

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



NexGard® Chewables

Version	Revision Date:	SDS Number:	Date of last issue: 06.10.2025
3.2	06.01.2026	000000048961	Date of first issue: 28.10.2019

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

1.1 Product identifier

Trade name	: NexGard® Chewables
Synonyms	: NexGard® chewing tablets, NEXGARD® DOG, NEXGARD® Ecto, Frontline Nexgard, Afoxolaner 1.9% or 2.27% w/w Chewable Tablets, FRONTPRO®, NEXGARD® DOG S, NEXGARD® DOG M, NEXGARD® DOG L, NEXGARD® DOG XL, NEXGARD® DOG 11.3MG, NEXGARD® DOG 28.3MG, NEXGARD® DOG 68MG, NEXGARD® DOG 136MG, Frontpro 11.3MG chewable tablet, Frontpro 28.3MG chewable tablet, Frontpro 68MG chewable tablet, Frontpro 136MG chewable tablet with active ingredient: Afoxolaner

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

Use of the Substance/Mixture	: Veterinary product
Recommended restrictions on use	: Safety Data Sheet only for the professional user., For veterinary use only, Refer to the product insert for complete instructions on usage

1.3 Details of the supplier of the safety data sheet

Company	: Boehringer Ing. Pharma GmbH & Co.KG Binger Straße 173 55216 Ingelheim Germany
Telephone	: +498007790900
E-mail address of person responsible for the SDS	: EHS-Services@Boehringer-Ingelheim.com

1.4 Emergency telephone number

Int. Emergency Telephone number: +1 703-527-3887
German Emergency Telephone number: +49800 1817059

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Long-term (chronic) aquatic hazard, Category 3	H412: Harmful to aquatic life with long lasting effects.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



NexGard® Chewables

Version	Revision Date:	SDS Number:	Date of last issue: 06.10.2025
3.2	06.01.2026	000000048961	Date of first issue: 28.10.2019

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements : H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**

P261 Avoid breathing dust.
P273 Avoid release to the environment.
P280 Wear protective gloves.

Response:

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

Octadecanoic acid, 12-hydroxy-, polymer with alpha-hydro-omega-hydroxypoly(oxy-1,2-ethanediyl) (Average MW ca. = 1070 g/mol, EO = 16,6 mol)

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



NexGard® Chewables

Version 3.2 Revision Date: 06.01.2026 SDS Number: 000000048961 Date of last issue: 06.10.2025
Date of first issue: 28.10.2019

This drug is not subject to the labelling requirements under the Globally Harmonized System (GHS)
The pharmacological effect of the medicament has to be considered (see package leaflet).

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Mixture

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Octadecanoic acid, 12-hydroxy-, polymer with alpha-hydro-omega-hydroxypoly(oxy-1,2-ethanediyl) (Average MW ca. = 1070 g/mol, EO = 16,6 mol)	70142-34-6 680-598-3	Skin Sens. 1; H317	$\geq 1 - < 10$
Afoxolaner	1093861-60-9	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	$\geq 1 - < 2,5$

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
First Aid responders should pay attention to self-protection and use the recommended protective clothing
Remove from exposure, lie down.
Victim to lie down in the recovery position, cover and keep him warm.

If inhaled : Move to fresh air.

In case of skin contact : Wash off immediately with plenty of water.

In case of eye contact : Rinse immediately with plenty of water for at least 15 minutes.
Keep eye wide open while rinsing.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



NexGard® Chewables

Version	Revision Date:	SDS Number:	Date of last issue: 06.10.2025
3.2	06.01.2026	000000048961	Date of first issue: 28.10.2019

If swallowed : Rinse mouth.
Drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Risks : May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Observe the summary of product characteristics of proprietary medicinal products
Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Water mist
Dry chemical
Foam
Carbon dioxide (CO₂)

Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : In case of fire and/or explosion do not breathe fumes.

Hazardous combustion products : Carbon oxides

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Complete suit protecting against chemicals

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Wear personal protective equipment.
Ensure adequate ventilation.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



NexGard® Chewables

Version	Revision Date:	SDS Number:	Date of last issue: 06.10.2025
3.2	06.01.2026	000000048961	Date of first issue: 28.10.2019

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Pick up and transfer to properly labelled containers.

6.4 Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.
Advice on protection against fire and explosion : No special protective measures against fire required. The product is not flammable.

Hygiene measures : General industrial hygiene practice. Wash hands and face before breaks and immediately after handling the product.
Keep working clothes separately.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Refer to the product insert for instructions on storage.

Advice on common storage : Keep away from food, drink and animal feedingstuffs.
Observe joint storage prohibition.

Storage class (TRGS 510) : 11

7.3 Specific end use(s)

Specific use(s) : Consult the technical guidelines for the use of this substance/mixture.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-	25322-68-3	AGW (Inhalable fraction)	200 mg/m ³	DE TRGS 900
Peak-limit: excursion factor (category): 2;(II)				
Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child				
		MAK (inhalable	250 mg/m ³	Germany.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



NexGard® Chewables

Version 3.2 Revision Date: 06.01.2026 SDS Number: 000000048961 Date of last issue: 06.10.2025
Date of first issue: 28.10.2019

		fraction)		MAK BAT Annex IIa
	Peak-limit: excursion factor (category): 2; II			
	Further information: Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed			
glycerol	56-81-5	MAK (inhalable fraction)	200 ppm	Germany. MAK BAT Annex IIa
	Peak-limit: excursion factor (category): 2; I			
	Further information: Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed			
		AGW (Inhalable fraction)	200 mg/m3	DE TRGS 900
	Peak-limit: excursion factor (category): 2;(I)			
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

Components	Basis	Category	Values	Remarks
Afoxolaner 1093861-60-9	BIEL	3A	80 µg/m3	
	BIPC	1b		
Abbreviations: BIEL = Boehringer Ingelheim Exposure Limit (internal value) BI-STEL = Boehringer Ingelheim Short-Term Exposure Limit (Excursion limit) BIPC = Boehringer Ingelheim Pregnancy Category BIPC 1b: No risk of harm to the unborn is to be expected, when the exposure does not exceed the BIEL value. There is evidence in animals and/or humans that this material has the potential to cause harm to the unborn at exposure levels exceeding the BIEL value.				

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006

Substance name	End Use	Exposure routes	Potential health effects	Value
Glycerides, mixed decanoyl and octanoyl	Workers	Dermal	Long-term systemic effects	25,21 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	177,79 mg/m3
Glycerides, mixed decanoyl and octanoyl	Workers	Dermal	Long-term systemic effects	25,21 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	177,79 mg/m3

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006

Substance name	Environmental Compartment	Value
Glycerides, mixed decanoyl and octanoyl	Oral (Secondary Poisoning)	30 mg/kg
Afoxolaner	Water	3 µg/l
	Remarks:BI PNEC	
Afoxolaner	Water	3 µg/l
	Remarks:BI PNEC	

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



NexGard® Chewables

Version	Revision Date:	SDS Number:	Date of last issue: 06.10.2025
3.2	06.01.2026	000000048961	Date of first issue: 28.10.2019

Glycerides, mixed decanoyl and octanoyl	Oral (Secondary Poisoning)	30 mg/kg
---	----------------------------	----------

8.2 Exposure controls

Engineering measures

Local exhaust
Emergency sprinkling nozzle

Personal protective equipment

Eye/face protection	:	Safety glasses with side-shields (Not necessary when using full face mask)
Hand protection	:	
Material	:	Nitrile rubber
Glove thickness	:	0,43 mm
Protective index	:	Class 6
Remarks	:	The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.
Skin and body protection	:	Laboratory: laboratory coat; Factory: disposable Overall.
Respiratory protection	:	Respirator must be worn if exposed to dust. Respirator with a dust filter P3 filter
Protective measures	:	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Only use protective equipment in accordance with national/international regulations. Follow the national regulations about wearing personal protective equipment and the warranty given by the manufacturer for the safe function.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	solid
Form	:	tablet
Colour	:	red brown
Odour	:	No data available
Melting point/freezing point	:	111 - 150 °C
Boiling point/boiling range	:	Not applicable
Flammability (solid, gas)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



NexGard® Chewables

Version	Revision Date:	SDS Number:	Date of last issue: 06.10.2025
3.2	06.01.2026	000000048961	Date of first issue: 28.10.2019

Lower explosion limit / Lower flammability limit : No data available

Flash point : Not applicable

Auto-ignition temperature : No data available

Decomposition temperature : No data available

pH : No data available

Viscosity

Viscosity, dynamic : Not applicable

Viscosity, kinematic : Not applicable

Solubility(ies)

Water solubility : No data available

Partition coefficient: n-octanol/water : No data available

Vapour pressure : Not applicable

Relative density : No data available

Density : No data available

Bulk density : No data available

Relative vapour density : Not applicable

Particle characteristics

Particle size : No data available

9.2 Other information

Explosives : Not tested

Oxidizing properties : No data available

Self-ignition : 365 - 440 °C

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



NexGard® Chewables

Version	Revision Date:	SDS Number:	Date of last issue: 06.10.2025
3.2	06.01.2026	000000048961	Date of first issue: 28.10.2019

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Not classified due to lack of data.

Components:

Octadecanoic acid, 12-hydroxy-, polymer with alpha-hydro-omega-hydroxypoly(oxy-1,2-ethanediyl) (Average MW ca. = 1070 g/mol, EO = 16,6 mol):

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg
Assessment: The substance or mixture has no acute oral toxicity

Afoxolaner:

Acute oral toxicity : LD50 (Rat): > 1.000 mg/kg
Assessment: The substance or mixture has no acute oral toxicity
Remarks: Not classified due to inconclusive data.

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Not classified due to lack of data.

Components:

Octadecanoic acid, 12-hydroxy-, polymer with alpha-hydro-omega-hydroxypoly(oxy-1,2-ethanediyl) (Average MW ca. = 1070 g/mol, EO = 16,6 mol):

Species : Rabbit

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



NexGard® Chewables

Version	Revision Date:	SDS Number:	Date of last issue: 06.10.2025
3.2	06.01.2026	000000048961	Date of first issue: 28.10.2019

Method	:	OECD Test Guideline 404
Result	:	No skin irritation

Afoxolaner:

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No skin irritation

Serious eye damage/eye irritation

Not classified due to lack of data.

Components:

Octadecanoic acid, 12-hydroxy-, polymer with alpha-hydro-omega-hydroxypoly(oxy-1,2-ethanediyl) (Average MW ca. = 1070 g/mol, EO = 16,6 mol):

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	No eye irritation

Afoxolaner:

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	No eye irritation

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified due to lack of data.

Components:

Octadecanoic acid, 12-hydroxy-, polymer with alpha-hydro-omega-hydroxypoly(oxy-1,2-ethanediyl) (Average MW ca. = 1070 g/mol, EO = 16,6 mol):

Test Type	:	Maximisation Test
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	May cause sensitisation by skin contact.

Afoxolaner:

Test Type	:	Mouse Local Lymph Node Assay (LLNA)
Species	:	Mouse
Method	:	OECD Test Guideline 429
Result	:	Does not cause skin sensitisation.

Germ cell mutagenicity

Not classified due to lack of data.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



NexGard® Chewables

Version	Revision Date:	SDS Number:	Date of last issue: 06.10.2025
3.2	06.01.2026	000000048961	Date of first issue: 28.10.2019

Components:

Octadecanoic acid, 12-hydroxy-, polymer with alpha-hydro-omega-hydroxypoly(oxy-1,2-ethanediyl) (Average MW ca. = 1070 g/mol, EO = 16,6 mol):

Germ cell mutagenicity- Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Afoxolaner:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Concentration: 50-5.000 µg/plate
Metabolic activation: with and without metabolic activation
Result: negative

Test Type: Mouse lymphoma assay
Test system: mouse lymphoma cells
Concentration: 5-25 µg/mL
Result: negative

Genotoxicity in vivo : Test Type: Micronucleus test
Species: Mouse
Application Route: Oral
Dose: 500, 1.000, 2.000 mg/kg
Result: negative

Carcinogenicity

Not classified due to lack of data.

Components:

Afoxolaner:

Remarks : No data available

Reproductive toxicity

Not classified due to lack of data.

Components:

Afoxolaner:

Effects on fertility : Test Type: Fertility
Species: Rat
Application Route: Ingestion
Dose: 1,5,20 milligram per kilogram
General Toxicity - Parent: NOAEL: 5 mg/kg body weight
General Toxicity F1: NOAEL: 5 mg/kg body weight
Fertility: NOAEL: 5 mg/kg body weight
Remarks: Not classified due to data which are conclusive although insufficient for classification.

Effects on foetal development : Test Type: Embryo-foetal development
Species: Rat
Application Route: Oral

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



NexGard® Chewables

Version	Revision Date:	SDS Number:	Date of last issue: 06.10.2025
3.2	06.01.2026	000000048961	Date of first issue: 28.10.2019

Dose: 3, 10, 25 milligram per kilogram
General Toxicity Maternal: NOAEL: 3 mg/kg body weight
Embryo-foetal toxicity: NOAEL: 10 mg/kg body weight
Result: No teratogenic effects

Test Type: Embryo-foetal development
Species: Rabbit
Application Route: Oral
Dose: 3, 15, 45 milligram per kilogram
General Toxicity Maternal: NOAEL: 45 mg/kg body weight
Embryo-foetal toxicity: NOAEL: 45 mg/kg body weight
Result: No teratogenic effects

STOT - single exposure

Not classified due to lack of data.

Components:

Afoxolaner:

Remarks : Not classified due to data which are conclusive although insufficient for classification.

STOT - repeated exposure

Not classified due to lack of data.

Components:

Afoxolaner:

Remarks : Not classified due to data which are conclusive although insufficient for classification.

Repeated dose toxicity

Components:

Afoxolaner:

Species : Rat
NOAEL : 10 mg/kg
Application Route : Oral
Exposure time : 13 weeks
Dose : 3, 10, 50 mg/kg

Species : Rat
NOAEL : 10 mg/kg
Application Route : Dermal
Exposure time : 8 weeks
Dose : 3 - 60 mg/kg

Aspiration toxicity

Not classified due to lack of data.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



NexGard® Chewables

Version	Revision Date:	SDS Number:	Date of last issue: 06.10.2025
3.2	06.01.2026	000000048961	Date of first issue: 28.10.2019

Components:

Afoxolaner:

No data available

11.2 Information on other hazards

Endocrine disrupting properties

Not classified due to lack of data.

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Further information

Components:

Afoxolaner:

Remarks : No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

Octadecanoic acid, 12-hydroxy-, polymer with alpha-hydro-omega-hydroxypoly(oxy-1,2-ethanediyl) (Average MW ca. = 1070 g/mol, EO = 16,6 mol):

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): > 100 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 100 mg/l
aquatic invertebrates : Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
plants : End point: Growth rate
Exposure time: 72 h
Method: OECD Test Guideline 201

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



NexGard® Chewables

Version	Revision Date:	SDS Number:	Date of last issue: 06.10.2025
3.2	06.01.2026	000000048961	Date of first issue: 28.10.2019

Toxicity to microorganisms : EC20 (activated sludge): > 1.000 mg/l
Method: OECD Test Guideline 209

Afoxolaner:

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,3 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

NOEC (Daphnia magna (Water flea)): 0,18 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : NOEC (Raphidocelis subcapitata (freshwater green alga)): 0,098 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
Remarks: No toxicity at the limit of solubility

EC50 (Raphidocelis subcapitata (freshwater green alga)): > 0,098 mg/l
End point: Biomass
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
Remarks: No toxicity at the limit of solubility

EC50 (Raphidocelis subcapitata (freshwater green alga)): > 0,098 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
Remarks: No toxicity at the limit of solubility

NOEC (Raphidocelis subcapitata (freshwater green alga)): 0,098 mg/l
End point: Biomass
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
Remarks: No toxicity at the limit of solubility

M-Factor (Acute aquatic toxicity) : 1

Toxicity to microorganisms : Remarks: No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



NexGard® Chewables

Version	Revision Date:	SDS Number:	Date of last issue: 06.10.2025
3.2	06.01.2026	000000048961	Date of first issue: 28.10.2019

Toxicity to fish (Chronic toxicity) : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: No data available

M-Factor (Chronic aquatic toxicity) : 1

12.2 Persistence and degradability

Components:

Octadecanoic acid, 12-hydroxy-, polymer with alpha-hydro-omega-hydroxypoly(oxy-1,2-ethanediyl) (Average MW ca. = 1070 g/mol, EO = 16,6 mol):

Biodegradability : Result: Readily biodegradable.
Biodegradation: 90 - 100 %
Exposure time: 21 d
Method: OECD Test Guideline 301A

Afoxolaner:

Biodegradability : Result: No data available

12.3 Bioaccumulative potential

Components:

Octadecanoic acid, 12-hydroxy-, polymer with alpha-hydro-omega-hydroxypoly(oxy-1,2-ethanediyl) (Average MW ca. = 1070 g/mol, EO = 16,6 mol):

Partition coefficient: n-octanol/water : Remarks: No data available

Afoxolaner:

Bioaccumulation : Remarks: An appreciable bioaccumulation potential is to be expected ($\log P(o/w) > 3$).

Partition coefficient: n-octanol/water : $\log P_{ow}$: 5,15

12.4 Mobility in soil

Components:

Afoxolaner:

Distribution among environmental compartments : Remarks: No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



NexGard® Chewables

Version	Revision Date:	SDS Number:	Date of last issue: 06.10.2025
3.2	06.01.2026	000000048961	Date of first issue: 28.10.2019

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Components:

Afoxolaner:

Additional ecological information : No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.

Contaminated packaging : Packs that cannot be cleaned should be disposed of in the same manner as the contents.
Uncontaminated packaging can be recycled.

SECTION 14: Transport information

14.1 UN number or ID number

ADR : Not regulated as a dangerous good

RID : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA : Not regulated as a dangerous good

14.2 UN proper shipping name

ADR : Not regulated as a dangerous good

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



NexGard® Chewables

Version 3.2	Revision Date: 06.01.2026	SDS Number: 000000048961	Date of last issue: 06.10.2025 Date of first issue: 28.10.2019
----------------	------------------------------	-----------------------------	---

RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good
IATA	: Not regulated as a dangerous good

14.3 Transport hazard class(es)

ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good
IATA	: Not regulated as a dangerous good

14.4 Packing group

ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good
IATA (Cargo)	: Not regulated as a dangerous good
IATA (Passenger)	: Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	: Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	: Not applicable
Regulation (EU) No 2024/590 on substances that deplete the ozone layer	: Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	: Not applicable
Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	: Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	: Not applicable

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



NexGard® Chewables

Version	Revision Date:	SDS Number:	Date of last issue: 06.10.2025
3.2	06.01.2026	000000048961	Date of first issue: 28.10.2019

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Not applicable

Water hazard class (Germany) : WGK 3 highly hazardous to water
Classification according to AwSV, Annex 1 (5.2)

TA Luft List (Germany) : 5.2.1: Total dust:
others: 27,75 % Polyvinyl pyrrolidone, starch
5.2.5: Organic Substances:
Class 1: 2,27 % Afoxolaner

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control)
Volatile organic compounds (VOC) content: 13,45 %

Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control)
Volatile organic compounds (VOC) content: 13,45 %

Other regulations:

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

The components of this product are reported in the following inventories:

TCSI	: Not in compliance with the inventory
TSCA	: Product contains substance(s) not listed on TSCA inventory.
AIIC	: Not in compliance with the inventory
CA. DSL	: This product contains the following components that are not on the Canadian DSL nor NDSL. Afoxolaner
ENCS	: Not in compliance with the inventory
ISHL	: Not in compliance with the inventory
KECI	: Not in compliance with the inventory
PICCS	: Not in compliance with the inventory
IECSC	: Not in compliance with the inventory
NZIoC	: Not in compliance with the inventory

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



NexGard® Chewables

Version	Revision Date:	SDS Number:	Date of last issue: 06.10.2025
3.2	06.01.2026	000000048961	Date of first issue: 28.10.2019

TECI : Not in compliance with the inventory

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

SECTION 16: Other information

Full text of H-Statements

H317	: May cause an allergic skin reaction.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Skin Sens.	: Skin sensitisation
DE TRGS 900	: Germany. TRGS 900 - Occupational exposure limit values.
DE TRGS 900 / AGW	: Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI -

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



NexGard® Chewables

Version	Revision Date:	SDS Number:	Date of last issue: 06.10.2025
3.2	06.01.2026	000000048961	Date of first issue: 28.10.2019

Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Training advice : Provide adequate information, instruction and training for operators.

Sources of key data used to compile the Safety Data Sheet : The specifications are based on own tests and/or literature data.

Classification of the mixture:

Skin Sens. 1 H317

Aquatic Chronic 3 H412

Classification procedure:

Calculation method

Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

DE / EN