

Version 4.0	Revision Date: 06.07.2024		S Number: I3110-00009	Date of last issue: 06.04.2024 Date of first issue: 13.10.2021
Section 1	: Identification			
Prod	uct identifier	:	Enrofloxacin Liqu	uid (20%) Formulation
Reco	mmended use of the ch	nem	ical and restriction	ons on use
	Recommended use Restrictions on use		Veterinary produ Not applicable	ict
Manu	Ifacturer or supplier's d	letai	ils	
Comp	bany	:	MSD	
Addre	ess	:	50 Tuas West Di Singapore - Sing	
Telep	hone	:	+1-908-740-400	0
Emer	gency telephone number	:	65 6697 2111 (2	4/7/365)
E-ma	il address	:	EHSDATASTEW	/ARD@msd.com

Section 2: Hazard identification

Classification of the substance or mixture

Acute toxicity (Oral)	:	Category 4
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)
Short-term (acute) aquatic hazard	:	Category 1
Long-term (chronic) aquatic hazard	:	Category 1

GHS Label elements, including precautionary statements Hazard pictograms :





ersion .0	Revision Date: 06.07.2024	SDS Number: 9743110-00009	Date of last issue: 06.04.2024 Date of first issue: 13.10.2021
Signa	al word	: Danger	
Hazard statements		: H302 Harmful H314 Causes H361f Suspec H372 Causes prolonged or re	if swallowed. severe skin burns and eye damage. ted of damaging fertility. damage to organs (cartilage, Testis) through epeated exposure. ic to aquatic life with long lasting effects.
Preca	autionary statements	P202 Do not h and understoo P260 Do not b P264 Wash sk P270 Do not e P273 Avoid ret P280 Wear pro	pecial instructions before use. andle until all safety precautions have been re d. reathe mist or vapours. in thoroughly after handling. at, drink or smoke when using this product. lease to the environment. otective gloves/ protective clothing/ eye protected action/ hearing protection.
		Response:	
		Do NOT induc CENTER/ doct P303 + P361 + immediately al shower. Immed P304 + P340 + and keep comt POISON CEN P305 + P351 + water for seven and easy to do CENTER/ doct P308 + P313 I attention.	 P353 + P310 IF ON SKIN (or hair): Take off I contaminated clothing. Rinse skin with water diately call a POISON CENTER/ doctor. P310 IF INHALED: Remove person to fresh fortable for breathing. Immediately call a TER/ doctor. P338 + P310 IF IN EYES: Rinse cautiously v ral minutes. Remove contact lenses, if presen b. Continue rinsing. Immediately call a POISOI tor. F exposed or concerned: Get medical advice/ ontaminated clothing before reuse.
		Storage:	
		P405 Store loc	ked up.
		Disposal:	
		P501 Dispose disposal plant.	of contents/ container to an approved waste

Corrosive to the respiratory tract. May form explosive dust-air mixture during processing, handling or other means.

Section 3: Composition/information on ingredients



Version Revision Date: SDS Number: Date of last issue: 06.04.2024 4.0 06.07.2024 9743110-00009 Date of first issue: 13.10.2021	/ersion I.0		SDS Number: 9743110-00009	Date of last issue: 06.04.2024 Date of first issue: 13.10.2021	
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------	--	------------------------------	-------------------------------------------------------------------	--

Substance / Mixture : Mixture

Components		
Chemical name	CAS-No.	Concentration (% w/w)
Enrofloxacin	93106-60-6	>= 20 -< 25
Potassium hydroxide	1310-58-3	>= 5 -< 10
Disodium EDTA, dihydrate	6381-92-6	>= 1 -< 10
Benzyl alcohol	100-51-6	>= 0.1 -< 1

Section 4: First-aid measures

Description of necessary 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.				
If inhaled :	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.				
In case of skin contact :	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean shoes before reuse.				
In case of eye contact :	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention immediately.				
If swallowed :	If swallowed, DO NOT induce vomiting. If vomiting occurs have person lean forward. Call a physician or poison control centre immediately. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.				
Most important symptoms and	l effects, both acute and delayed				
Risks :	Harmful if swallowed. Causes serious eye damage. Suspected of damaging fertility. Causes damage to organs through prolonged or repeated exposure. Causes severe burns. Causes digestive tract burns. Corrosive to respiratory system.				
Protection of first-aiders :					
Indication of any immediate m	edical attention and special treatment needed				
Treatment :	Treat symptomatically and supportively.				



Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
4.0	06.07.2024	9743110-00009	Date of first issue: 13.10.2021

Section 5: Fire-fighting measures

Extinguishing media		
Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
Special hazards arising from	n th	e substance or mixture
Specific hazards during fire- fighting	:	Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides Metal oxides Nitrogen oxides (NOx)
Special protective actions fo	or fi	re-fighters
Special protective equipment for firefighters Specific extinguishing meth- ods	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. 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

	uipment and emergency procedures Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
Environmental precautions Environmental precautions :	Avoid release to the environment.
	Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containn Methods for cleaning up :	



Version 4.0	Revision Date: 06.07.2024	SDS Number: 9743110-00009	Date of last issue: 06.04.2024 Date of first issue: 13.10.2021
			naterial from spreading. If dyked material can pre recovered material in appropriate container.
		Clean up remain bent. Local or nation posal of this ma employed in the mine which reg Sections 13 an	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- iulations are applicable. d 15 of this SDS provide information regarding national requirements.

Section 7: Handling and storage

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 :	If sufficient ventilation is unavailable, use with local exhaust ventilation.
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 safety practice, based on the results of the workplace exposure as- sessment Keep container tightly closed. 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. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the
Hygiene measures :	environment. 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 use of administrative controls.
Conditions for safe storage, in	cluding any incompatibilities
Conditions for safe storage :	Keep in properly labelled containers.

Conditions for safe storage	:	Keep in properly labelled containers.
		Store locked up.
		Keep tightly closed.



Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
4.0	06.07.2024	9743110-00009	Date of first issue: 13.10.2021
Materi	als to avoid	: Do not store wit	

Section 8: Exposure controls/personal protection

Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Enrofloxacin	93106-60-6	TWA	0.2 mg/m3 (OEB 2)	Internal
Potassium hydroxide	1310-58-3	PEL (short term)	2 mg/m3	SG OEL
		С	2 mg/m3	ACGIH

Appropriate engineering : control measures	Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., dripless 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.
Individual protection measures	s, such as personal protective equipment (PPE)
Eye/face 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 protection : Respiratory protection :	Work uniform or laboratory coat. If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection.
Filter type : Hand protection Material :	Particulates type Chemical-resistant gloves

Section 9: Physical and chemical properties

Appearance	: Aqueous solution
Colour	: light yellow



Version 4.0	Revision Date: 06.07.2024		S Number: 3110-00009	Date of last issue: 06.04.2024 Date of first issue: 13.10.2021
Od	our	:	No data available	9
Od	our Threshold	:	No data available	9
pН		:	10.5 - 12.5	
Me	Iting point/freezing point	:	No data available	9
Init rar	ial boiling point and boiling nge	:	No data available	9
Fla	ish point	:	No data available	9
Ev	aporation rate	:	No data available	9
Fla	mmability (solid, gas)	:	May form explosi dling or other me	ive dust-air mixture during processing, han- ans.
Fla	mmability (liquids)	:	Not applicable	
	per explosion limit / Upper mmability limit	:	No data available	9
	wer explosion limit / Lower mmability limit	:	No data available	9
Va	pour pressure	:	No data available	9
Re	lative vapour density	:	No data available	9
Re	lative density	:	No data available	9
De	nsity	:	0.950 - 1.150 g/c	m ³
So	lubility(ies) Water solubility	:	No data available	
	rtition coefficient: n- anol/water	:	Not applicable	
	to-ignition temperature	:	No data available	9
De	composition temperature	:	No data available	9
Vis	cosity Viscosity, kinematic	:	No data available	
Ex	plosive properties	:	Not explosive	
Ox	idizing properties	:	The substance of	r mixture is not classified as oxidizing.



ersion 0	Revision Date: 06.07.2024	-	S Number: 43110-00009	Date of last issue: 06.04.2024 Date of first issue: 13.10.2021		
Moloc	ular weight		No data availabl			
Molec	ular weight	•	INU Udla avallabi			
	le characteristics le size	:	Not applicable			
ection 10): Stability and reactivi	ity				
	ivity ical stability bility of hazardous reac-	:	Stable under no	sive dust-air mixture during processing, han-		
			Can react with s	trong oxidizing agents.		
	tions to avoid patible materials	:	Heat, flames an Avoid dust form	ation.		
	-	•	: Oxidizing agents Acids			
Hazar produ	dous decomposition	:	No hazardous d	ecomposition products are known.		
ection 11	I: Toxicological inform	natio	on			
Inform expos	nation on likely routes of sure	:	Inhalation Skin contact Ingestion Eye contact			
Acute	e toxicity		2			
	ful if swallowed.					
Produ	<u>uct:</u>					
Acute	oral toxicity	:	Acute toxicity est Method: Calculat	imate: 1,818 mg/kg ion method		
Acute	inhalation toxicity	:	Acute toxicity est Exposure time: 4 Test atmosphere Method: Calculat	h : dust/mist		
<u>Comp</u>	oonents:					
	loxacin:					
Acute	oral toxicity	:	LD50 (Rabbit): 5	00 - 800 mg/kg		
			LD50 (Rat): > 5,0	000 mg/kg		
			LD50 (Mouse): >	5.000 mg/kg		
			· · · · ·	· 5 5		



ersion .0	Revision Date: 06.07.2024		DS Number: 43110-00009	Date of last issue: 06.04.2024 Date of first issue: 13.10.2021
Potas	sium hydroxide:			
	oral toxicity	:	LD50 (Rat): 333	3 mg/kg
Acute	inhalation toxicity	:	Assessment: Co	prrosive to the respiratory tract.
Disod	lium EDTA, dihydrat	e:		
Acute	oral toxicity	:	LD50 (Rat): 2,80	00 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat, male Exposure time: Test atmosphere Method: OECD	6 h
-	/l alcohol: oral toxicity	:	LD50 (Rat): 1,62	20 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): > 4. Exposure time: - Test atmosphere Method: OECD	4 h
	corrosion/irritation			
Comp	onents:			
Enrof Result	loxacin:		No skin irritation	
TC50	L C C C C C C C C C C C C C C C C C C C	•		I
Potas Specie Result		:	Rabbit Corrosive after 3	3 minutes or less of exposure
Bonzi	/l alcohol:			
Specie Metho Result	es id	: : :	Rabbit OECD Test Gui No skin irritation	
	u s eye damage/eye i es serious eye damag		on	
	onents:	,		
	loxacin:			
Result		:	Mild eye irritatio	n
Potas	sium hydroxide:			
Specie	es	:	Rabbit	
			9 / 20	



Vers 4.0	sion	Revision Date: 06.07.2024		9S Number: 43110-00009	Date of last issue: 06.04.2024 Date of first issue: 13.10.2021
	Desult				
	Result		•	Irreversible effects	s on the eye
		um EDTA, dihydrate:			
	Species Result	3	:	Rabbit No eye irritation	
	Bonzvi	alcohol:			
	-			Rabbit	
	Species Result		:		eversing within 21 days
	Method		:	OECD Test Guide	
	Respira	atory or skin sensitis	atio	n	
		ensitisation			
	Not clas	ssified based on availa	ble	information.	
	Respira	atory sensitisation			
	Not clas	ssified based on availa	ble	information.	
	<u>Compo</u>	onents:			
	Enrofic	oxacin:			
	Test Ty		:	Maximisation Test	t
		re routes	÷	Dermal	
	Species Result		÷	Guinea pig Not a skin sensitiz	er.
	Defea	·			
		ium hydroxide:		1. (- 1
	Test Ty	pe re routes	÷	Intracutaneous tes Skin contact	St
	Species		÷	Guinea pig	
	Result		:	negative	
	Disodiu	um EDTA, dihydrate:			
	Test Ty	ре	:	Maximisation Test	t
		re routes	:	Skin contact	
	Species		÷	Guinea pig	
	Method Result		÷	OECD Test Guide negative	aine 406
	Remark	s	:		m similar materials
	Benzyl	alcohol:			
	Test Ty		:	Maximisation Test	t
		re routes	:	Skin contact	
	Species		:	Guinea pig	line 406
	Method Result		÷	OECD Test Guide negative	
	rtoouit		•	nogativo	





ersion 0	Revision Date: 06.07.2024		S Number: 43110-00009	Date of last issue: 06.04.2024 Date of first issue: 13.10.2021
	cell mutagenicity	-: - - -		
_	assified based on ava conents:	allable	information.	
	loxacin:			
Geno	toxicity in vitro	:	Test Type: Chro Result: positive	omosomal aberration
Geno	toxicity in vivo	:	Test Type: Micr Species: Mouse Result: negative	9
			Test Type: Man change Species: Hams Result: negative	
			Test Type: Chro Species: Rat Result: negative	omosomal aberration e
Potas	sium hydroxide:			
Geno	toxicity in vitro	:	Test Type: Bac Result: negative	terial reverse mutation assay (AMES) e
Disod	lium EDTA, dihydra	te:		
Geno	toxicity in vitro	:	Result: negative	terial reverse mutation assay (AMES) e d on data from similar materials
			Test Type: In vi Result: negative	itro mammalian cell gene mutation test e
			Result: negative	omosome aberration test in vitro e d on data from similar materials
Geno	toxicity in vivo	:	cytogenetic ass Species: Mouse Application Rou	e ute: Ingestion Test Guideline 474
Benz	yl alcohol:			
-	toxicity in vitro	:	Test Type: Bac Result: negative	terial reverse mutation assay (AMES) e
Geno	toxicity in vivo	:	Test Type: Man	nmalian erythrocyte micronucleus test (in viv





Version 4.0	Revision Date: 06.07.2024	SDS Number: 9743110-00009	Date of last issue: 06.04.2024 Date of first issue: 13.10.2021
		cytogenetic ass Species: Mouse Application Rou Result: negative	te: Intraperitoneal injection
	cinogenicity classified based on avail	able information.	
<u>Con</u>	nponents:		
Spe App	lication Route osure time	: Rat : Oral : 2 Years : negative	
	lication Route osure time	: Mouse : Oral : 2 Years : negative	
Spe App Expo Res	lication Route osure time	: Rat : Ingestion : 103 weeks : negative	rom similar materials
Spe App	lication Route osure time nod	: Mouse : Ingestion : 103 weeks : OECD Test Gui : negative	deline 451
-	roductive toxicity pected of damaging fertil	ity.	
Con	nponents:		
	ofloxacin: cts on fertility	Species: Rat Application Rou Fertility: LOAEL	-generation study te: Oral : 15 mg/kg body weight on fertility, alteration in sperm morphology
Effe men	cts on foetal develop- t	: Test Type: Deve Species: Rat Application Rou	



Versi 4.0	ion	Revision Date: 06.07.2024		9S Number: 43110-00009	Date of last issue: 06.04.2024 Date of first issue: 13.10.2021
	-	uctive toxicity - As-	:	Result: Reduced Remarks: Matern Test Type: Devel Species: Rabbit Application Route Developmental T Result: No fetoto Some evidence of	e: Oral oxicity: NOAEL: 25 mg/kg body weight kicity, No teratogenic effects f adverse effects on sexual function and
\$	sessme	ent		fertility, based on	animal experiments.
I	Disodiı	um EDTA, dihydrate:			
I	Effects	on fertility	:	Species: Rat Application Route Result: negative	generation reproduction toxicity study e: Ingestion on data from similar materials
	Effects ment	on foetal develop-	:	Test Type: Embry Species: Rat Application Route Result: negative	vo-foetal development e: Ingestion
	Benzvl	alcohol:			
	-	on fertility	:	Species: Rat Application Route Result: negative	y/early embryonic development e: Ingestion on data from similar materials
	Effects ment	on foetal develop-	:	Test Type: Embry Species: Mouse Application Route Result: negative	vo-foetal development e: Ingestion
	етот	single expessive			

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Causes damage to organs (cartilage, Testis) through prolonged or repeated exposure.

Components:

Enrofloxacin:

Target Organs Assessment	cartilage, Testis Causes damage to organs through prolonged or repeated
	exposure.



ersion .0	Revision Date: 06.07.2024	SDS Number: 9743110-00009	Date of last issue: 06.04.2024 Date of first issue: 13.10.2021
Expos Targe	dium EDTA, dihydrate sure routes et Organs ssment	: inhalation (due : Respiratory Tr	
Repe	ated dose toxicity		
<u>Comp</u>	oonents:		
Speci NOAE LOAE Applic Expos	EL	: Rat : 36 mg/kg : 150 mg/kg : Oral : 13 Weeks : Testis	
Expos	EL	: Dog : 3 mg/kg : 9.6 mg/kg : Oral : 13 Weeks : cartilage	
	EL cation Route sure time	: Cat : 25 mg/kg : Oral : 30 Days : No significant	adverse effects were reported
Speci NOAE Applic		: Rat : 500 mg/kg : Ingestion : 13 Weeks	
	L cation Route sure time	: Rat : 0.03 mg/l : inhalation (dus : 4 Weeks : OECD Test G	
Speci NOAE Applic	EL cation Route sure time	: Rat : 1.072 mg/l : inhalation (dus : 28 Days : OECD Test G	



ersion .0	Revision Date: 06.07.2024	-	0S Number: 43110-00009	Date of last issue: 06.04.2024 Date of first issue: 13.10.2021		
Not cla	ation toxicity assified based on availa ience with human exp					
-	onents:					
Enrof Ingest	loxacin: ion	:	Symptoms: Gastrointestinal disturbance, central nervous system effects, Sensitivity to light			
ection 12 Toxic	2: Ecological informati ity	on				
<u>Comp</u>	oonents:					
	loxacin: ty to fish	:	LC50 (Lepomis Exposure time:	macrochirus (Bluegill sunfish)): 79.5 mg/l 96 h		
			LC50 (Oncorhy Exposure time:	nchus mykiss (rainbow trout)): > 196 mg/l 96 h		
			LC50 (Oryzias Exposure time:	latipes (Japanese medaka)): > 100 mg/l 96 h		
Toxicity to daphnia and other aquatic invertebrates		:	EC50 (Hyalella Exposure time:	azteca (Amphipod)): > 206 mg/l 96 h		
			EC50 (Daphnia Exposure time:	magna (Water flea)): 79.9 mg/l 48 h		
Toxicity to algae/aquatic plants		:	EC50 (Pseudol mg/l Exposure time:	kirchneriella subcapitata (green algae)): 3.1 72 h		
			EC50 (Microcys Exposure time:	stis aeruginosa (blue-green algae)): 0.049 mg 5 d		
	ctor (Acute aquatic tox-	:	10			
icity) Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)			NOEC (Daphni Exposure time:	a magna (Water flea)): 9.8 mg/l 21 d		
	ory,		NOEC (Daphni Exposure time:	a magna (Water flea)): 5 mg/l 21 d		
			LOEC (Daphnia Exposure time:	a magna (Water flea)): 15 mg/l 21 d		
M-Fac toxicit	ctor (Chronic aquatic y)	:	10			



Version 4.0	Revision Date: 06.07.2024		OS Number: 43110-00009	Date of last issue: 06.04.2024 Date of first issue: 13.10.2021
Disoc	dium EDTA, dihydrate:			
	ity to fish	:	Exposure time: 9	nacrochirus (Bluegill sunfish)): > 100 mg/l 6 h on data from similar materials
	ity to daphnia and other ic invertebrates	:	: EC50 (Daphnia magna (Water flea)): 140 mg/l Exposure time: 48 h Method: DIN 38412	
Toxici plants	ity to algae/aquatic	:	mg/l Exposure time: 7 Method: OECD 7	irchneriella subcapitata (green algae)): > 100 2 h Test Guideline 201 on data from similar materials
			mg/l Exposure time: 7 Method: OECD 1	rchneriella subcapitata (green algae)): > 1 2 h Test Guideline 201 on data from similar materials
	ity to daphnia and other ic invertebrates (Chron- icity)	:	NOEC (Daphnia Exposure time: 2	magna (Water flea)): 25 mg/l 1 d
	ity to microorganisms	:	: EC10 (activated sludge): > 500 mg/l Exposure time: 30 min Method: OECD Test Guideline 209	
Benz	yl alcohol:			
Toxici	ity to fish	:	LC50 (Pimephale Exposure time: 9	es promelas (fathead minnow)): 460 mg/l 6 h
	ity to daphnia and other ic invertebrates	:	Exposure time: 4	nagna (Water flea)): 230 mg/l 8 h Fest Guideline 202
Toxici plants	ity to algae/aquatic	:	mg/l Exposure time: 7	rchneriella subcapitata (green algae)): 770 2 h Fest Guideline 201
			mg/l Exposure time: 7	irchneriella subcapitata (green algae)): 310 2 h ⁻ est Guideline 201
	ity to daphnia and other ic invertebrates (Chron- icity)	:	Exposure time: 2	magna (Water flea)): 51 mg/l 1 d ⁻ est Guideline 211



ersion 0	Revision Date: 06.07.2024		OS Number: 43110-00009	Date of last issue: 06.04.2024 Date of first issue: 13.10.2021
Persi	stence and degradabi	lity		
<u>Com</u>	ponents:			
	dium EDTA, dihydrate: gradability	:	Biodegradation Exposure time:	
	yl alcohol: gradability	:	Result: Readily Biodegradation Exposure time:	: 92 - 96 %
Bioad	ccumulative potential			
Com	oonents:			
Partit	f loxacin: ion coefficient: n- ol/water	:	log Pow: 0.5	
	dium EDTA, dihydrate: cumulation	:	Bioconcentratio	nis macrochirus (Bluegill sunfish) n factor (BCF): < 500 d on data from similar materials
	ion coefficient: n- ol/water	:	log Pow: -4.3	
Benz Partiti octan	yl alcohol: ion coefficient: n- ol/water lity in soil	:	log Pow: 1.05	
	oonents:			
Enro f Distril	floxacin: bution among environ- al compartments	:	Koc: 5.55	
	r adverse effects ata available			

Section 13: Disposal c	onsiderations
------------------------	---------------

Disposal methods		
Waste from residues	:	Do not dispose of waste into sewer.
Contaminated packaging	:	Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste han-



Version 4.0	Revision Date: 06.07.2024		lumber: 10-00009	Date of last issue: 06.04.2024 Date of first issue: 13.10.2021
				ycling or disposal. specified: Dispose of as unused product.
Section 1	4: Transport information	on		
Inter	national Regulations			
UN p Tran Pack Labe	number proper shipping name sport hazard class(es) ing group			YDROXIDE SOLUTION
UN/II UN p Tran Pack Labe Pack aircra Pack	ing instruction (cargo	: Po : 8 : II	-	oxide solution
UN r	G-Code number er shipping name	: PC	N 1814 DTASSIUM H` hrofloxacin)	PROXIDE SOLUTION
Pack Labe EmS Marir	sport hazard class(es) ing group ils Code ne pollutant	: 8 : II : 8 : F-/ : ye	A, S-B s	

Transport in bulk according to IMO instruments

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 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 specific for the product in question

Workplace Safety and Health Act and Workplace Safety and Health (General Provisions) Regulations: This product is subjected to the SDS, labelling, PEL and other requirements in the Act/Regulations.

Environmental Protection and Management Act and : Not applicable





Versio 4.0	n Revision Date: 06.07.2024		S Number: 43110-00009	Date of last issue: 06.04.2024 Date of first issue: 13.10.2021			
	nvironmental Protection and us Substances) Regulations	Ma	nagement (Hazard	-			
	re Safety (Petroleum and Flaegulations	amn	nable Materials)	: Not applicable			
Т	he components of this pro	duc	t are reported in t	he following inventories:			
A	ICS	:	not determined				
D	SL	:	not determined				
IE	CSC	:	not determined				
Sectio	n 16: Other information						
R	evision Date	:	06.07.2024				
F	urther information						
CC	ources of key data used to ompile the Safety Data heet	:		data, data from raw material SDSs, OECD rch results and European Chemicals Agen- opa.eu/			
	ems where changes have be ocument by two vertical lines		made to the previou	us version are highlighted in the body of this			
D	ate format	:	dd.mm.yyyy				
F	ull text of other abbreviation	ons					
	CGIH G OEL	:	Singapore. Workp	eshold Limit Values (TLV) lace Safety and Health (General Provisions) t Schedule Permissible Exposure Limits of			
	CGIH / C G OEL / PEL (short term)	:	Ceiling limit Permissible Expos	sure Level (PEL) Short Term			
Là C S E X ^c te - E C C M	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 Sys- tem; 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 con- centration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemi- cal Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Or- ganisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Con-						

centration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median



Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
4.0	06.07.2024	9743110-00009	Date of first issue: 13.10.2021

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.

SG / EN