.
In case of unconsciousness, place patients on their side in a stable position for transportation.
- **After skin contact:** Wash with water and soap.
- **After eye contact:** Rinse the eyes with open eyelids for 10 - 15 minutes with water. Then consult a doctor (eye specialist).
- **After swallowing:**
Rinse mouth with water.
Spit liquid out again.
Never give anything by mouth to an unconscious person.
Do not induce vomiting.
Seek immediate medical advice.
If babies/toddlers are concerned, always consult a physician or the local Poison Information Centre.
- **4.2 Most important symptoms and effects, both acute and delayed** Irritation of eyes and mucous membrane
- **4.3 Indication of any immediate medical attention and special treatment needed** Symptomatic treatment

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** High volume water jet
- **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Vapours are heavier than air.
Vapours spread on the ground to a distant ignition source and flash back.
Carbon monoxide and carbon dioxide
Nitrogen oxides (NO_x)
Hydrogen chloride (HCl)

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Toxic pyrolyzates

· **5.3 Advice for firefighters**

· **Protective equipment:** Wear self-contained respiratory protective device.

· **Additional information:**

Heating leads to increased pressure and danger of bursting and explosion. Immediately cool neighbouring packages and containers with sprayed water and, if possible, remove them out of the danger zone.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

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

Wear protective clothing.

Avoid contact with eyes.

Do not breathe aerosol or vapors.

· **6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to penetrate the ground/soil.

In case of seepage into the ground inform responsible authorities.

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

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

Make sure to recycle or dispose of in suitable receptacles.

Absorb with non-combustible material like sand, soil or diatomite.

· **6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Do not breathe aerosol or vapors.

· **Information about protection against explosions and fires:**

Do not spray on flames or any incandescent material.



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

Observe the general rules of industrial fire protection.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

· **Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from feed.

Refer to national regulations for storing hazardous chemicals.

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- **Further information about storage conditions:**

Keep receptacle tightly sealed.
Do not seal receptacle gas-tight.
Store under cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.

- **Storage class:** 2B: Aerosol dispensers and lighters

- **7.3 Specific end use(s)** Follow the directions!

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:**

Install appropriate mechanical ventilation.
No further data; see section 7.

- **8.1 Control parameters**

- **Components with limit values that require monitoring at the workplace:**

67-63-0 propan-2-ol

WEL (Great Britain) Short-term value: 1250 mg/m³, 500 ppm
Long-term value: 999 mg/m³, 400 ppm

106-97-8 butane, pure

WEL (Great Britain) Short-term value: 1810 mg/m³, 750 ppm
Long-term value: 1450 mg/m³, 600 ppm
Carc (if more than 0.1% of buta-1.3-diene)

- **Additional information:** The lists that were valid during the creation were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures should be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Remove all soiled and contaminated clothing immediately.
Wash hands before breaks and at the end of work.
Avoid contact with eyes.
Provide eye bath.

The following instructions regarding the protective equipment refer to the industrial use of larger quantities.

- **Breathing equipment:**

In case of unintentional release of substance, exceeding the occupational exposure limit value:



In case of brief exposure or low pollution use a respiratory filter device. In case of intensive or longer exposure use a respiratory protective device that is independent of circulating air.

- **Protection of hands:**

For consumers normally not necessary. If direct and prolonged contact with product or its dilutions cannot be avoided, use of protective gloves is recommended.
Chemical resistant gloves (EN 374)

The glove material has to be impermeable and resistant to the product/substance/preparation.

Due to missing tests no recommendation to the glove material can be given for the product / preparation / chemical mixture.

Selection of the glove material in consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves:**

The selection of suitable gloves depends upon the material, and also upon the quality of the gloves. The degree of protection will vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material:**

The exact penetration time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**

Under normal conditions of use not required

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- According to hazard:
Tightly sealed goggles
· **Body protection:** Not required

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information:

· Appearance:

- | | |
|------------------|------------------------------------|
| Form: | Aerosol |
| Colour: | According to product specification |
| Odour: | Characteristic |
| Odour threshold: | Not determined |

- | | |
|-----------|----------------|
| pH-value: | Not determined |
|-----------|----------------|

· Change in condition:

- | | |
|------------------------------|----------------------------|
| Melting point/Melting range: | Not determined |
| Boiling point/Boiling range: | Not applicable, as aerosol |

- | | |
|--------------|----------------------------|
| Flash point: | Not applicable, as aerosol |
|--------------|----------------------------|

- | | |
|--------------------------------|----------------|
| Flammability (solid, gaseous): | Not applicable |
|--------------------------------|----------------|

· Ignition temperature:

- | | |
|----------------------------|----------------|
| Decomposition temperature: | Not determined |
|----------------------------|----------------|

- | | |
|----------------------------|-------------------------------|
| Self ignition temperature: | Product is not self-igniting. |
|----------------------------|-------------------------------|

- | | |
|----------------------|--|
| Danger of explosion: | Aerosol
Pressurized container
Do not pierce. |
|----------------------|--|

· Explosion limits:

- | | |
|--------|----------------|
| Lower: | Not applicable |
| Upper: | Not applicable |

- | | |
|------------------|----------------|
| Vapour pressure: | Not determined |
|------------------|----------------|

- | | |
|-------------------|----------------|
| Density: | Not determined |
| Relative density: | Not determined |
| Vapour density: | Not determined |
| Evaporation rate: | Not applicable |

- | | |
|---|-------------------|
| Solubility in / Miscibility with Water: | No data available |
|---|-------------------|

- | | |
|--|----------------|
| Partition coefficient (n-octanol/water): | Not determined |
|--|----------------|

· Viscosity:

- | | |
|------------|----------------|
| dynamic: | Not determined |
| kinematic: | Not determined |

- | | |
|-----------------------|---|
| 9.2 Other information | No further relevant information available |
|-----------------------|---|

SECTION 10: Stability and reactivity

- | | |
|-----------------|---|
| 10.1 Reactivity | No further relevant information available |
|-----------------|---|

· 10.2 Chemical stability

- | | |
|---|---|
| Thermal decomposition / conditions to be avoided: | No decomposition if used and stored according to specifications |
|---|---|

- | | |
|---|------------------------------|
| 10.3 Possibility of hazardous reactions | No dangerous reactions known |
|---|------------------------------|

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- **10.4 Conditions to avoid** No further relevant information available
- **10.5 Incompatible materials:**
 - Strong acids
 - Strong oxidants
 - Alkali metals
 - Aluminium
 - Iron
 - Amines
- **10.6 Hazardous decomposition products:**
 - No hazardous decomposition products if instructions for storage and handling are followed

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
 - There are no quantitative data available for the product itself.
- 64-72-2 2-Naphthacene-carboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, monohydrochloride, [4S-(4α,4aa,5aa,6β,12aa)]-**
- Oral LD₅₀ 2314 mg/kg (mouse)
- >5000 mg/kg (rat)
- **Primary irritant effect:**
- **on the skin:** No irritating effect
- **on the eye:** Irritating effect
- **On respiratory tract:** Light irritation possible
- **Sensitization:** No sensitizing effects known
- **Other information (about experimental toxicology):**
- **Carcinogenic, mutagenic effects and adverse effects on reproduction:**
 - One component is suspected of damaging the unborn child.
- **Subacute to chronic toxicity:**
- **STOT-single exposure** May cause drowsiness or dizziness.
- **STOT-repeated exposure:** No classification
- **Additional toxicological information:** Irritant

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available
- **12.2 Persistence and degradability** No further relevant information available
- **12.3 Bioaccumulative potential** No further relevant information available
- **12.4 Mobility in soil** No further relevant information available
- **Additional ecological information:**
- **General notes:**
 - Water hazard class 2 (German Regulation) (Self-assessment): hazardous to water
 - Do not allow product to reach ground water, water course or sewage system.
 - Danger to drinking water even if small quantities leak into the ground.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable
- **12.6 Other adverse effects** No further relevant information available

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SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Disposal according to instructions of local authorities

Must be recycled or disposed of according to the regulations. Waste has to be classified according to the European Waste Catalogue based on the identification of the waste generating source.

· European waste catalogue:

18 00 00 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)

18 02 00 wastes from research, diagnosis, treatment or prevention of disease involving animals

18 02 05* chemicals consisting of or containing dangerous substances

· Uncleaned packagings:

· Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN-Number

· ADR, IMDG, IATA UN1950

· 14.2 UN proper shipping name

· ADR 1950 AEROSOLS
 · IMDG AEROSOLS
 · IATA AEROSOLS, flammable

· 14.3 Transport hazard class(es)

· ADR



· Class 2 5F Gases
 · Label 2.1

· IMDG, IATA



· Class 2.1
 · Label 2.1

· 14.4 Packing group

· ADR, IMDG, IATA Void

· 14.5 Environmental hazards:

· Marine pollutant: No

· 14.6 Special precautions for user

Warning: Gases

· Danger code (Kemler):

-

· EMS Number:

F-D,S-U

· 14.7 Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code Not applicable

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· Transport/Additional information:	
· ADR	
· Limited quantities (LQ):	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· Transport category:	2
· Tunnel restriction code:	D
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· IATA	
· Remarks:	Packing Instructions: For Limited Quantities: Y203(Max Net Qty/Pkg: 30 kg G) Passenger and Cargo Aircraft: 203 (Max Net Qty/Pkg: 75 kg) Cargo Aircraft only: 203 (Max Net Qty/Pkg: 150 kg)
· UN "Model Regulation":	UN1950, AEROSOLS, 2.1

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

- | | |
|-----------|--|
| H220 | Extremely flammable gas. |
| H225 | Highly flammable liquid and vapour. |
| H280 | Contains gas under pressure; may explode if heated. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H361 | Suspected of damaging fertility or the unborn child. |
| | |
| R11 | Highly flammable. |
| R12 | Extremely flammable. |
| R36 | Irritating to eyes. |
| R36/37/38 | Irritating to eyes, respiratory system and skin. |
| R61 | May cause harm to the unborn child. |
| R62 | Possible risk of impaired fertility. |
| R67 | Vapours may cause drowsiness and dizziness. |

· Department issuing MSDS:

KFT Chemieservice GmbH
Im Leuschnerpark. 3 64347 Griesheim
Postfach 1451 64345 Griesheim
Germany

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Safety Data Sheet Service: +49 6155 86829-22

· **Contact:** Dr. Sonja Fischer· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Gas 1: Flammable gases, Hazard Category 1

Flam. Aerosol 1: Flammable aerosols, Hazard Category 1

Press. Gas: Gases under pressure: Compressed gas

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Repr. 2: Reproductive toxicity, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

· **Sources:** MSDSs of the suppliers

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