

Version 3.0	Revision Date: 2023/04/04		S Number: 9752-00016	Date of last issue: 2022/10/01 Date of first issue: 2017/01/26
1. PRODU	ICT AND COMPANY IDI	ENT	IFICATION	
Produ	uct name	:	Enrofloxacin /	Diclofenac Liquid Formulation
Manu	ifacturer or supplier's c	letai	ls	
Comp	bany	:	MSD	
Addre	ess	:		Avenue Jersey U.S.A. 07065
Telep	phone	:	908-740-4000	
Emer	gency telephone number	• :	1-908-423-600	00
E-ma	il address	:	EHSDATASTE	EWARD@msd.com
Reco	mmended use of the cl	nem	ical and restric	tions on use
Reco	mmended use	:	Veterinary pro	duct
Restr	ictions on use	:	Not applicable	
2. HAZAR	DS IDENTIFICATION			
GHS	Classification			

Skin corrosion/irritation	:	Category 1
Serious eye damage/eye irri- tation	:	Category 1
Reproductive toxicity	:	Category 2
Specific target organ toxicity - repeated exposure	:	Category 1 (cartilage, Testis)
Specific target organ toxicity - repeated exposure	:	Category 2 (Gastrointestinal tract, Blood, lymphatic system, Liver, Prostate)
Short-term (acute) aquatic hazard	:	Category 1
Long-term (chronic) aquatic hazard	:	Category 1
GHS label elements Hazard pictograms	:	



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Signa	l word	: Danger	
Hazaı	rd statements	H361f Suspect H372 Causes of prolonged or re H373 May caus Blood, lymphat repeated expos	severe skin burns and eye damage. ed of damaging fertility. damage to organs (cartilage, Testis) through epeated exposure. se damage to organs (Gastrointestinal tract, ic system, Liver, Prostate) through prolonged sure. c to aquatic life with long lasting effects.
Preca	utionary statements	P202 Do not h and understood P260 Do not b P264 Wash sk P270 Do not e P273 Avoid rel	reathe mist or vapours. in thoroughly after handling. at, drink or smoke when using this product. ease to the environment. otective gloves/ protective clothing/ eye protec.
		Response:	
		Do NOT induce CENTER/ doct P303 + P361 + immediately all shower. Immed P304 + P340 + and keep comf POISON CENT P305 + P351 + water for sever and easy to do CENTER/ doct P308 + P313 II attention.	 P353 + P310 IF ON SKIN (or hair): Take off contaminated clothing. Rinse skin with water/ diately call a POISON CENTER/ doctor. P310 IF INHALED: Remove person to fresh a ortable for breathing. Immediately call a FER/ doctor. P338 + P310 IF IN EYES: Rinse cautiously w ral minutes. Remove contact lenses, if present . Continue rinsing. Immediately call a POISON or. F exposed or concerned: Get medical advice/ ntaminated clothing before reuse.
		Storage:	
		P405 Store loc	ked up.
		Disposal: P501 Dispose disposal plant.	of contents/ container to an approved waste

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mix



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Comp	oonents				
Chem	ical name			CAS-No.	Concentration (% w/w)
Enrofl	oxacin			93106-60-6	>= 10 -< 25
Benzy	/l alcohol			100-51-6	< 10
Sodiu	m [2-[(2,6-			15307-79-6	>= 1 -< 2.5
dichlo	rophenyl)amino]phenyl]a	acet	tate		
Genei	ral advice	:	vice immediat	ely.	eel unwell, seek medical ad- cases of doubt seek medica
lf inha	led	:	If not breathin If breathing is	nove to fresh air. g, give artificial res difficult, give oxyge ittention immediate	en.
In cas	e of skin contact	:	In case of cor for at least 15 and shoes. Get medical a Wash clothing	ntact, immediately fi minutes while rem attention immediate before reuse.	lush skin with plenty of water oving contaminated clothing ly.
In cas	e of eye contact	:	In case of cor for at least 15 If easy to do,	-	lush eyes with plenty of wate is, if worn.
lf swa	llowed	:	If swallowed, If vomiting occ Call a physicia Rinse mouth	DO NOT induce vo curs have person le an or poison contro thoroughly with wat	miting. ean forward. I centre immediately. ter.
Mosti	mportant symptoms			tive tract burns.	an unconscious person.
	ffects, both acute and	•		us eye damage.	
delaye			Suspected of	damaging fertility.	gh prolonged or repeated
			exposure.		- •
Protec	ction of first-aiders	:	and use the re	onders should pay ecommended perso	attention to self-protection, onal protective equipment
Notes	to physician	:		natically and suppo	exists (see section 8). ortively.
IREFIG	BHTING MEASURES				
Suitab	ble extinguishing media	:	Water spray Alcohol-resist Carbon dioxic Dry chemical		
Unsui [.] media	table extinguishing	:	None known.		
Specit fightin	fic hazards during fire-	:	Exposure to c	combustion product	s may be a hazard to health.



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Hazar ucts	dous combustion prod-	:	Carbon oxides Chlorine compour Nitrogen oxides (I Sodium oxides	
Specif ods	ic extinguishing meth-	:	cumstances and t Use water spray t	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do
	al protective equipment fighters	:		e, wear self-contained breathing apparatus. ective equipment.
6. ACCIDE	NTAL RELEASE MEAS	SUF	RES	
tive ec	nal precautions, protec- quipment and emer- procedures	:	Follow safe handl	ective equipment. ing advice (see section 7) and personal pro- recommendations (see section 8).
Enviro	nmental precautions	:	Prevent spreading barriers). Retain and dispos	akage or spillage if safe to do so. g over a wide area (e.g. by containment or oil se of contaminated wash water. should be advised if significant spillages
	ds and materials for nment and cleaning up	:	For large spills, pument to keep mat be pumped, store Clean up remaining bent. Local or national uposal of this mate employed in the of mine which regular Sections 13 and 1	absorbent material. rovide dyking or other appropriate contain- erial from spreading. If dyked material can recovered material in appropriate container. In materials from spill with suitable absor- regulations may apply to releases and dis- rial, as well as those materials and items leanup of releases. You will need to deter- ations are applicable. 5 of this SDS provide information regarding tional requirements.

7. HANDLING AND STORAGE

Technical measures	: See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.	
Local/Total ventilation	: If sufficient ventilation is unavailable, use with local exhau ventilation.	st
Advice on safe handling	 Do not get on skin or clothing. Do not breathe mist or vapours. Do not swallow. Do not get in eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and sa practice, based on the results of the workplace exposure a 	



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		Take care to prevent of the termination of terminatio of termi	or smoke when using this product. vent spills, waste and minimize release to the					
Conditions for safe storage		 Keep in properly labelled containers. Store locked up. Keep tightly closed. Store in accordance with the particular national regulations. 						
Materi	als to avoid	 Do not store with the following product types: Self-reactive substances and mixtures Organic peroxides Oxidizing agents Explosives 						

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components

	Components	CA3-N0.	(Form of exposure)	ters / Permissible concentration	Dasis
	Enrofloxacin	93106-60-6	TWA	0.2 mg/m3 (OEB 2)	Internal
I	Sodium [2-[(2,6- dichloro- phenyl)amino]phenyl]acetate	15307-79-6	TWA	100 µg/m3 (OEB 2)	Internal
		Further informa	ation: Skin		
	Engineering measures :	technologies t less quick cor All engineerin design and op protect produc	o control airborn inections). g controls should erated in accord cts, workers, and	controls and manufac the concentrations (e.g d be implemented by dance with GMP princ the environment. require special contai	g., drip- facility ciples to
	Personal protective equipmen	t			
	Respiratory protection :	sure assessm ommended gu	ent demonstrate	ilation is not available s exposures outside spiratory protection.	
	Filter type : Hand protection	Combined par	ticulates and ore	ganic vapour type	
	Material :	Chemical-resi	stant gloves		
	Eye protection :	If the work en mists or aeros Wear a facesh	vironment or acti sols, wear the ap nield or other full	shields or goggles. ivity involves dusty co propriate goggles. face protection if the he face with dusts, m	ere is a
	Skin and body protection : Hygiene measures :	If exposure to		at. y during typical use, ty showers close to t	

Value type

Control parame-

Basis

Components with workplace control parameters

CAS-No.



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				Wash contaminate The effective oper engineering contra appropriate degov	ot eat, drink or smoke. ed clothing before re-use. ration of a facility should include review of ols, proper personal protective equipment, wning and decontamination procedures, monitoring, medical surveillance and the ive controls.
9. PH	IYSICA	L AND CHEMICAL P	ROP	ERTIES	
A	Appear	ance	:	liquid	
(Colour		:	light yellow	
(Odour		:	No data available	9
C	Odour ⁻	Threshold	:	No data available	9
F	рН		:	10.5 - 11.5 (as aqueous solu	ition)
Ν	Melting	point/freezing point	:	No data available	9
	Initial b range	oiling point and boiling	:	No data available	9
F	Flash p	oint	:	No data available	2
E	Evapor	ation rate	:	No data available	2
F	Flamma	ability (solid, gas)	:	Not applicable	
F	Flamma	ability (liquids)	:	No data available	9
		explosion limit / Upper bility limit	:	No data available	9
		explosion limit / Lower bility limit	:	No data available	9
١	Vapour	pressure	:	No data available	9
F	Relative	e vapour density	:	No data available	2
F	Relative	e density	:	No data available	9
[Density	,	:	1.07 - 1.08 g/cm ³	3
S	Solubili Wat	ty(ies) er solubility	:	soluble	
		n coefficient: n-	:	Not applicable	
	octanol Auto-ig	/water nition temperature	:	No data available	9



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Decomposition temperature	:	No data available	
Viscosity Viscosity, kinematic	:	No data available)
Explosive properties	:	Not explosive	
Oxidizing properties	:	The substance or	mixture is not classified as oxidizing.
Particle size	:	Not applicable	
10. STABILITY AND REACTIVITY			
Reactivity Chemical stability Possibility of hazardous reac- tions	:	Stable under norr Can react with str	a reactivity hazard. mal conditions. rong oxidizing agents.
Conditions to avoid Incompatible materials	:	None known. Oxidizing agents Acids	
Hazardous decomposition products	:		composition products are known.
11. TOXICOLOGICAL INFORMATI	ION		
Information on likely routes of exposure	:	Inhalation Skin contact Ingestion Eye contact	
Acute toxicity Not classified based on availab	ole ir	nformation.	
Product:			
Acute oral toxicity		Acute toxicity estin Method: Calculatio	mate: > 2,000 mg/kg on method
Acute inhalation toxicity	-	Acute toxicity estir Exposure time: 4 I Test atmosphere: Method: Calculatio	h dust/mist
Components:			
Enrofloxacin:			
Acute oral toxicity		LD50 (Rabbit): 50 LD50 (Rat): > 5,00	
	I	,,, _,, _	20
		LD50 (Mouse): >	5,000 mg/kg



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	zyl alcohol:			
	e oral toxicity	:	LD50 (Rat): 1,620) mg/kg
Acute	e inhalation toxicity	:	LC50 (Rat): > 4.1 Exposure time: 4 Test atmosphere: Method: OECD Te	h dust/mist
Sodi	um [2-[(2,6-dichlorophe	nyl)amino]phenyl]ac	etate:
	e oral toxicity	-	LD50 (Rat): 55 - 2	
			LD50 (Mouse): 17	′0 - 389 mg/kg
	e toxicity (other routes of nistration)	:	LD50 (Rat): 97 - 1 Application Route	
			LD50 (Mouse): 92 Application Route	
-	corrosion/irritation			
<u>Com</u>	ponents:			
-	floxacin:			
Resu	ılt	:	No skin irritation	
Benz	zyl alcohol:			
Spec	bies	:	Rabbit	
Meth Resu		:	OECD Test Guide No skin irritation	eline 404
	um [2-[(2,6-dichlorophe	-		etate:
Resu	IIT	:	irritating	
	ous eye damage/eye irri ses serious eye damage.	tati	on	
<u>Com</u>	ponents:			
•	floxacin:			
Resu	ılt	:	Mild eye irritation	
Benz	zyl alcohol:			
Spec	•	:	Rabbit	
Resu Meth		:	Irritation to eyes, I OECD Test Guide	reversing within 21 days eline 405





)	Revision Date: 2023/04/04		S Number: 39752-00016	Date of last issue: 2022/10/01 Date of first issue: 2017/01/26
Sodiu	ım [2-[(2,6-dichloro	phenyl)amino]phenyl]	acetate:
Resu	t	:	Mild eye irritatio	n
Resp	iratory or skin sens	sitisatio	n	
-	sensitisation assified based on av	vailable	information.	
	iratory sensitisation assified based on av		information.	
	oonents:			
Enro	loxacin:			
Test Expos Speci Resul	sure routes es	:	Maximisation T Dermal Guinea pig Not a skin sens	
Benz	yl alcohol:			
Test	Type sure routes es od	:	Maximisation T Skin contact Guinea pig OECD Test Gu negative	
Germ	cell mutagenicity			
Not cl	e cell mutagenicity assified based on av ponents:	ailable	information.	
Not cl <u>Com</u>	assified based on av	ailable	information.	
Not cl <u>Comp</u> Enrot	assified based on av	vailable :		omosomal aberration
Not cl <u>Comp</u> Enrof Geno	assified based on av ponents: loxacin:	vailable :	Test Type: Chr	onucleus test
Not cl <u>Comp</u> Enrof Geno	assified based on av ponents: floxacin: toxicity in vitro	vailable : :	Test Type: Chro Result: positive Test Type: Mico Species: Mouse Result: negative	ronucleus test e e nmalian bone marrow sister chromatid ex- ter
Not cl <u>Comp</u> Enrof Geno	assified based on av ponents: floxacin: toxicity in vitro	vailable : :	Test Type: Chra Result: positive Test Type: Micr Species: Mouse Result: negative Test Type: Mar change Species: Hams Result: negative	ronucleus test e e nmalian bone marrow sister chromatid ex- ter e omosomal aberration
Not cl Comr Enrof Geno	assified based on av <u>ponents:</u> floxacin: toxicity in vitro toxicity in vivo	vailable : :	Test Type: Chra Result: positive Test Type: Micr Species: Mouse Result: negative Test Type: Mar change Species: Hams Result: negative Test Type: Chra Species: Rat	ronucleus test e e nmalian bone marrow sister chromatid ex- ter e omosomal aberration
Not cl Comp Enrof Geno Geno	assified based on av ponents: floxacin: toxicity in vitro	vailable : :	Test Type: Chra Result: positive Test Type: Mice Species: Mouse Result: negative Test Type: Mar change Species: Hams Result: negative Test Type: Chra Species: Rat Result: negative	ronucleus test e e nmalian bone marrow sister chromatid ex- ter e omosomal aberration e terial reverse mutation assay (AMES)



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		cytogenetic Species: Mo Application Result: neg	buse Route: Intraperitoneal injection				
Sodiı	um [2-[(2,6-dichlorop	henyl)amino]pher	nyl]acetate:				
Geno	toxicity in vitro	: Test Type: I Result: neg	Bacterial reverse mutation assay (AMES) ative				
		Test Type: I Result: neg	Mouse Lymphoma ative				
Geno	Genotoxicity in vivo : Test Type: Chromosomal aberration Species: CHO Result: negative						
	nogenicity assified based on ava	ailable information.					
<u>Comp</u>	oonents:						
Enro	loxacin:						
Speci		: Rat					
	cation Route sure time	: Oral : 2 Years					
Resu		: negative					
Speci	es	: Mouse					
Applic	cation Route	: Oral					
	sure time	: 2 Years					
Resu	l	: negative					
Benz	yl alcohol:						
Speci		: Mouse					
Applic	cation Route sure time	: Ingestion : 103 weeks					
Metho			Guideline 451				
Resu	t	: negative					
Sodiu	ım [2-[(2,6-dichlorop	henvl)aminolpher	vilacetate.				
Speci		: Rat					
Applic	cation Route	: Oral					
	sure time	: 2 Years					
Resu	l	: negative					
Speci		: Mouse					
Applic	cation Route	: Oral					
Evno	sure time	Exposure time : 2 Years Result : negative					

Reproductive toxicity

Suspected of damaging fertility.



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<u>Comp</u>	onents:					
Enrof	loxacin:					
Effects	s on fertility	:	Species: Rat Application Rou Fertility: LOAEL	-generation study te: Oral : 15 mg/kg body weight on fertility, alteration in sperm morpholog		
Effects on foetal develop- ment		:	 Test Type: Development Species: Rat Application Route: Oral Developmental Toxicity: LOAEL: 210 mg/kg body weig Result: Reduced foetal weight, No teratogenic effects Remarks: Maternal toxicity observed. 			
Repro sessm	ductive toxicity - As- nent	:		of adverse effects on sexual function an n animal experiments.		
Benzy	/l alcohol:					
Effects	s on fertility	:	Species: Rat Application Rou Result: negative			
Effects ment	s on foetal develop-	:	Test Type: Emb Species: Mouse Application Rou Result: negative	te: Ingestion		
Sodiu	m [2-[(2,6-dichloroph	enyl)	amino]phenyl]a	acetate:		
	s on fertility	:	Test Type: Ferti Species: Rat, m Application Rou	lity ale and female te: Oral .: 4 mg/kg body weight		
Effects ment	s on foetal develop-	:				
			Test Type: Deve Species: Rabbit Application Rou Developmental			
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I		Result: En	bryo-foetal toxicity, No teratogenic effects
Repr sess	oductive toxicity - As- ment	: Suspected	of damaging the unborn child.
	T - single exposure classified based on avail	able information	
STO	T - repeated exposure		
May		s (Gastrointestir	through prolonged or repeated exposure. al tract, Blood, lymphatic system, Liver, Prostate)
<u>Com</u>	ponents:		
Targ	f loxacin: et Organs ssment	: cartilage, ⁻ : Causes da exposure.	Testis mage to organs through prolonged or repeated
Sodi	um [2-[(2,6-dichloroph	envl)aminoloh	nvllacetate.
Targ	et Organs ssment	: Gastrointe	stinal tract, Blood, lymphatic system, Liver, Prostate mage to organs through prolonged or repeated
Repe	eated dose toxicity		
<u>Com</u>	ponents:		
Enro	floxacin:		
Spec NOA		: Rat	
LOA		: 36 mg/kg : 150 mg/kg	
	cation Route	: Oral	
	et Organs	: 13 Weeks : Testis	
T arg	et organs	. 10303	
Spec		: Dog	
NOA LOA		: 3 mg/kg : 9.6 mg/kg	
Appli	cation Route	: Oral	
	et Organs	: 13 Weeks : cartilage	
Tary	erorgans	. cartilage	
Spec	ies	: Cat	
NOA	cation Route	: 25 mg/kg : Oral	
	sure time	: 30 Days	ant adverse effects were reported
Benz	zyl alcohol:		
Spec		: Rat	
NOA	EL cation Route	: 1.072 mg/	(dust/mist/fume)



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Exposure time : Method :			28 Days OECD Test Guideline 412				
Sodiu	ım [2-[(2,6-dichlorop	henyl)a	mino]phenyl]a	acetate:			
Expos		: (: (: (Rat 0.25 mg/kg Oral 98 w Gastrointestinal	tract, Blood, lymphatic system, Liver, Prostate			
Expos		: (Dog I mg/kg Dral I2 w Blood				
Expos	EL EL cation Route sure time t Organs	: (: { : { : {	Baboon 0.5 mg/kg 5 mg/kg Dral 52 w Gastrointestinal constipation, Di				
Not cl	ation toxicity assified based on ava rience with human e						
<u>Comp</u>	oonents:						
Enrof Inges	loxacin: tion			strointestinal disturbance, central nervous sys- nsitivity to light			
	ım [2-[(2,6-dichlorop						
Inges		: S	Symptoms: Abo	lominal pain, Diarrhoea, constipation, heart- n, Dizziness, Headache, Breathing difficulties,			
12. ECOLO	OGICAL INFORMATI	ON					
Ecoto	oxicity						
<u>Comp</u>	oonents:						
Enrof	loxacin:						
Toxici	ty to fish		C50 (Lepomis Exposure time:	macrochirus (Bluegill sunfish)): 79.5 mg/l 96 h			
			C50 (Oncorhy Exposure time:	nchus mykiss (rainbow trout)): > 196 mg/l 96 h			
		l	C50 (Oryzias I	atipes (Japanese medaka)): > 100 mg/l			

SAFETY DATA SHEET



Enrofloxacin / Diclofenac Liquid Formulation

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			Exposure time: 96	6 h
	/ to daphnia and other invertebrates	:	EC50 (Hyalella a: Exposure time: 96	zteca (Amphipod)): > 206 mg/l 6 h
			EC50 (Daphnia m Exposure time: 48	nagna (Water flea)): 79.9 mg/l 3 h
Toxicity plants	/ to algae/aquatic	:	EC50 (Pseudokire mg/l Exposure time: 72	chneriella subcapitata (green algae)): 3.1 2 h
			EC50 (Microcysti Exposure time: 5	s aeruginosa (blue-green algae)): 0.049 r d
M-Facto icity)	or (Acute aquatic tox-	:	10	
Toxicity aquatic	/ to daphnia and other invertebrates (Chron-	:	NOEC (Daphnia i Exposure time: 2	magna (Water flea)): 9.8 mg/l 1 d
ic toxici	ity)		NOEC (Daphnia i Exposure time: 2	magna (Water flea)): 5 mg/l 1 d
			LOEC (Daphnia r Exposure time: 2	nagna (Water flea)): 15 mg/l 1 d
M-Fact toxicity)	or (Chronic aquatic)	:	10	
Benzyl	alcohol:			
Toxicity	/ to fish	:	LC50 (Pimephale Exposure time: 96	s promelas (fathead minnow)): 460 mg/l 5 h
	/ to daphnia and other invertebrates	:	Exposure time: 48	nagna (Water flea)): 230 mg/l 3 h est Guideline 202
Toxicity plants	/ to algae/aquatic	:	EC50 (Pseudokin mg/l Exposure time: 72 Method: OECD T	
			NOEC (Pseudoki mg/l Exposure time: 72 Method: OECD T	
	/ to daphnia and other invertebrates (Chron- ity)	:	NOEC (Daphnia i Exposure time: 2 ⁻ Method: OECD T	
- Sodiun	n [2-[(2,6-dichlorophe	envl)aminolphenvllac	etate:
-	/ to fish	:	LC50 (Pimephale Exposure time: 90	s promelas (fathead minnow)): 166.6 mg

Method: OECD Test Guideline 203

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		/ to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
	Toxicity plants	/ to algae/aquatic	:	EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD Te	
				NOEC (Pseudokir mg/l Exposure time: 72 Method: OECD Te	
	Toxicity icity)	/ to fish (Chronic tox-	:	NOEC (Pimephale Exposure time: 32 Method: OECD Te	
		/ to daphnia and other invertebrates (Chron- ity)	:	NOEC (Daphnia n Exposure time: 21 Method: OECD Te	
	Persist	tence and degradabili	ty		
	Compo	onents:			
	Benzyl	alcohol:			
	Biodeg	radability	:	Result: Readily bio Biodegradation: 9 Exposure time: 14	2 - 96 %
	Bioacc	umulative potential			
	Compo	onents:			
1		oxacin: n coefficient: n- /water	:	log Pow: 0.5	
- II		a lcohol: n coefficient: n- /water	:	log Pow: 1.05	
	Sodiur	n [2-[(2,6-dichlorophe	nyl	amino]phenyl]ace	etate:
	Partitio octanol	n coefficient: n- /water	:	log Pow: 4.51	
	Mobilit	y in soil			
	Compo	onents:			
	Enrofic	oxacin:			
		ution among environ- compartments	:	Koc: 5.55	

SAFETY DATA SHEET



Enrofloxacin / Diclofenac Liquid Formulation

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	er adverse effects lata available				
13. DISP	OSAL CONSIDERATION	١S			
Disp	oosal methods				
Was	te from residues	:		cordance with local regulations.	
	taminated packaging	:	 Do not dispose of waste into sewer. Empty containers should be taken to an approved dling site for recycling or disposal. If not otherwise specified: Dispose of as unused pr 		
14. TRA	NSPORT INFORMATION	l			
Inte	rnational Regulations				
UNF	RTDG				
	number	:	UN 3082		
Prop	per shipping name	:	ENVIRONMENT N.O.S. (Enrofloxacin)	ALLY HAZARDOUS SUBSTANCE, LIQUID,	
Clas		:	9		
Paci Labe	king group els	:	 9		
IAT	A-DGR				
UN/	D No.	:	UN 3082		
Prop	per shipping name	:	Environmentally (Enrofloxacin)	hazardous substance, liquid, n.o.s.	
Clas		:	9		
	king group	:			
	king instruction (cargo	:	Miscellaneous 964		
	an) king instruction (passen- aircraft)	:	964		
	ronmentally hazardous	:	yes		
IMD	G-Code				
	number	:	UN 3082		
	per shipping name	:	ENVIRONMENT N.O.S. (Enrofloxacin)	ALLY HAZARDOUS SUBSTANCE, LIQUID,	
Clas		:	9		
	king group	:			
Labe	eis S Code	:	9 F-A, S-F		
	ne pollutant	÷	yes		
_		•			

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

Not applicable for product as supplied.

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



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Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. REGULATORY INFORMATION

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

Minister of Industry Regulation No. 23/M-IND/PER/4/2013 concerning the Revision of Minister of Industry Regulation No. 87/M-IND/PER/9/2009 concerning Globally Harmonized System of Classification and Labelling of Chemicals.

Regulation of the Minister of Health No. 472	of 1996 on the Safeguarding of Substances
Hazardous to Health	

Hazardous substances that must be registered	:	Not applicable
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Government Regulation No. 74 of 2001 on the Management of Hazardous and Toxic Substances

Hazardous substances approved for use	:	Not applicable
Prohibited substances	:	Not applicable
Restricted substances	:	Not applicable

Regulation of the Ministry of Trade No. 7 of 2022 on Distribution and Control of Hazardous Materials

Type of hazardous materials subject to distribution and : Not applicable control, Annex I

Type of hazardous materials subject to distribution and : Not applicable control, Annex II

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

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

16. OTHER INFORMATION

Revision Date	:	2023/04/04
Further information Sources of key data used to compile the Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- 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.

Date format



Enrofloxacin / Diclofenac Liquid Formulation

yyyy/mm/dd

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3.0	2023/04/04	1239752-00016

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Full text of other abbreviations

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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