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

1.1 Product identifier Trade name	:	Febantel / Pyrantel Pamoate / Praziquantel Formulation
1.2 Relevant identified uses of Use of the Sub- stance/Mixture	the s :	substance or mixture and uses advised against Veterinary product
Recommended restrictions on use	:	Not applicable
1.3 Details of the supplier of the	e saf	ety data sheet
Company	:	MSD Kilsheelan Clonmel Tipperary, IE
Telephone	:	353-51-601000
E-mail address of person responsible for the SDS	:	EHSDATASTEWARD@msd.com
1.4 Emergency telephone numl +1-908-423-6000	oer	

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)					
Long-term (chronic) aquatic hazard, Cat- egory 1	H410: Very toxic to aquatic life with long lasting effects.				

2.2 Label elements

Signal word

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms

¥2
Warning

Hazard statements	:	H410	Very toxic to aquatic life with long lasting effects.
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Preca	utionary statements	Preve		ase to the environment.
		Respo	onse:	
		P391	Collect spi	illage.

Additional Labelling

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 21,82 %

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.

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.

Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin. May form explosive dust-air mixture during processing, handling or other means.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Febantel	58306-30-2 261-205-0	Acute Tox. 4; H302 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 10 Acute toxicity esti- mate	>= 20 - < 25



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naph	nethylenebis[3-hydrox thoic] acid, compound	with (E)-	22204-24-6 244-837-1	 Acute oral toxicity: 1.250 mg/kg	>= 20 - < 30
	,6-tetrahydro-1-methyl yl)vinyl]pyrimidine (1:1				
	quantel		55268-74-1 259-559-6	Aquatic Chronic 3; H412	>= 2,5 - < 10

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 ad- vice immediately. When symptoms persist or in all cases of doubt seek medical advice.
Protection of first-aiders	:	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
If inhaled	:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact	:	Wash with water and soap. Get medical attention if symptoms occur.
In case of eye contact	:	If in eyes, rinse well with water. Get medical attention if irritation develops and persists.
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
4.2 Most important symptoms a	ind e	effects, both acute and delayed
Risks	:	Contact with dust can cause mechanical irritation or drying of the skin. Dust contact with the eyes can lead to mechanical irritation.
4.3 Indication of any immediate	me	dical attention and special treatment needed

: Treat symptomatically and supportively.



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SECTION 5: Firefighting measures

5.1 Extinguishing media		
Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
5.2 Special hazards arising from	the	e substance or mixture
Specific hazards during fire- fighting	:	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides Nitrogen oxides (NOx) Sulphur oxides
5.3 Advice for firefighters		
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
6.2 Environmental precautions Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.



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6.3 Methods and material for containment and cleaning up

	Methods for cleaning up	:	 Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.
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6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures	: Static electricity may accumulate and ignite suspended dust causing an explosion.	
	Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.	
Local/Total ventilation	: Use only with adequate ventilation.	
Advice on safe handling	: Do not breathe dust.	
· · · · · · · · · · · · · · · · · · ·	Do not swallow.	
	Avoid contact with eyes.	
	Avoid prolonged or repeated contact with skin.	
	Handle in accordance with good industrial hygiene and safety	/
	practice, based on the results of the workplace exposure as- sessment	
	Minimize dust generation and accumulation.	
	Keep container closed when not in use.	
	Keep away from heat and sources of ignition.	
	Take precautionary measures against static discharges.	
	Take care to prevent spills, waste and minimize release to the environment.	е
Hygiene measures	: If exposure to chemical is likely during typical use, provide ey	
riygiche measures	flushing systems and safety showers close to the working	
	place. When using do not eat, drink or smoke. Wash contami nated clothing before re-use.	-
	The effective operation of a facility should include review of	
	engineering controls, proper personal protective equipment,	
	appropriate degowning and decontamination procedures,	
	industrial hygiene monitoring, medical surveillance and the use of administrative controls.	



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7.2 Cond	itions for safe storage,	inc	luding any incom	patibilities
•	uirements for storage s and containers	:		labelled containers. Store in accordance with ional regulations.
Advi	ce on common storage	:	Do not store with Strong oxidizing	the following product types: agents
•	i fic end use(s) cific use(s)	:	No data available	

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Dust

5 mg/m3 Value type (Form of exposure): TWA (respirable dust) Basis: FOR-2011-12-06-1358

10 mg/m3 Value type (Form of exposure): TWA (total dust) Basis: FOR-2011-12-06-1358

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
4,4'- methylenebis[3- hydroxy-2- naphthoic] acid, compound with (E)-1,4,5,6- tetrahydro-1- methyl-2-[2-(2- thienyl)vinyl]pyrimi dine (1:1)	22204-24-6	TWA	250 μg/m3 (OEB 2)	Internal
praziquantel	55268-74-1	TWA	0.5 mg/m3 (OEB 2)	Internal

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

Substance name	Environmental Compartment	Value
praziquantel	Water	0,03 mg/l

8.2 Exposure controls

Engineering measures

All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment.



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and t vices	to prevent migration of			mpounds are required to control at source rolled areas (e.g., open-face containment de-
Pers	onal protective equip	ment		
Eye/	face protection	:	If the work enviro mists or aerosols Wear a faceshiel	ses with side shields or goggles. Inment or activity involves dusty conditions, I, wear the appropriate goggles. I or other full face protection if there is a et contact to the face with dusts, mists, or
Hand	d protection			
М	laterial	:	Chemical-resistar	nt gloves
	emarks and body protection	:	being performed suits) to avoid exp	aboratory coat. arments should be used based upon the task (e.g., sleevelets, apron, gauntlets, disposable posed skin surfaces. degowning techniques to remove potentially
Resp	piratory protection	:	If adequate local sure assessment ommended guide	exhaust ventilation is not available or expo- demonstrates exposures outside the rec- lines, use respiratory protection. d conform to NS EN 143
Fi	ilter type	:	Particulates type	

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	powder
Colour	:	yellow
Odour	:	No data available
Odour Threshold	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flammability (solid, gas)	:	May form explosive dust-air mixture during processing, han- dling or other means.
Flammability (liquids)	:	Not applicable
Upper explosion limit / Upper	:	No data available

Commission Regulation (EU) 2020/878



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	flamma	bility limit			
		explosion limit / Lower bility limit	:	No data available	9
	Flash p	oint	:	Not applicable	
	Auto-ig	nition temperature	:	No data available	9
	Decom	position temperature	:	No data available	9
	рН		:	No data available	9
	Viscosi Visc	ty cosity, kinematic	:	Not applicable	
	Solubili Wat	ty(ies) er solubility	:	No data available	9
	Partition octanol	n coefficient: n- /water	:	Not applicable	
	Vapour	pressure	:	Not applicable	
	Relative	e density	:	No data available	9
	Density	,	:	No data available	9
	Relative	e vapour density	:	Not applicable	
		e characteristics icle size	:	No data available	9
9.2		formation			
	Explosi		:	Not explosive	
		ng properties	:		r mixture is not classified as oxidizing.
	Evapor	ation rate	:	Not applicable	
	Molecu	lar weight	:	No data available	9

SECTION 10: Stability and reactivity

10.1 Reactivity

Not classified as a reactivity hazard.



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10.2 Che	emical stability			
Stal	ole under normal conditior	ns.		
10.3 Pos	sibility of hazardous rea	actions		
Haz	ardous reactions	dlin	g or other me	ve dust-air mixture during processing, han- ans. rong oxidizing agents.
10.4 Co	nditions to avoid			
Cor	ditions to avoid		at, flames and bid dust forma	
10.5 Inc	ompatible materials			
	erials to avoid	: Oxi	dizing agents	
	ardous decomposition			
No	hazardous decomposition	products	are known.	
SECTIC	N 11: Toxicological in	ofrmati	on	
Info	rmation on hazard class rmation on likely routes of osure	: Inha Skin Inge	etined in Reg lation contact estion contact	ulation (EC) No 1272/2008
Αςι	ite toxicity	-		
	classified based on availa	able inforr	nation.	
Pro	duct:			
Acu	te oral toxicity		te toxicity estin nod: Calculatio	mate: > 2.000 mg/kg on method
Cor	nponents:			
Feb	antel:			
	te oral toxicity	: LD5	0 (Rabbit): 1.2	250 mg/kg
Acu	te dermal toxicity	: LD5	0 (Rabbit): > 2	2.000 mg/kg
	-methylenebis[3-hydrox hyl-2-[2-(2-thienyl)vinyl]			ompound with (E)-1,4,5,6-tetrahydro-1-
Acu	te oral toxicity	: LD5	0 (Rat): > 24.0	000 mg/kg
		LD5	0 (Mouse): > 2	24.000 mg/kg
		LD5	0 (Dog): 2.000) mg/kg



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prazi	quantel:			
Acute	e oral toxicity	: L[050 (Rat): 2.48	30 mg/kg
		L	050 (Mouse): 2	2.454 mg/kg
		L	050 (Dog): > 2	00 mg/kg
		L	050 (Rabbit): 1	1.050 mg/kg
	corrosion/irritation lassified based on ava	ailable info	ormation.	
	ponents:			
Feba	ntel:			
Speci			abbit	
Resu	lt	: N	o skin irritation	
prazi	quantel:			
Speci			abbit	
Metho Rema			aize Test ght irritation	
Not c	ies	ailable info	ormation. abbit o eye irritation	
prazi	quantel:			
Speci			abbit	
Metho Resu			aize Test ild eye irritatio	n
Resp	iratory or skin sensi	tisation		
	sensitisation lassified based on ava	ailable info	ormation.	
Resp	iratory sensitisation			
Not c	lassified based on ava	ailable info	ormation.	
<u>Com</u>	ponents:			
prazi	quantel:			

: Maximisation Test

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



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Expos Speci Resul		:	Dermal Guinea pig Not a skin sensiti	zer.
	cell mutagenicity lassified based on ava	ailable	information.	
<u>Com</u>	oonents:			
Feba	ntel:			
Geno	toxicity in vitro	:	Test Type: Bacte Result: negative	rial reverse mutation assay (AMES)
				damage and repair, unscheduled DNA syn lian cells (in vitro)
Geno	toxicity in vivo	:	Test Type: Mamr cytogenetic assa Species: Mouse Application Route Result: negative	
meth	nethylenebis[3-hydro yl-2-[2-(2-thienyl)vin		midine (1:1):	compound with (E)-1,4,5,6-tetrahydro-1-
Geno	toxicity in vitro	:	Result: negative	rial reverse mutation assay (AMES)
		:		rial reverse mutation assay (AMES)
prazie	toxicity in vitro quantel: toxicity in vitro	:	Result: negative	rial reverse mutation assay (AMES) rial reverse mutation assay (AMES)
prazie	quantel:	:	Result: negative Test Type: Bacte Result: negative Test Type: Chror	
prazi e Geno	quantel:	:	Result: negative Test Type: Bacte Result: negative Test Type: Chror Test system: Chi	rial reverse mutation assay (AMES) nosomal aberration nese hamster cells
prazi e Geno Geno	quantel: toxicity in vitro toxicity in vivo	:	Result: negative Test Type: Bacte Result: negative Test Type: Chror Test system: Chi Result: negative Test Type: Micro Species: Rat Result: negative	rial reverse mutation assay (AMES) nosomal aberration nese hamster cells
prazi e Geno Geno Carci Not cl	quantel: toxicity in vitro toxicity in vivo nogenicity lassified based on ava	:	Result: negative Test Type: Bacte Result: negative Test Type: Chror Test system: Chi Result: negative Test Type: Micro Species: Rat Result: negative	rial reverse mutation assay (AMES) nosomal aberration nese hamster cells
prazie Geno Geno Carci Not cl <u>Com</u>	quantel: toxicity in vitro toxicity in vivo nogenicity lassified based on ava	:	Result: negative Test Type: Bacte Result: negative Test Type: Chror Test system: Chi Result: negative Test Type: Micro Species: Rat Result: negative	rial reverse mutation assay (AMES) nosomal aberration nese hamster cells
prazie Geno Geno Carci Not cl <u>Comp</u> Feba	quantel: toxicity in vitro toxicity in vivo nogenicity lassified based on ava <u>ponents:</u> ntel:	:	Result: negative Test Type: Bacte Result: negative Test Type: Chror Test system: Chi Result: negative Test Type: Micro Species: Rat Result: negative information.	rial reverse mutation assay (AMES) nosomal aberration nese hamster cells
prazio Geno Geno Carci Not cl <u>Comp</u> Febar Speci	quantel: toxicity in vitro toxicity in vivo nogenicity lassified based on ava <u>ponents:</u> ntel:	:	Result: negative Test Type: Bacte Result: negative Test Type: Chror Test system: Chi Result: negative Test Type: Micro Species: Rat Result: negative	rial reverse mutation assay (AMES) nosomal aberration nese hamster cells
prazie Geno Geno Carci Not cl Comp Febar Speci Applio	quantel: toxicity in vitro toxicity in vivo nogenicity lassified based on ava <u>conents:</u> ntel: les cation Route sure time	:	Result: negative Test Type: Bacte Result: negative Test Type: Chror Test system: Chi Result: negative Test Type: Micro Species: Rat Result: negative information.	rial reverse mutation assay (AMES) nosomal aberration nese hamster cells

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



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praziquantel:

Species	: Hamster
Application Route	: Oral
Exposure time	: 80 weeks
NÓAEL	: 100 mg/kg body weight
Result	: negative
Remarks	: No significant adverse effects were reported
Species	: Rat
Species Application Route	: Rat : Oral
Species Application Route Exposure time	
Application Route	: Oral
Application Route Exposure time	: Oral : 104 weeks

Reproductive toxicity

Not classified based on available information.

Components:

Febantel:		
Effects on fertility	:	Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Method: OECD Test Guideline 416 Result: negative
Effects on foetal develop- ment	:	Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Method: OECD Test Guideline 416 Result: negative

4,4'-methylenebis[3-hydroxy-2-naphthoic] acid, compound with (E)-1,4,5,6-tetrahydro-1-methyl-2-[2-(2-thienyl)vinyl]pyrimidine (1:1):

Effects on foetal develop- ment	Test Type: Embryo-foetal development Species: Rat Application Route: Oral Developmental Toxicity: NOAEL: 3.000 mg/kg body weight Result: No effects on fertility and early embryonic develop- ment were detected.
	Test Type: Embryo-foetal development Species: Rabbit Application Route: Oral Developmental Toxicity: NOAEL: 1.000 mg/kg body weight Result: No effects on fertility and early embryonic develop- ment were detected.



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praz	iquantel:					
Effects on fertility		Species: Rat	: Test Type: Fertility Species: Rat Remarks: No significant adverse effects were reported			
		Test Type: Ferti Species: Mouse Remarks: No sig				
Effects on foetal develop- ment		Species: Rat				
		Species: Mouse	Test Type: Development Species: Mouse Remarks: No significant adverse effects were reported			

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Repeated dose toxicity

Components:

4,4'-methylenebis[3-hydroxy-2-naphthoic] acid, compound with (E)-1,4,5,6-tetrahydro-1methyl-2-[2-(2-thienyl)vinyl]pyrimidine (1:1):

Species NOAEL LOAEL Application Route Exposure time Remarks		Dog 10 mg/kg 30 mg/kg Ingestion 3 d No significant adverse effects were reported
Species NOAEL Application Route Exposure time Remarks	:	Dog 600 mg/kg Oral 19 d No significant adverse effects were reported
Species NOAEL Application Route Exposure time Remarks		Dog 600 mg/kg Oral 30 d No significant adverse effects were reported
Species NOAEL Application Route Exposure time	:	Dog 600 mg/kg Oral 90 d

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Remarks		:	No significant a	dverse effects were reported
praz	iquantel:			
Spec NOA Appl Rem	EL ication Route	:	Rat 1.000 mg/kg Oral No significant a	dverse effects were reported
Species NOAEL LOAEL Application Route Target Organs Remarks		: : : : : : : : : : : : : : : : : : : :	Dog 60 mg/kg 180 mg/kg Oral Gastrointestinal No significant a	tract dverse effects were reported

Aspiration toxicity

Not classified based on available information.

11.2 Information on other hazards

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.

Experience with human exposure

Components:

4,4'-methylenebis[3-hydroxy-2-naphthoic] acid, compound with (E)-1,4,5,6-tetrahydro-1- methyl-2-[2-(2-thienyl)vinyl]pyrimidine (1:1):				
Ingestion	:	Symptoms: Abdominal pain, Nausea, Vomiting, Diarrhoea, Headache, Dizziness, Fever		
praziquantel:				
Inhalation	:	Symptoms: Headache, Tiredness, Dizziness, Gastrointestinal discomfort, decrease body temperature, Allergic reactions		

SECTION 12: Ecological information

12.1 Toxicity

Components:

Febantel:

Toxicity to fish

: LC50 (Danio rerio (zebra fish)): > 100 mg/l



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				Exposure time: 96	3 h	
		<i>t</i> to daphnia and other invertebrates	:	EC50 (Daphnia magna (Water flea)): 0,2 mg/l Exposure time: 48 h		
	Toxicity to algae/aquatic plants		:	ErC50 (Desmodesmus subspicatus (green algae)): > 0,43 mg/l Exposure time: 72 h Method: OECD Test Guideline 201		
	M-Factor (Acute aquatic tox- icity)		:	1		
		/ to daphnia and other invertebrates (Chron- ity)	:	Method: OECD Te	d magna (Water flea)	
	M-Factor (Chronic aquatic toxicity)		:	10		
	4,4'-methylenebis[3-hydrox methyl-2-[2-(2-thienyl)vinyl]				ompound with (E)-1,4,5,6-tetrahydro-1-	
	Ecotox	cicology Assessment				
		aquatic toxicity	:	Toxic effects cann	not be excluded	
	Chronic aquatic toxicity		:	Toxic effects cannot be excluded		
	praziqu	uantel:				
	Toxicity		:	LC50 (Carassius a Exposure time: 96 Method: OECD Te		
				LC50 (Danio rerio Exposure time: 96 Method: OECD Te		
		<i>r</i> to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te		
	Toxicity	<i>i</i> to microorganisms	:	Exposure time: 3	ation inhibition of activated sludge	

12.2 Persistence and degradability

No data available



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12.3 Bioaccumulative potential

Components:

Febantel:

Partition coefficient: n-	:	log Pow: 1,95
octanol/water		Remarks: Calculation

praziquantel:

Partition coefficient: n-	:	log Pow: 2,012
octanol/water		pH: 7

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

|--|

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.

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.

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	 Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.
	Do not dispose of waste into sewer.
Contaminated packaging	: Empty containers should be taken to an approved waste han- dling site for recycling or disposal.
	If not otherwise specified: Dispose of as unused product.



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SECTION	V 14: Transport infor	mat	ion		
14.1 UN n	umber or ID number				
ADN		:	UN 3077		
ADR		:	UN 3077		
RID		:	UN 3077		
IMDG	ì	:	UN 3077		
ΙΑΤΑ		:	UN 3077		
14.2 UN p	roper shipping name				
ADN		:	ENVIRONMENT N.O.S. (Febantel)	LLY HAZARDOUS SUBSTANCE	E, SOLID,
ADR		:	ENVIRONMENT N.O.S. (Febantel)	LLY HAZARDOUS SUBSTANCE	E, SOLID,
RID		:	ENVIRONMENT/ N.O.S. (Febantel)	LY HAZARDOUS SUBSTANCE	E, SOLID,
IMDG)	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Febantel)		
ΙΑΤΑ		:			
14.3 Transport hazard class(es)					
			Class	Subsidiary risks	
ADN		:	9		
ADR		:	9		
RID		:	9		
IMDG	ì	:	9		
ΙΑΤΑ		:	9		
14.4 Pack	ing group				
Class Haza Label ADR Packi	ng group ification Code rd Identification Number s ng group ification Code	:	III M7 90 9 1II M7		

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



Febantel / Pyrantel Pamoate / Praziquantel Formulation

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La	zard Identification Number bels nnel restriction code	: 90 : 9 : (-)	
Cla Ha	D acking group assification Code azard Identification Number bels	: III : M7 : 90 : 9	
Pa La	DG cking group bels nS Code	: III : 9 : F-A, S-F	
Pa air Pa Pa	TA (Cargo) cking instruction (cargo craft) cking instruction (LQ) cking group bels	: 956 : Y956 : III : Miscellaneous	
Pa ge Pa Pa	TA (Passenger) cking instruction (passen- r aircraft) cking instruction (LQ) cking group bels	: 956 : Y956 : III : Miscellaneous	
14.5 Er	vironmental hazards		
A E En	DN vironmentally hazardous	: yes	
AC En	DR vironmentally hazardous	: yes	
Ri l En	D vironmentally hazardous	: yes	
	DG arine pollutant	: yes	
	TA (Passenger) vironmentally hazardous	: yes	
	TA (Cargo) vironmentally hazardous	: yes	
14.6 Sp	pecial precautions for use	er	

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Maritime transport in bulk according to IMO instruments

Remarks



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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	
REACH - List of substances subject to authorisation (Annex XIV)	:	Not applicable	
Regulation (EC) on substances that deplete the ozone layer	:	Not applicable	
Regulation (EU) 2019/1021 on persistent organic pollu- tants (recast)	:	Not applicable	
Regulation (EU) No 649/2012 of the European Parlia- ment and the Council concerning the export and import of dangerous chemicals	:	Not applicable	
Seveso III: Directive 2012/18/EU of the European Parliam	nen	t and of the Counc	il on the control of
major-accident hazards involving dangerous substances.			
		Ouontity 1	Outoptity 2

		Quantity 1	Quantity 2
E1	ENVIRONMENTAL	100 t	200 t
	HAZARDS		

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

AICS	:	not determined
DSL	:	not determined
IECSC	:	not determined

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information Other information Items where changes have been made to the previous version : are highlighted in the body of this document by two vertical lines. Full text of H-Statements Harmful if swallowed. H302 2 H400 Very toxic to aquatic life. 2 Very toxic to aquatic life with long lasting effects. H410 2 Harmful to aquatic life with long lasting effects. H412 : Full text of other abbreviations Acute Tox. : Acute toxicity



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Aqua FOR	atic Acute atic Chronic -2011-12-06-1358 -2011-12-06-1358 /	: Long-term (chr	ute) aquatic hazard ronic) aquatic hazard pational Exposure limits osure limit

. .

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 Harmonized 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 Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; 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 - Organization 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 -Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Sources of key data used to :	Internal technical data, data from raw material SDSs, OECD
compile the Safety Data	eChem Portal search results and European Chemicals Agen-
Sheet	cy, http://echa.europa.eu/

Classification of the mixture:

Aquatic Chronic 1 H410

Classification procedure:

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 is designed only as a guidance for



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safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

NO / EN