

Version 8.0	Revision Date: 28.09.2024		S Number: 92869-00017	Date of last issue: 30.09.2023 Date of first issue: 17.09.2019	
SECTION	1. IDENTIFICATION				
Produ	uct identifier	:	Pyrantel Pamoa	te / Ivermectin Formulation	
Manu	facturer or supplier's	s deta	ils		
Comp	bany	:	MSD		
Address		:	Rua Coronel Bento Soares, 530 Cruzeiro - Sao Paulo - Brazil CEP 12730-340		
Telep	hone	:	908-740-4000		
Emer	gency telephone	:	1-908-423-6000		
E-ma	il address	:	EHSDATASTEV	VARD@msd.com	
Reco	mmended use of the	chem	ical and restricti	ons on use	
	mmended use ictions on use	:	Veterinary produ Not applicable	lict	

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification in accordance with ABNT NBR 14725 Standard								
Acute toxicity (Oral)	:	Category 5						
Specific target organ toxicity - single exposure (Oral)	:	Category 2 (Central nervous system)						
Specific target organ toxicity - repeated exposure (Oral)	:	Category 2 (Central nervous system)						
Short-term (acute) aquatic hazard	:	Category 1						
Long-term (chronic) aquatic hazard	:	Category 1						

GHS label elements in accordance with	ABNT NBR 14725 Standard
One laber cicilicities in accordance with	

Hazard pictograms	:	
Signal Word	:	Warning
Hazard Statements	:	H303 May be harmful if swallowed. H371 May cause damage to organs (Central nervous system) if swallowed.



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		through prolong	se damage to organs (Central nervous system) ged or repeated exposure if swallowed. c to aquatic life with long lasting effects.
Preca	utionary Statements	P270 Do not ea	n thoroughly after handling. at, drink or smoke when using this product. ease to the environment.
		tor if you feel u	exposed or concerned: Call a POISON or.
		Storage: P405 Store locl	ked up.

Additional Labeling

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 38,3 %

Other hazards which do not result in classification None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Classification	Concentration (% w/w)
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)	22204-24-6		>= 30 -< 50
lvermectin	70288-86-7	Acute Tox. (Oral), 2 Acute Tox. (Dermal), 3 STOT SE, (Oral)(Central nervous system), 1 STOT RE, (Oral)(Central nervous system), 1 Aquatic Acute, 1 Aquatic Chronic, 1	>= 1 -< 2,5
Ethanol#	64-17-5	Flam. Liq., 2 Eye Irrit., 2A	>= 0,1 -< 1

Voluntarily-disclosed substance



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SECTION	4. FIRST AID MEASUR	ES		
Gene	eral advice	:	advice immedia	ccident or if you feel unwell, seek medical ately. as persist or in all cases of doubt seek medical
lf inha	aled	:	If inhaled, remo	ove to fresh air. ention if symptoms occur.
In cas	se of skin contact	:	Wash with wate	er and soap as a precaution. ention if symptoms occur.
In cas	se of eye contact	:	Flush eyes with	water as a precaution. ention if irritation develops and persists.
lf swa	allowed	:	If swallowed, D so by medical p Get medical att Rinse mouth th	O NOT induce vomiting unless directed to do personnel.
	important symptoms effects, both acute and red	:	May be harmfu May cause dan	l if swallowed. hage to organs if swallowed. hage to organs through prolonged or repeated
Prote	ection of first-aiders	:	First Aid respor and use the rec	nders should pay attention to self-protection, commended personal protective equipment tial for exposure exists (see section 8).
Notes	s to physician	:		atically and supportively.
SECTION	5. FIRE-FIGHTING ME	ASL	JRES	
Suita	ble extinguishing media	:	Water spray Alcohol-resistar Carbon dioxide Dry chemical	
Unsu media	itable extinguishing a	:	None known.	
Spec fightir	ific hazards during fire ng	:	Exposure to co	mbustion products may be a hazard to health.

ngrung		
Hazardous combustion prod- ucts	:	Carbon oxides Nitrogen oxides (NOx) Sulfur oxides
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.
Special protective equipment for fire-fighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES



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	tive equ	al precautions, protec- upment and emer- procedures	:		ective equipment. Ing advice (see section 7) and personal ent recommendations (see section 8).
	Enviror	mental precautions	:	Retain and dispos	akage or spillage if safe to do so. e of contaminated wash water. should be advised if significant spillages
		ls and materials for ment and cleaning up	:	For large spills, pr containment to ke can be pumped, s container. Clean up remainin absorbent. Local or national r disposal of this ma employed in the cl determine which r Sections 13 and 1	absorbent material. ovide diking or other appropriate ep material from spreading. If diked material tore recovered material in appropriate ag materials from spill with suitable egulations may apply to releases and aterial, as well as those materials and items leanup of releases. You will need to egulations are applicable. 5 of this SDS provide information regarding tional requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures	: See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation Advice on safe handling	 Use only with adequate ventilation. Do not breathe dust, fume, gas, mist, vapors or spray. Do not swallow. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the environment.
Hygiene measures	 If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contaminated 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
Conditions for safe storage	 use of administrative controls. Keep in properly labeled containers. Store locked up. Store in accordance with the particular national regulations.



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Materi	als to avoid	Strong oxidizing	bstances and mixtures

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
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)	22204-24-6	TWA	250 μg/m3 (OEB 2)	Internal
Ivermectin	70288-86-7	TWA	30 µg/m3 (OEB 3)	Internal
	Further informa	ation: Skin		
		Wipe limit	300 µg/100 cm2	Internal
Ethanol	64-17-5	LT	780 ppm 1.480 mg/m ³	BR OEL
	Further informa	ation: Degree of	harmfulness: minimu	IM
		STEL	1.000 ppm	ACGIH

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. Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face containment devices). Minimize open handling.

Personal protective equipment

Respiratory protection Filter type Hand protection	:	If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection. Combined particulates and organic vapor type
Material	:	Chemical-resistant gloves
Remarks Eye protection	:	Consider double gloving. Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.
Skin and body protection	:	Work uniform or laboratory coat. Additional body garments should be used based upon the



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			disposable suits)	ned (e.g., sleevelets, apron, gauntlets, to avoid exposed skin surfaces. legowning techniques to remove potentially hing.
SECTION	9. PHYSICAL AND CHI	EMIC		6
Phys	ical state	:	paste	
Color		:	yellow	
Odor		:	No data available	9
Odor	Threshold	:	No data available)
рН		:	No data available)
Melti	ng point/freezing point	:	No data available)
Initial range	boiling point and boiling	:	No data available	
Flash	n point	:	Not applicable	
Evap	oration rate	:	Not applicable	
Flam	mability (solid, gas)	:	No data available	2
Flam	mability (liquids)	:	Not applicable	
	er explosion limit / Upper nability limit	:	No data available	
	er explosion limit / Lower nability limit	:	No data available	
Vapo	r pressure	:	Not applicable	
Relat	ive vapor density	:	Not applicable	
Relat	ive density	:	No data available)
Dens	ity	:	No data available)
	bility(ies) /ater solubility	:	No data available	9
	ion coefficient: n-	:	Not applicable	
	ol/water gnition temperature	:	No data available	9
Deco	mposition temperature	:	No data available	9
Visco Vi	osity scosity, kinematic	:	Not applicable	



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Explo	sive properties	:	Not explosive	
Oxidiz	zing properties	:	The substance of	or mixture is not classified as oxidizing.
Molec	cular weight	:	No data availabl	e
	le characteristics le size	:	Not applicable	
CTION	10. STABILITY AND RE	EAC	ΤΙVITY	
Possi tions Condi Incom	tivity hical stability bility of hazardous reac- itions to avoid hpatible materials rdous decomposition		Stable under no Can react with s None known. Oxidizing agents	trong oxidizing agents.
products				
	nation on likely routes of sure	:	Skin contact Ingestion Eye contact	
Inforn expos		:	Ingestion	
Inforn expos Acute	sure	:	Ingestion	
Inforn expos Acute	sure e toxicity be harmful if swallowed.	:	Ingestion	
Inform expose Acute May b Prode	sure e toxicity be harmful if swallowed.	:	Ingestion Eye contact	imate: 3.334 mg/kg ion method
Inform expose Acute May b <u>Produ</u> Acute	sure e toxicity be harmful if swallowed. <u>uct:</u>	:	Ingestion Eye contact Acute toxicity est Method: Calculat	ion method imate: > 5.000 mg/kg

Acute oral toxicity	:	LD50 (Rat): > 24.000 mg/kg
		LD50 (Mouse): > 24.000 mg/kg
		LD50 (Dog): 2.000 mg/kg
Ivermectin:		
Acute oral toxicity	:	LD50 (Rat): 50 mg/kg
		LD50 (Mouse): 25 mg/kg
		LD50 (Monkey): > 24 mg/kg



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			Symptoms: Vomi	entral nervous system ting, Dilatation of the pupil tality observed at this dose.
Acute	e inhalation toxicity	:	LC50 (Rat): 5,11 Exposure time: 1 Test atmosphere:	h
Acute	e dermal toxicity	:	LD50 (Rabbit): 40)6 mg/kg
			LD50 (Rat): > 660) mg/kg
II Etha	nol:			
Acute	e oral toxicity	:	LD50 (Rat): 10.47 Method: OECD T	
Acute	e inhalation toxicity	:	LC50 (Rat, male) Exposure time: 4 Test atmosphere:	h
Acute	e dermal toxicity	:	LD50 (Rabbit): >	15.800 mg/kg
Not c <u>Com</u>	corrosion/irritation classified based on availa ponents: nectin:	able	information.	
Spec	ies	:	Rabbit No skin irritation	
Etha Spec Meth Resu	ies od	:	Rabbit OECD Test Guide No skin irritation	eline 404
	bus eye damage/eye irr slassified based on availa			
Com	ponents:			
	nectin:		5.1.1	
Spec Resu	ilt	:	Rabbit Mild eye irritation	
Etha Spec			Rabbit	
Resu Meth	ılt	:		reversing within 21 days eline 405



)	Revision Date: 28.09.2024	SDS Number: 4892869-00017	Date of last issue: 30.09.2023 Date of first issue: 17.09.2019
Resp	iratory or skin sens	itization	
	sensitization lassified based on av	ailable information.	
-	iratory sensitizatior lassified based on av		
<u>Com</u>	ponents:		
lverm	nectin:		
Route Speci Resu		: Dermal : Humans : Does not caus	e skin sensitization.
Ethar	nol:		
Test Route Speci Resu	es of exposure	: Mouse ear swo : Skin contact : Mouse : negative	elling test (MEST)
	a cell mutagenicity lassified based on av	ailable information.	
Not c	lassified based on av	ailable information.	
Not c <u>Com</u> 4,4'-N	lassified based on av ponents: //ethylenebis[3-hydr	oxy-2-naphthoic] aci	d, compound with (E)-1,4,5,6-tetrahydro-1
Not c <u>Com</u> 4,4'-N meth	lassified based on av ponents: /lethylenebis[3-hydr yl-2-[2-(2-thienyl)vir	oxy-2-naphthoic] aciony] oyl]pyrimidine (1:1):	
Not c <u>Com</u> 4,4'-N meth	lassified based on av ponents: //ethylenebis[3-hydr	oxy-2-naphthoic] aciony] oyl]pyrimidine (1:1):	cterial reverse mutation assay (AMES)
Not c Com 4,4'-N meth Geno	lassified based on av ponents: /lethylenebis[3-hydr yl-2-[2-(2-thienyl)vir	oxy-2-naphthoic] aciony yl]pyrimidine (1:1): : Test Type: Ba	cterial reverse mutation assay (AMES)
Not c Com 4,4'-N meth Geno	lassified based on av ponents: /lethylenebis[3-hydr yl-2-[2-(2-thienyl)vir toxicity in vitro	r oxy-2-naphthoic] aci onyl]pyrimidine (1:1): : Test Type: Ba Result: negativ	cterial reverse mutation assay (AMES) ve cterial reverse mutation assay (AMES)
Not c Com 4,4'-N meth Geno	lassified based on av ponents: Methylenebis[3-hydr yl-2-[2-(2-thienyl)vir toxicity in vitro	roxy-2-naphthoic] acia nyl]pyrimidine (1:1): : Test Type: Baa Result: negativ : Test Type: Baa Result: negativ Test Type: DN thesis in mami	cterial reverse mutation assay (AMES) ve cterial reverse mutation assay (AMES) ve IA damage and repair, unscheduled DNA sy malian cells (in vitro) numan diploid fibroblasts
Not c Com 4,4'-N meth Geno	lassified based on av ponents: Methylenebis[3-hydr yl-2-[2-(2-thienyl)vir toxicity in vitro	 Test Type: Backers Test Type: DN thesis in maming Test system: h Result: negative 	cterial reverse mutation assay (AMES) ve cterial reverse mutation assay (AMES) ve IA damage and repair, unscheduled DNA sy malian cells (in vitro) numan diploid fibroblasts ve puse Lymphoma
Not c Com 4,4'-N meth Geno	lassified based on av ponents: Methylenebis[3-hydr yl-2-[2-(2-thienyl)vir toxicity in vitro hectin: toxicity in vitro	 Test Type: Back Result: negative Test Type: Back Result: negative Test Type: Back Result: negative Test Type: Date Result: negative Test Type: DAte Result: negative Test System: Pack Result: negative Test Type: Mode Result: negative 	cterial reverse mutation assay (AMES) ve cterial reverse mutation assay (AMES) ve IA damage and repair, unscheduled DNA sy malian cells (in vitro) numan diploid fibroblasts ve puse Lymphoma
Not c Com 4,4'-N Meth Geno Iverm Geno	lassified based on av ponents: Methylenebis[3-hydr yl-2-[2-(2-thienyl)vir toxicity in vitro hectin: toxicity in vitro	roxy-2-naphthoic] acid nyl]pyrimidine (1:1): : Test Type: Bac Result: negativ : Test Type: Bac Result: negativ Test Type: DN thesis in mam Test system: h Result: negativ Test Type: Mo Result: negativ : Test Type: Mo	cterial reverse mutation assay (AMES) ve cterial reverse mutation assay (AMES) ve IA damage and repair, unscheduled DNA sy malian cells (in vitro) numan diploid fibroblasts ve puse Lymphoma ve cterial reverse mutation assay (AMES) D Test Guideline 471



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			Test Type: Chron Result: negative	nosome aberration test in vitro
Geno	otoxicity in vivo	:	Test Type: Mamn cytogenetic assay Species: Rat Application Route Result: negative	
Carci	inogenicity			
	lassified based on avail	able	information.	
Com	ponents:			
lvern	nectin:			
Spec		:	Rat	
Appli NOA	cation Route	÷	Oral 1,5 mg/kg body w	veight
Resu		÷	negative	long in the second s
Rema	arks	:	Based on data fro	om similar materials
Spec	ies	:	Mouse	
	cation Route	:	Oral	
NOA		:	2,0 mg/kg body w	veight
Resu Rema		÷	negative Based on data fro	om similar materials
Not c <u>Com</u> 4,4'-N meth	oductive toxicity lassified based on avail ponents: Methylenebis[3-hydrox yl-2-[2-(2-thienyl)vinyl ts on fetal development	(y-2-]pyr	naphthoic] acid, o imidine (1:1): Test Type: Embry Species: Rat Application Route	
			Result: No effects ment were detect Test Type: Embry	oxicity: NOAEL: 3.000 mg/kg body weight s on fertility and early embryonic develop- ed. yo-fetal development
				oxicity: NOAEL: 1.000 mg/kg body weight son fertility and early embryonic develop-
	nectin:			
Effec	ts on fertility	:		

SAFETY DATA SHEET



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Effe	Effects on fetal development		Result: Teratoger	
			Result: Embryoto spring were deter	e: Oral oxicity: LOAEL: 0,4 mg/kg body weight xic effects and adverse effects on the off-
•• Etha	anol:			
Effe	cts on fertility	:	Test Type: Two-c Species: Mouse Application Route Result: negative	eneration reproduction toxicity study
	T-single exposure	(0)		
-	r cause damage to organs	s (C	entral nervous syst	em) if swallowed.
	nponents: mectin:			
Targ	get Organs essment	:	Central nervous s Causes damage	
May	OT-repeated exposure r cause damage to organs rallowed.	6 (C	entral nervous syst	em) through prolonged or repeated exposure
-	nponents:			
	mectin:			
	get Organs essment	:	Central nervous s Causes damage exposure.	system to organs through prolonged or repeated



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Repea	ated dose toxicity		
<u>Comp</u>	oonents:		
		oxy-2-naphthoic] aci yl]pyrimidine (1:1):	d, compound with (E)-1,4,5,6-tetrahydro-1-
Speci		: Dog	
NOAE		: 10 mg/kg	
LOAE		: 30 mg/kg	
	ation Route	: Ingestion	
Expos Rema	sure time	: 3 d	advaraa offacta wara rapartad
Rema	IIKS	. No significant	adverse effects were reported
Speci		: Dog	
NOAE		: 600 mg/kg	
	ation Route	: Oral	
	sure time	: 19 d	
Rema	irks	: No significant	adverse effects were reported
Speci	es	: Dog	
NOAE		: 600 mg/kg	
	ation Route	: Oral	
	sure time	: 30 d	
Rema	irks	: No significant	adverse effects were reported
Speci		: Dog	
NOAE		: 600 mg/kg	
	ation Route	: Oral	
	sure time	: 90 d	
Rema	irks	: No significant	adverse effects were reported
lverm	ectin:		
Speci	es	: Dog	
NOAE		: 0,5 mg/kg	
LOAE		: 1 mg/kg	
Applic	ation Route	: Oral	
Expos	sure time	: 14 Weeks	
l arge Symp	t Organs toms	: Central nervor : Dilatation of th	us system ne pupil, Tremors, Lack of coordination, anorex
Speci		Monkov	
NOAE		: Monkey : 1,2 mg/kg	
	ation Route	: Oral	
Expos	sure time	: 2 Weeks	
Rema	irks		adverse effects were reported
Speci	es	: Rat	
NOAE	EL	: 0,4 mg/kg	
LOAE		: 0,8 mg/kg	
	ation Route	: Oral	
Expos	sure time	: 3 Months	
Targe	t Organs	: spleen, Bone	marrow, Kidney

Ethanol:



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	EL	: Rat : 1.730 mg/kg : 3.200 mg/kg : Ingestion : 90 Days	
Not c	ration toxicity lassified based on ava rience with human e		
<u>Com</u>	oonents:		
	/lethylenebis[3-hydro yl-2-[2-(2-thienyl)vin		id, compound with (E)-1,4,5,6-tetrahydro-1-
Inges	tion		bdominal pain, Nausea, Vomiting, Diarrhea, izziness, Fever
lverm	ectin:		
	contact ontact tion	: Remarks: Ma : Symptoms: D	n be absorbed through skin. ay irritate eyes. Drowsiness, Dilatation of the pupil, Tremors, Vom- a, Lack of coordination

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

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):

Ecotoxicology Assessment		
Acute aquatic toxicity	:	Toxic effects cannot be excluded
Chronic aquatic toxicity	:	Toxic effects cannot be excluded
Ivermectin:		
Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 0,003 mg/l Exposure time: 96 h
		LC50 (Lepomis macrochirus (Bluegill sunfish)): 0,0048 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0,000025 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): > 9,1 mg/l Exposure time: 72 h Method: OECD Test Guideline 201



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				NOEC (Pseudokir mg/l Exposure time: 72 Method: OECD Te	
		or (Acute aquatic tox-	:	10.000	
	icity) M-Facte toxicity)	or (Chronic aquatic)	:	10.000	
	Ethano) bl:			
	Toxicity		:	LC50 (Pimephales Exposure time: 96	s promelas (fathead minnow)): 14.200 mg/l 5 h
		v to daphnia and other invertebrates	:	EC50 (Ceriodaphi Exposure time: 48	nia dubia (water flea)): 5.012 mg/l 3 h
	Toxicity plants	∕ to algae/aquatic	:	ErC50 (Chlorella) Exposure time: 72	vulgaris (Fresh water algae)): 275 mg/l 2 h
				EC10 (Chlorella v Exposure time: 72	ulgaris (Fresh water algae)): 11,5 mg/l 2 h
	Toxicity icity)	<pre>/ to fish (Chronic tox-</pre>	:	NOEC (Oryzias la Exposure time: 10	itipes (Japanese medaka)): >= 79 mg/l 00 d
		/ to daphnia and other invertebrates (Chron-	:	NOEC (Daphnia r Exposure time: 9	nagna (Water flea)): 9,6 mg/l d
		/ to microorganisms	:	EC50 (Protozoa): Exposure time: 4	
	Persist	tence and degradabili	ity		
	<u>Compc</u>	onents:			
	lverme Biodegi	ctin: radability	:	Result: Not readily Biodegradation: 5 Exposure time: 24	50 %
	Ethanc Biodeg	bl: radability	:	Result: Readily bio Biodegradation: 8 Exposure time: 20	34 %
••	Bioacc	umulative potential			
	Compo	onents:			
	Iverme	ctin:			
		umulation	:	Bioconcentration	factor (BCF): 74
	Partitio	n coefficient: n-	:	log Pow: 3,22	
_				11/17	



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octan	ol/water					
Ethan	ol.					
Partiti	on coefficient: n- ol/water	: log Pow: -0,38	5			
	ity in soil ta available					
	adverse effects ta available					
ECTION	13. DISPOSAL CONSI	DERATIONS				
Dispo	sal methods					
•	e from residues		e of waste into sewer.			
Conta	minated packaging	: Empty contain handling site f	Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.			
ECTION	14. TRANSPORT INFO	RMATION				
Intorn	ational Regulations					
men						
	'DG					
UNRT UN nu		: UN 3077 : ENVIRONME N.O.S.	NTALLY HAZARDOUS SUBSTANCE, SOLID,			
UNRT UN nu Prope	ımber r shipping name	: ENVIRONME N.O.S. (Ivermectin)	NTALLY HAZARDOUS SUBSTANCE, SOLID,			
UNRT UN nu Prope Class	ımber r shipping name	: ENVIRONME N.O.S. (Ivermectin) : 9	NTALLY HAZARDOUS SUBSTANCE, SOLID,			
UNRT UN nu Prope Class Packin	ımber ır shipping name ng group	: ENVIRONME N.O.S. (Ivermectin) : 9 : III	NTALLY HAZARDOUS SUBSTANCE, SOLID,			
UNRT UN nu Prope Class Packin Labels	ımber ır shipping name ng group s	: ENVIRONME N.O.S. (Ivermectin) : 9 : III : 9	NTALLY HAZARDOUS SUBSTANCE, SOLID,			
UNRT UN nu Prope Class Packin Labels	umber r shipping name ng group s onmentally hazardous	: ENVIRONME N.O.S. (Ivermectin) : 9 : III	NTALLY HAZARDOUS SUBSTANCE, SOLID,			
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Revision Date: 28.09.2024	DS Number:Date of last issue: 30.09.2023392869-00017Date of first issue: 17.09.2019	
Code e pollutant	F-A, S-F yes	
estic regulation		
umber r shipping name	N.O.S.	e, solid,
ng group s d Identification Number	9 111 9 90	
al precautions for use		
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.		
	Code : e pollutant : sport in bulk according to oplicable for product as sup estic regulation umber : r shipping name : ng group : s : d Identification Number : al precautions for user ansport classification(s) pro l upon the properties of the . Transportation classificati	Code : F-A, S-F e pollutant : yes sport in bulk according to Annex II of MARPOL 73/78 and the IBC Code oplicable for product as supplied. estic regulation . umber :

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

National List of Carcinogenic Agents for Humans - (LINACH)	:	Not applicable
Brazil. List of chemicals controlled by the Federal Police	:	Not applicable

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

DSL		not determined
AICS	:	not determined
IECSC	:	not determined

SECTION 16. OTHER INFORMATION

Revision Date	:	28.09.2024
Date format	:	dd.mm.yyyy

Further information

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

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.



Version	Revision Date:	SDS Number:	Date of last issue: 30.09.2023
8.0	28.09.2024	4892869-00017	Date of first issue: 17.09.2019

Full text of other abbreviations

ACGIH BR OEL	USA. ACGIH Threshold Limit Values (TLV) Brazil. NR 15 - Unhealthy activities and operations
ACGIH / STEL BR OEL / LT	Short-term exposure limit Up to 48 hours /week

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); 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; ERG - Emergency Response Guide; 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; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; 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; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; 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; WHMIS - Workplace Hazardous Materials Information System

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 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.

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