	Material Safety Data Sheet	Rev.date: 22.08.2022 Version 1
	DM Vet Chlorhexidine powder	Page: 1/8

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

1.1. Product Identifier

Trade Name: DM Vet Chlorhexidine powder-1%
Product- no.: ST59151(50g)

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

Recommended uses: Chlorhexidine powder for local disinfectant of scratches and skin care on the skin of dogs, cats and other animals

Uses advised against: Only to be used as described above, other applications must be in consultation with your veterinarian.

1.3. Details of the supplier of the safety data sheet

Company and address
Diafarm A/S
Ferrarivej 12
DK-7100 Vejle
Tel: +45 75 82 80 44

Contact person and E-mail: coa@ugmas.dk

1.4. Emergency telephone number

NHS: 111
Use your national or local emergency number - See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP (1272/2008): Aquatic Chronic 2; H411
See full text of H-phrases in section 16.

2.2. Label elements:




Signal word: -

H411: Toxic to aquatic life with long lasting effects.
P273: Avoid release to the environment

2.3. Other hazards: -

Additional labelling: -

Additional warnings: -

	Material Safety Data Sheet	Rev.date: 22.08.2022 Version 1
	DM Vet Chlorhexidine powder	Page: 2/8

SECTION 3: Composition/information on ingredients

3.1./3.2. Substances/Mixtures

ingredient	Index-no.	CAS/EU-no.	CLP Classification	W/W%	Note
Chlorhexidine dihydrochloride	-	3697-42-5/ 223-026-6	H410:Aquatic toxic(acute),M=10) Aquatic toxic(chronic):M:1) H319: Eye irr.2	≤1	
Zinc oxide	030-013-00-7	1314-13-2/ 215-222-5	H400;Aquatic acute 1,M=1 H410; Aquatic Chronic 1,,M=1	≤3	-

See full text of H-phrases in section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- Inhalation: Seek fresh air. Seek medical advice in case of discomfort.
- Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of discomfort.
- Skin contact: Intended for contact with skin.
- Eye contact: Flush with water (preferable using eye wash equipment) until the irritation subsides. Remove contact lenses. Seek medical advice if symptoms persistent
- Additional information:When obtaining medical advice, show the safety data sheet or label.
Symptoms: See section 11.

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

May cause slight irritation to the eyes.

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

When obtaining medical advice, show the safety data sheet or label.

SECTION 5: Firefighting measures

5.1. Extinguishing media


All extinguishing agents can be used. Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product is not flammable.

5.3. Advice for firefighters

If there is a risk of exposure to vapor and flue gases, a self-contained breathing apparatus must be worn.

	Material Safety Data Sheet	Rev.date: 22.08.2022 Version 1
	DM Vet Chlorhexidine powder	Page: 3/8

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Not relevant.

6.2. Environmental precautions

Do not discharge large quantities of concentrated spills and residue into drains. See section 12.

6.3. Methods and material for containment and cleaning up

Collect spillage and transfer to suitable waste containers. See section 13 for instructions on disposal.

6.4. Reference to other sections

See above.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not formate dust.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely and away from children. Keep in tightly closed original packaging.

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits according to EH40/2005 Workplace exposure limits (Fourth edition, 2020): -

DNEL and PNEC values:

DNEL- Zinc Oxide:

Workers:

Inhalation	Chronic Systemic	5mg/m ³
Inhalation	Chronic Local	0,5mg/m ³
Dermal	Chronic Systemic	83mg/kg bw/day

Consumers:


Inhalation	Chronic Systemic	2,5mg/kg bw/day
Dermal	Chronic Systemic	83 mg/kg bw/day
Oral	Chronic Systemic	0,83 mg/kg bw/day

PNEC – Zinc Oxide:

Freshwater	20,6 µg/L
Marine water	6,1µg/L
Soil	35,6mg/kg soil dw

DNEL- Chlorhexidine dihydrochloride

No data

	Material Safety Data Sheet	Rev.date: 22.08.2020 Version 1
	DM Vet Chlorhexidine powder	Page: 4/8

8.2. Exposure controls

There are no exposure scenarios for this product.

Appropriate engineering controls:

Wash hands after use.

Personal protective equipment:

Breathing equipment:	Not required.
Hand protection:	Not required.
Eye protection:	Not required.
Body and skin protection:	Not required.

Environmental exposure controls:

Not relevant.


SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	White powder
Odour:	Neutral
Odour threshold:	Not relevant
pH:	Not relevant
Melting point/ Freezing Point (°C):	Not relevant
Initial boiling point and boiling range (°C):	Not relevant
Flash point (°C):	Not flammable
Evaporation rate (n-BuAc=1):	Not relevant
Flammability (solid, gas):	Not relevant
Upper / lower flammability or explosion limits (vol-%):	Not relevant
Vapour pressure (mbar):	Not relevant
Vapour density (air=1)	Not relevant
Relative density(g/ml):	Not relevant
Solubility(ies):	Not soluble in water
Partition coefficient: n-octanol/water:	Not relevant
Auto-ignition temperature (°C):	Not relevant
Decomposition temperature (°C):	Not relevant
Viscosity (mm ² /sec):	Not relevant
Explosive properties:	Not relevant
Oxidising properties:	Not relevant

9.2. Other information

Soluble in fat:	Not relevant
Surface tension (mN/m,25°C)	Not relevant

	Material Safety Data Sheet	Rev.date: 22.08.2020 Version 1
	DM Vet Chlorhexidine powder	Page: 5/8

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

No risk of hazardous reactions..

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

No special precautions regarding contact with other materials at the recommended storage conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: No known hazards

Substance	Exposure	Art	Test	Results
Zinc Oxide	Oral	Rat	LD50	>2000mg/kg bw
Zinc Oxide	Inhalation	Rat	LD50/4h	>1,79mg/kg L
Zinc Oxide	Dermal	Rat	LD50	>2000mg/kg bw
Chlorhexidine dihydrochloride	Oral	Rat	LD50	>5110mg/kg bw
Chlorhexidine dihydrochloride	Inhalation	Rat	LD50/4h	No information
Chlorhexidine dihydrochloride	Dermal	Rat	LD50	No information

Skin corrosion/irritation: No known hazard.

Serious eye damage/irritation: May cause eye irritation.

Respiratory or skin sensitization: No known hazards

Germ cell mutagenicity: No known hazards


Carcinogenicity: No known hazards

Reproductive toxicity: No known hazards

STOT-single exposure: No known hazards

STOT-repeated exposure: No known hazards

Aspiration hazard: No known hazards

	Material Safety Data Sheet	Rev.date: 22.08.2022 Version 1
	DM Vet Chlorhexidine powder	Page: 6/8

SECTION 12: Ecological information

12.1. Toxicity

Substance	Test duration	Species	Test	Result
Zinc oxide	96 hours	Fish	LC50	1,793mg/L
Zinc oxide	48 hours	Daphnia	EC50	7,5mg/L
Zinc oxide	72 hours	Algae	EC50	1,12mg/L
Chlorhexidine dihydrochloride	96 hours	Fish	LC50	>1,0 - 1,8mg/L
Chlorhexidine dihydrochloride	48 hours	Daphnia	EC50	0,055mg/L
Chlorhexidine dihydrochloride	72 hours	Algae	EC50	0,062mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
No data	-	-	-

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
No data	-	-	-

12.4. Mobility in soil:

Test data are not available

12.5. Results of PBT and vPvB assessment

The mixture does not meet the criteria for PBT or vPvB.

12.6. Other adverse effects

Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste. Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

EWC Code:

18 02.05

Specific labelling: -

Contaminated packaging:

Uncleansed packaging is to be disposed of via the local waste-removal scheme.

SECTION 14: Transport information

The product is covered by the rules for transport of dangerous goods. According to ADR 2017 Substances/products covered by UN3077/UN3082 are not regarded as dangerous goods if carried in quantities of less than 5 kg(or 5L) due to SP 375.

14.1 -14.4.:


ADR

UN-no.:	Proper shipping name	Transport hazard class(es)	Packing group
3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, Solid,n.o.s(Zinc oxide+Chlorhexidiene dihydrochloride)	9	III

IMGD

UN-no.:	Proper shipping name	Transport hazard class(es)	Packing group
3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, Solid,n.o.s(Zinc oxide+Chlorhexidiene dihydrochloride)	9	III

"All intellectual rights and information in this document concerning formula, ingredients mixture ect. is reserved Diafarm. Unauthorised copying, lending ect. of this information is prohibited"

	Material Safety Data Sheet	Rev.date: 22.08.2022 Version 1
	DM Vet Chlorhexidine powder	Page: 7/8

14.5. Environmental hazards: -

If the quantity transported exceeds 5 kg or litre must be labelled with an environmental hazard

14.6. Special precautions for user: -

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

SECTION 15: Regulatory information

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

EH40/2005 WELs(United Kingdom(UK), 8/2007).

Restrictions for application: -

Demands for specific education: -

Additional labelling: -

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: Other information

Other information:

Sources:

EC regulation 1907/2006 (REACH).

Directive 2000/532/EC.

EC Regulation 1272/2008 (CLP).

Full text of H-phrases as mentioned in section 2+3:

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

H412 Harmful to aquatic life with long lasting effects

Classification according to Regulation (EC) Nr. 1272/2008:

Aquatic Chronic 2; H411	Calculation method
-------------------------	--------------------

Abbreviations and acronyms used in the safety data sheet:

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.

CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS-Number.: Chemical Abstracts Service number.

EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).

DNEL: Derived No Effect Level.

PNEC(s): Predicted No Effect Concentration(s).

STOT: Specific Target Organ Toxicity.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

LC50: Lethal Concentration to 50 % of a test population.

EC50: The effective concentration of substance that causes 50% of the maximum response.

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: Very Persistent and Very Bioaccumulative

Other: The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

“All intellectual rights and information in this document concerning formula, ingredients mixture ect. is reserved Diafarm. Unauthorised copying, lending ect. of this information is prohibited”