



Version 4.1	Revision Date: 30.09.2023		S Number: 71844-00014	Date of last issue: 04.04.2023 Date of first issue: 18.11.2016
Section 1:	Identification			
Produ	ct name	:	Tildipirosin (4%	6) Formulation
Manut	facturer or supplier's o	leta	ile	
Comp		:	MSD	
Addre	SS	:	33 Whakatiki S Upper Hutt - N	Street - Private Bag 908 ew Zealand
Telepł	hone	:	0800 800 543	
Emerç	gency telephone numbe	r:	0800 764 766 CHEMCALL)	(0800 POISON) 0800 243 622 (0800
E-mai	l address	:	EHSDATASTE	WARD@msd.com
Recor	mmended use of the c	hem	ical and restric	tions on use
	nmended use ctions on use	:	Veterinary prov Not applicable	duct
Section 2:	Hazard identification			
GHS (	Classification			
Skin s	ensitisation	:	Category 1	
Repro	ductive toxicity	:	Category 2	
	fic target organ toxicity - ted exposure	:		eart, Cardio-vascular system, Nervous system, nyroid, thymus gland, spleen, Pancreas)
	dous to the aquatic nment - acute hazard	:	Category 1	
	dous to the aquatic nment - chronic hazard	:	Category 1	

**GHS** label elements

Hazard pictograms

Warning

Hazard statements

Signal word

H317 May cause an allergic skin reaction. H361f Suspected of damaging fertility.

:

:

:





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		system, Nervou spleen, Pancre	se damage to organs (Heart, Cardio-vascular us system, eye - retina, Thyroid, thymus gland, as) through prolonged or repeated exposure. c to aquatic life with long lasting effects.
Preca	utionary statements	P202 Do not ha and understood P260 Do not br P272 Contamir the workplace. P273 Avoid rele	eathe mist or vapours. hated work clothing should not be allowed out of ease to the environment. tective gloves/ protective clothing/ eye protec-
		P308 + P313 IF attention.	ON SKIN: Wash with plenty of water. exposed or concerned: Get medical advice/ skin irritation or rash occurs: Get medical ad- billage.
		<b>Storage:</b> P405 Store loc	ked up
		Disposal:	ved up.
		•	of contents/ container to an approved waste
	hazards which do no known.	ot result in classificat	lion

#### Section 3: Composition/information on ingredients

Substance /	Mixture	:	Mixture
Oubolarioo /	i i i i i i i i i i i i i i i i i i i	•	TVII/(COLO

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Propylene glycol	57-55-6	>= 30 -< 50
Tildipirosin	328898-40-4	>= 2.5 -< 10
Citric acid monohydrate	5949-29-1	>= 1 -< 10

#### Section 4: First-aid measures

General advice : In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.



### **Tildipirosin (4%) Formulation**

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If inha	led	:	If inhaled, remove Get medical atter		
In case	e of skin contact	:	In case of contact of water. Remove contamin Get medical atter Wash clothing be	, immediately flush skin with soap and plenty nated clothing and shoes. tion.	
In case	e of eye contact	:	Flush eyes with w	ater as a precaution. tion if irritation develops and persists.	
If swal	llowed	:	If swallowed, DO Get medical atter	NOT induce vomiting.	
	mportant symptoms fects, both acute and ed	:	May cause an alle Suspected of dan	ergic skin reaction.	
Protec	tion of first-aiders	:	First Aid respond and use the recor	ers should pay attention to self-protection, mmended personal protective equipment al for exposure exists (see section 8).	
Notes	to physician	:		cally and supportively.	
Section 5:	Section 5: Fire-fighting measures				
Suitab	le extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (0 Dry chemical		
Unsuit media	able extinguishing	:	None known.		
	ic hazards during fire-	:	Exposure to com	oustion products may be a hazard to health.	

#### Section 6: Accidental release measures

Special protective equipment :

Specific extinguishing meth- :

ucts

ods

for firefighters

Hazchem Code

Hazardous combustion prod- : Carbon oxides

SO.

: 3Z

Evacuate area.

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so.

Use extinguishing measures that are appropriate to local cir-

Remove undamaged containers from fire area if it is safe to do

In the event of fire, wear self-contained breathing apparatus.

cumstances and the surrounding environment.

Use water spray to cool unopened containers.

Use personal protective equipment.





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			barriers). Retain and dis	ding over a wide area (e.g. by containment or oi pose of contaminated wash water. es should be advised if significant spillages rained.
	ods and materials for inment and cleaning up	:	For large spills ment to keep n be pumped, sto Clean up rema bent. Local or nation posal of this m employed in th mine which reg Sections 13 an	hert absorbent material. , provide dyking or other appropriate contain- naterial from spreading. If dyked material can pre recovered material in appropriate container. ining materials from spill with suitable absor- al regulations may apply to releases and dis- aterial, as well as those materials and items e cleanup of releases. You will need to deter- gulations are applicable. Id 15 of this SDS provide information regarding national requirements.
Section 7	: Handling and storage	!		
Tech	nical measures	:		ng measures under EXPOSURE ERSONAL PROTECTION section.
	/Total ventilation e on safe handling	:	Do not get on s Do not breather Do not swallow Avoid contact w Handle in accor practice, based sessment Take care to p	
Hygie	ene measures	:	flushing system place. When using do Contaminated workplace. Wash contamin The effective o engineering co appropriate de industrial hygie	chemical is likely during typical use, provide eyens and safety showers close to the working o not eat, drink or smoke. work clothing should not be allowed out of the nated clothing before re-use. peration of a facility should include review of ntrols, proper personal protective equipment, gowning and decontamination procedures, ene monitoring, medical surveillance and the trative controls.

Conditions for safe storage	:	Keep in properly labelled containers.
		Store locked up.
		Store in accordance with the particular national regulations.
Materials to avoid	:	Do not store with the following product types:
		Strong oxidizing agents



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### Section 8: Exposure controls/personal protection

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Propylene glycol	57-55-6	WES-TWA (particulate)	10 mg/m3	NZ OEL
		WES-TWA (Vapour and particulates)	150 ppm 474 mg/m3	NZ OEL
Tildipirosin	328898-40-4	TWA	100 μg/m3 (OEB 2)	Internal
	Further informa	ation: DSEN		
		Wipe limit	100 µg/100 cm <sup>2</sup>	Internal

Engineering measures	:	Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., drip- less quick connections). All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Laboratory operations do not require special containment.
Personal protective equipme	nt	
51	:	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Particulates type
Hand protection Material		Chemical-resistant gloves
Material	•	Chemical-resistant gioves
Eye protection	:	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.

#### Section 9: Physical and chemical properties

Appearance	: liquid
Colour	: No data available
Odour	: No data available
Odour Threshold	: No data available
рН	: No data available



# **Tildipirosin (4%) Formulation**

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	Melting p	point/freezing point	:	No data available	
	Initial bo range	iling point and boiling	:	No data available	
	Flash po	pint	:	No data available	
	Evapora	tion rate	:	No data available	
	Flamma	bility (solid, gas)	:	Not applicable	
	Flamma	bility (liquids)	:	No data available	)
	Upper ex flammab	xplosion limit / Upper ility limit	:	No data available	
	Lower ex flammab	xplosion limit / Lower pility limit	:	No data available	
	Vapour p	oressure	:	No data available	
	Relative	vapour density	:	No data available	
	Relative	density	:	No data available	
	Density		:	1.0499 g/cm <sup>3</sup>	
	Solubility Wate	y(ies) r solubility	:	No data available	)
	Partition octanol/	coefficient: n-	:	No data available	)
		ition temperature	:	No data available	
	Decomp	osition temperature	:	No data available	
	Viscosity Visco	/ osity, kinematic	:	No data available	)
	Explosiv	e properties	:	Not explosive	
	Oxidizin	g properties	:	The substance or	r mixture is not classified as oxidizing.
	Molecula	ar weight	:	No data available	)
	Particle	size	:	No data available	)

Section 10: Stability and reactivity





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Possil tions Condi Incom	tical stability bility of hazardous reac- tions to avoid patible materials dous decomposition	:	Stable under n Can react with None known. Oxidizing agen	as a reactivity hazard. ormal conditions. strong oxidizing agents. ts decomposition products are known.
Section 11	1: Toxicological inform	atic	on	
Expos	sure routes	:	Inhalation Skin contact Ingestion Eye contact	
	e toxicity assified based on availa	hla	information	
	oonents:	bie	information.	
	/lene glycol:			
	oral toxicity	:	LD50 (Rat): 22,	000 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): > 4 Exposure time: Test atmospher	4 h
Acute	dermal toxicity	:	LD50 (Rabbit): : Assessment: Th toxicity	> 2,000 mg/kg ne substance or mixture has no acute dermal
Tildip	pirosin:			
-	oral toxicity	:	LD50 (Rat): > 2	,000 mg/kg
			LD50 (Mouse):	> 2,000 mg/kg
Acute	dermal toxicity	:	Remarks: No da	ata available
	toxicity (other routes of istration)	:	LD50 (Mouse): Application Rou	6.25 - 12.5 mg/kg te: Intravenous
Citric	acid monohydrate:			
	oral toxicity	:	LD50 (Mouse):	5,400 mg/kg
Acute	dermal toxicity	:		,000 mg/kg Test Guideline 402 ne substance or mixture has no acute dermal





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_	corrosion/irritation	viloblo i	formation	
	ponents:		normation.	
	ylene glycol:			
Spec			Rabbit	
Meth	od	:	OECD Test Guid	leline 404
Resu	lt	:	No skin irritation	
Tildij	pirosin:			
Spec			Rabbit	
Resu	lt	:	No skin irritation	
Citric	c acid monohydrate:			
Spec			Rabbit	
Resu	lt	:	No skin irritation	
Serio	ous eye damage/eye	irritatio	n	
Not c	lassified based on ava	ailable i	nformation.	
<u>Com</u>	ponents:			
Prop	ylene glycol:			
Spec			Rabbit	
Resu Meth			No eye irritation OECD Test Guid	leline 405
-	pirosin:			
Spec Resu		-	Rabbit No eye irritation	
Resu	it.	·	No eye imation	
Citric	c acid monohydrate:			
Spec			Rabbit	
Resu	lt	:	Irritation to eyes,	reversing within 21 days
Resp	piratory or skin sensi	tisatior	n	
Skin	sensitisation			
May	cause an allergic skin	reactio	٦.	
Resp	biratory sensitisation			
	lassified based on ava	anadie I	normation.	
	ponents:			
-	ylene glycol:		Movimination T-	at
Test Expo	i ype sure routes		Maximisation Te Skin contact	SL

: Skin contact

Exposure routes



ersion .1	Revision Date: 30.09.2023	SDS Nu 1071844		Date of last issue: 04.04.2023 Date of first issue: 18.11.2016
Speci Resul		: Guin : nega	nea pig ative	
Tildip	birosin:			
Test 7	Гуре sure routes es	: Dern : Guin	imisation T nal nea pig sitiser	est
Chroi	nic toxicity			
	cell mutagenicity assified based on av	ailable inforn	nation.	
Comp	oonents:			
	<b>/lene glycol:</b> toxicity in vitro		: Type: Bac ult: negativ	eterial reverse mutation assay (AMES)
		Meth		omosome aberration test in vitro ) Test Guideline 473 e
Geno	toxicity in vivo	cytog Spec Appl	genetic ass cies: Mous	e ute: Intraperitoneal injection
Tildin	virosin:			
-	toxicity in vitro	Meta		cterial reverse mutation assay (AMES) ation: with and without metabolic activation e
		Test Meta	system: H	omosomal aberration luman lymphocytes ation: with and without metabolic activation e
		Test Meta	system: m	itro mammalian cell gene mutation test house lymphoma cells ation: with and without metabolic activation re
Geno	toxicity in vivo	Spec Appl	Type: Mic cies: Mous lication Rou ult: negativ	ute: Oral





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Citri	c acid monohydrate:			
Geno	otoxicity in vitro	:	Test Type: Bac Result: negative	erial reverse mutation assay (AMES)
			Test Type: in vi Result: positive	tro micronucleus test
			Test Type: Bac Result: negative	erial reverse mutation assay (AMES)
Geno	otoxicity in vivo	:		
Carc	inogenicity			
Not o	classified based on ava	ilable	information.	
<u>Com</u>	ponents:			
Prop	ylene glycol:			
	ication Route	:	Rat Ingestion 2 Years negative	
Rep	oductive toxicity			
-	ected of damaging fert	ility.		
Com	ponents:			
Prop	ylene glycol:			
-	ets on fertility	:	Test Type: Two Species: Mouse Application Rou Result: negative	te: Ingestion
Effec ment	ets on foetal develop-	:	Test Type: Emb Species: Mouse Application Rou Result: negative	ite: Ingestion
Tildi	pirosin:			
	ets on fertility	:	Species: Rat Application Rou General Toxicit Symptoms: Effe	-generation reproduction toxicity study te: Oral y F1: LOAEL: 80 mg/kg body weight ects on F1 offspring on reproduction parameters



sion	Revision Date: 30.09.2023		OS Number: 71844-00014	Date of last issue: 04.04.2023 Date of first issue: 18.11.2016
Effect ment	s on foetal develop-	:	Species: Rabbit Embryo-foetal to Symptoms: Reo Result: No terat Remarks: The e es. Test Type: Emb Species: Rat, fe Embryo-foetal to	oxicity: NOAEL: 30 mg/kg body weight luced body weight ogenic potential iffects were seen only at maternally toxic do ryo-foetal development male oxicity: NOAEL: 30 mg/kg body weight
			Result: No terat	luced body weight ogenic potential ffects were seen only at maternally toxic do
Repro sessn	oductive toxicity - As- nent	:		of adverse effects on sexual function and n animal experiments.
Citric	acid monohydrate:			
Effect	s on foetal develop-	:	Test Type: Emb	ryo-foetal development
ment			Species: Rat Application Rou Result: negative	te: Ingestion
ment STOT	- single exposure	lable	Species: Rat Application Rou Result: negative	te: Ingestion
ment STOT Not cl	·	lable	Species: Rat Application Rou Result: negative	te: Ingestion
ment STOT Not cl <u>Comp</u>	- single exposure assified based on avai	lable	Species: Rat Application Rou Result: negative	te: Ingestion
ment STOT Not cl Comp	- single exposure assified based on avai ponents:	lable :	Species: Rat Application Rou Result: negative	te: Ingestion
ment STOT Not cl Comp Citric Asses STOT May c	- single exposure assified based on avail conents: acid monohydrate: asment - repeated exposure ause damage to organ	: ns (Hi	Species: Rat Application Rou Result: negative information. May cause resp	te: Ingestion
ment STOT Not cl Comp Citric Asses STOT May c roid, t	- single exposure assified based on avail conents: acid monohydrate: asment - repeated exposure ause damage to organ	: ns (Hi	Species: Rat Application Rou Result: negative information. May cause resp	te: Ingestion iratory irritation. ular system, Nervous system, eye - retina, T
ment STOT Not cl Citric Asses STOT May c roid, t Comp Tildip	- single exposure assified based on avail conents: acid monohydrate: assment - repeated exposure cause damage to organ hymus gland, spleen, F conents: irosin:	: ns (Hi	Species: Rat Application Rou Result: negative information. May cause resp eart, Cardio-vasc reas) through pro	te: Ingestion iratory irritation. ular system, Nervous system, eye - retina, T longed or repeated exposure.
ment STOT Not cl Citric Asses STOT May c roid, t Comp Tildip	- single exposure assified based on avail conents: acid monohydrate: ssment - repeated exposure ause damage to organ hymus gland, spleen, F conents:	: ns (Hi	Species: Rat Application Rou Result: negative information. May cause resp eart, Cardio-vasc reas) through pro	te: Ingestion iratory irritation. ular system, Nervous system, eye - retina, T longed or repeated exposure.
ment STOT Not cl Comp Citric Asses STOT May c roid, t Comp Tildip Targe	- single exposure assified based on avail conents: acid monohydrate: assment - repeated exposure cause damage to organ hymus gland, spleen, F conents: irosin:	: ns (Hi	Species: Rat Application Rou Result: negative information. May cause resp eart, Cardio-vasc reas) through pro Heart, Cardio-va Thyroid, thymus	te: Ingestion iratory irritation. ular system, Nervous system, eye - retina, T longed or repeated exposure.
ment STOT Not cl Comp Citric Asses STOT May c roid, t Comp Tildip Targe Asses	- single exposure assified based on avail conents: acid monohydrate: ssment     - repeated exposure ause damage to organ hymus gland, spleen, F conents: irosin: t Organs	: ns (Hi	Species: Rat Application Rou Result: negative information. May cause resp eart, Cardio-vasc reas) through pro Heart, Cardio-va Thyroid, thymus May cause dam	te: Ingestion iratory irritation. ular system, Nervous system, eye - retina, T longed or repeated exposure.
ment STOT Not cl Comp Citric Asses STOT May c roid, t Comp Tildip Targe Asses Repea	- single exposure assified based on avail conents: acid monohydrate: assment - repeated exposure cause damage to organ hymus gland, spleen, F conents: irosin: t Organs assment	: ns (Hi	Species: Rat Application Rou Result: negative information. May cause resp eart, Cardio-vasc reas) through pro Heart, Cardio-va Thyroid, thymus May cause dam	te: Ingestion iratory irritation. ular system, Nervous system, eye - retina, T longed or repeated exposure. ascular system, Nervous system, eye - retina
ment STOT Not cl Comp Citric Asses STOT May c roid, t Comp Tildip Targe Asses Repea	- single exposure assified based on avail conents: acid monohydrate: assment - repeated exposure cause damage to organ hymus gland, spleen, F conents: irosin: t Organs assment ated dose toxicity	: ns (Hi	Species: Rat Application Rou Result: negative information. May cause resp eart, Cardio-vasc reas) through pro Heart, Cardio-va Thyroid, thymus May cause dam	te: Ingestion iratory irritation. ular system, Nervous system, eye - retina, T longed or repeated exposure.



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		4 700	_
NOA		: >= 1,700 mg/kg	)
	cation Route sure time	: Ingestion : 2 yr	
Tildi	pirosin:		
Spec		: Rat	
NOA		: 20 mg/kg	
LOAE		: 60 mg/kg	
	cation Route	: Oral	
	sure time	: 90 d	aland
	et Organs otoms	: spleen, thymus : Salivation	giand
Synt	5101115	. Salivation	
Spec	ies	: Dog	
LÒAE	ΞL	: 20 mg/kg	
	cation Route	: Oral	
	sure time	: 28 d	
	et Organs		nervous system, Blood
Symp	otoms	: Tremors	
Spec	ies	: Dog	
NOA		: 6 mg/kg	
Appli	cation Route	: Oral	
	sure time	: 90 d	
	et Organs		ascular system
Symp	otoms	: Irritability	
Spec	ios	: Dog	
NOA		: 10 mg/kg	
LOAE		: 50 mg/kg	
	cation Route	: Oral	
	sure time	: 55 Weeks	
Targe	et Organs	: Nervous syster gland, Pancrea	n, eye - retina, Heart, Thyroid, spleen, thymus s
Citric	c acid monohydrate:		
Spec	ies	: Rat	
NOA	EL	: 4,000 mg/kg	
LOAE		: 8,000 mg/kg	
	cation Route	: Ingestion	
Expo	sure time	: 10 Days	
Aspi	ration toxicity		
Not c	lassified based on ava	ailable information.	
Expe	rience with human e	exposure	
Com	ponents:		
Tildi	pirosin:		
-	eral Information	: No human info	rmation is available.



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Ecotoxicity		
Components:		
Propylene glycol:		
Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 40,613 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Ceriodaphnia dubia (water flea)): 18,340 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	ErC50 (Skeletonema costatum (marine diatom)): 19,300 mg. Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	NOEC (Ceriodaphnia dubia (water flea)): 13,020 mg/l Exposure time: 7 d
Toxicity to microorganisms	:	NOEC (Pseudomonas putida): > 20,000 mg/l Exposure time: 18 h
Tildipirosin:		
Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): > 138 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 32 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 0.12 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
		NOEC (Pseudokirchneriella subcapitata (green algae)): 0.04 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
		EC50 (Anabaena flos-aquae (cyanobacterium)): 0.027 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
		NOEC (Anabaena flos-aquae (cyanobacterium)): 0.00011 mg/l Exposure time: 72 h Method: OECD Test Guideline 201



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		_	40	
ivi-	Factor (Acute aquatic tox- y)	•	10	
M-	Factor (Chronic aquatic (icity)	:	100	
	xicity to microorganisms	:	EC50: 112.4 mg/l Exposure time: 3 Test Type: Respi Method: OECD T	h ration inhibition
			NOEC: 0.23 mg/l Exposure time: 3 Test Type: Respi Method: OECD T	ration inhibition
Cit	ric acid monohydrate:			
То	xicity to fish	:	LC50 (Pimephale Exposure time: 90	s promelas (fathead minnow)): > 100 mg/l 5 h
	xicity to daphnia and other uatic invertebrates	:	EC50 (Daphnia m Exposure time: 24	nagna (Water flea)): 1,535 mg/l 4 h
Ре	rsistence and degradabili	ity		
<u>Co</u>	mponents:			
Pr	opylene glycol:			
Bio	odegradability	:	Result: Readily b Biodegradation: Exposure time: 24 Method: OECD T	98.3 %
TI	dipirosin:			
	odegradability	:	Result: Not readil Biodegradation: Exposure time: 28 Method: OECD T	14.7 %
	t <b>ric acid monohydrate:</b>		Result: Readily b	adagradabla
ы	Juegrauability	•	Biodegradation: Exposure time: 28	97 %
Bie	paccumulative potential			
Co	emponents:			
Pre	opylene glycol: rtition coefficient: n-	:	log Pow: -1.07	



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octan	ol/water	Method: Regula	ation (EC) No. 440/2008, Annex, A.8
	acid monohydrate:		
	ion coefficient: n- ol/water	: log Pow: -1.72	
	lity in soil		
No da	ata available		
Othe	r adverse effects		
No da	ata available		
Section 1	3: Disposal considera	ations	
Dispo	osal methods		
Waste	e from residues	•	of waste into sewer. ccordance with local regulations.
Conta	aminated packaging	: Empty containe dling site for ree	ers should be taken to an approved waste har cycling or disposal. specified: Dispose of as unused product.

International Regulation	ons
--------------------------	-----

UNRTDG		
UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tildipirosin)
Class	:	9
Packing group	:	III
Labels	:	9
Environmentally hazardous	:	yes
IATA-DGR		
UN/ID No.	:	UN 3082
Proper shipping name	:	Environmentally hazardous substance, liquid, n.o.s. (Tildipirosin)
Class	:	9
Packing group	:	III
Labels	:	Miscellaneous
Packing instruction (cargo aircraft)	:	964
Packing instruction (passen- ger aircraft)	:	964
Environmentally hazardous	:	yes
IMDG-Code		
UN number Proper shipping name	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.



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Label EmS Marir	ing group Is Code ne pollutant	(Tildipirosin) : 9 : III : 9 : F-A, S-F : yes ing to Annex II of N	IARPOL 73/78 and the IBC Code
Not a	pplicable for product	as supplied.	
Natio	onal Regulations		
-	<b>5433</b> umber er shipping name	N.O.S.	ENTALLY HAZARDOUS SUBSTANCE, LIQUID,
Label Hazc	ing group	(Tildipirosin) : 9 : III : 9 : 3Z : no	)
Snoo	ial proceptions for u	sor	

#### Special precautions for user

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.

#### Section 15: Regulatory information

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

#### **HSNO Approval Number**

HSR100759 Veterinary Medicines Non dispersive Open System Application Group Standard

#### HSW Controls

Certified handler certificate not required.

Tracking hazardous substance not required.

Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

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

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

#### Section 16: Other information



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R	evision Date	:	30.09.2023	
Fu	urther information			
cc	ources of key data used to ompile the Safety Data heet	:		data, data from raw material SDSs, OECD arch results and European Chemicals Agen- ropa.eu/
Da	ate format	:	dd.mm.yyyy	
Fu	ull text of other abbreviation	ons		
N	ZOEL	:	New Zealand. Wo	orkplace Exposure Standards for Atmospher-

#### NZ OEL / WES-TWA : Workplace Exposure Standard - Time Weighted average

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





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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.

NZ / EN