

Versio 10.1	on	Revision Date: 30.09.2023		S Number: 054-00023		sue: 04.04.2023 sue: 04.11.2014
Sectio	on 1: l	dentification				
F	Product	t name	:	Florfenicol / Flun	ixin Formulation	
N	/lanufa	acturer or supplier's d	letai	ls		
C	Compa	ny	:	MSD		
A	ddres	S	:	33 Whakatiki Stre Upper Hutt - New		g 908
Т	elepho	one	:	0800 800 543		
E	Emerge	ency telephone number	• :	0800 764 766 (08 CHEMCALL)	800 POISON)	0800 243 622 (0800
E	E-mail a	address	:	EHSDATASTEW	/ARD@msd.cor	n
R	Recom	mended use of the ch	nem	ical and restriction	ons on use	
		mended use	:	Veterinary produ	ct	
H	Restrict	ions on use	:	Not applicable		
Sectio	on 2: H	lazard identification				
G	SHS C	lassification				
А	Acute to	oxicity (Inhalation)	:	Category 4		

Acute toxicity (Inhalation)	:	Category 4
Serious eye damage/eye irri- tation	:	Category 2
Reproductive toxicity	:	Category 1
Specific target organ toxicity - repeated exposure	:	Category 1 (Liver, Brain, Testis, Spinal cord, Blood, gallblad- der)
Specific target organ toxicity - repeated exposure	:	Category 2 (Gastrointestinal tract, Kidney)
Hazardous to the aquatic environment - acute hazard	:	Category 1
Hazardous to the aquatic environment - chronic hazard	:	Category 1

GHS label elements



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Haza	rd pictograms		!
Signa	l word	: Danger	\mathbf{v}
Haza	rd statements	H332 Harmfu H360FD May H372 Causes cord, Blood, g sure. H373 May ca Kidney) throu	s serious eye irritation. I if inhaled. damage fertility. May damage the unborn child damage to organs (Liver, Brain, Testis, Spina gallbladder) through prolonged or repeated exp use damage to organs (Gastrointestinal tract, igh prolonged or repeated exposure. xic to aquatic life with long lasting effects.
Preca	utionary statements	P260 Do not P264 Wash s P270 Do not P271 Use on P273 Avoid re	special instructions before use. breathe mist or vapours. kin thoroughly after handling. eat, drink or smoke when using this product. ly outdoors or in a well-ventilated area. elease to the environment. rotective gloves/ protective clothing/ eye protected tection.
		and keep con doctor if you f P305 + P351 for several mi easy to do. C P308 + P313 attention.	+ P338 IF IN EYES: Rinse cautiously with wat inutes. Remove contact lenses, if present and ontinue rinsing. IF exposed or concerned: Get medical advice, If eye irritation persists: Get medical advice/ a
		Storage: P405 Store Ic	
		Disposal:	e of contents/ container to an approved waste

None known.

Section 3: Composition/information on ingredients



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Substance / Mixture : Mixture

Components		
Chemical name	CAS-No.	Concentration (% w/w)
2-Pyrrolidone	616-45-5	>= 20 -< 30
Florfenicol	73231-34-2	>= 20 -< 25
Malic Acid	6915-15-7	>= 1 -< 10
1-deoxy-1-(methylamino)-D-glucitol 2-[2- methyl-3-(perfluoromethyl)anilino]nicotinate	42461-84-7	>= 1 -< 2.5

Section 4: 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.
In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. 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.
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	:	
Protection of first-aiders	:	·
Notes to physician	:	Treat symptomatically and supportively.

Section 5: Fire-fighting measures

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2)
		Dry chemical
Unsuitable extinguishing	:	None known.



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media Specific hazards during fire- fighting Hazardous combustion prod- ucts Specific extinguishing meth- ods		: :	Carbon oxides Fluorine compoun Nitrogen oxides (Use extinguishing cumstances and Use water spray Remove undama so. Evacuate area. In the event of fire	NOx) g measures that are appropriate to local cir- the surrounding environment. to cool unopened containers. ged containers from fire area if it is safe to d e, wear self-contained breathing apparatus.
Hazch	efighters nem Code	:	3Z	tective equipment.
ection 6:	Accidental release me	easi	ures	
tive ec	nal precautions, protec- quipment and emer- procedures	:	Follow safe hand	tective equipment. ling advice (see section 7) and personal pro t recommendations (see section 8).
Enviro	onmental precautions	:	Prevent spreadin barriers). Retain and dispo	eakage or spillage if safe to do so. g over a wide area (e.g. by containment or c se of contaminated wash water. should be advised if significant spillages
	ods and materials for nment and cleaning up	:	For large spills, p ment to keep mat be pumped, store Clean up remaini bent. Local or national posal of this mate employed in the o mine which regul Sections 13 and	t absorbent material. rovide dyking or other appropriate contain- terial from spreading. If dyked material can a recovered material in appropriate containe ng materials from spill with suitable absor- regulations may apply to releases and dis- erial, as well as those materials and items cleanup of releases. You will need to deter- ations are applicable. 15 of this SDS provide information regarding ational requirements.

Section 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 exhaust ventilation.
Advice on safe handling	:	Do not get on skin or clothing. Do not breathe mist or vapours.



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Hyş	giene measures	 Handle in acc practice, base sessment Keep containe Do not eat, dr Take care to p environment. If exposure to flushing syste place. When using d Wash contam The effective of engineering co appropriate de industrial hygi 	
Co	nditions for safe storage		rly labelled containers. .p.
Ма	terials to avoid	Store in accor	I, well-ventilated place. dance with the particular national regulations. vith the following product types: ng agents

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
Florfenicol	73231-34-2	TWA	100 μg/m3 (OEB 2)	Internal
1-deoxy-1-(methylamino)-D- glucitol 2-[2-methyl-3- (perfluorome- thyl)anilino]nicotinate	42461-84-7	TWA	40 µg/m3 (OEB 3)	Internal
	Further information: Skin			
		Wipe limit	400 µg/100 cm ²	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. Containment technologies suitable for controlling compounds
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Perso	onal protective equipn	nent		
Fil	ratory protection ter type protection	:	sure assessment ommended guide	exhaust ventilation is not available or expo- demonstrates exposures outside the rec- lines, use respiratory protection. lates and organic vapour type
Ma	aterial	:	Chemical-resistar	nt gloves
Eyep	emarks rotection and body protection	:	If the work environ mists or aerosols, Wear a faceshield potential for direct aerosols. Work uniform or la Additional body g	ses with side shields or goggles. nment or activity involves dusty conditions, wear the appropriate goggles. d or other full face protection if there is a t contact to the face with dusts, mists, or aboratory coat. arments should be used based upon the
			posable suits) to a	ned (e.g., sleevelets, apron, gauntlets, dis- avoid exposed skin surfaces. degowning techniques to remove potentially thing.
Section 9:	Physical and chemic	al pr	operties	
Арреа	arance	:	liquid	

Appearance	•	iiquiu
Colour	:	yellow
Odour	:	No data available
Odour Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	No data available





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	er explosion limit / Upper mability limit	:	No data available	9
	er explosion limit / Lower mability limit	:	No data available	
Vapo	our pressure	:	No data available	9
Rela	tive vapour density	:	No data available	
Rela	tive density	:	1.22	
Dens	sity	:	No data available)
	bility(ies) /ater solubility	:	No data available	
	tion coefficient: n- nol/water	:	Not applicable	
	-ignition temperature	:	No data available	9
Deco	omposition temperature	:	No data available	9
Visco V	osity ïscosity, kinematic	:	No data available	9
Expl	osive properties	:	Not explosive	
Oxid	izing properties	:	The substance o	r mixture is not classified as oxidizing.
Mole	ecular weight	:	No data available	9
Parti	cle size	:	Not applicable	

Section 10: Stability and reactivity

Reactivity Chemical stability Possibility of hazardous reac- tions	:	Not classified as a reactivity hazard. Stable under normal conditions. Can react with strong oxidizing agents.
Conditions to avoid Incompatible materials Hazardous decomposition products		None known. Oxidizing agents No hazardous decomposition products are known.

Section 11: Toxicological information

Exposure ro	outes
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: Inhalation



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			Ingestion Eye contact	
	e toxicity ful if inhaled.			
Produ	uct:			
Acute	oral toxicity	:	Acute toxicity esti Method: Calculati	mate: > 2,000 mg/kg on method
Acute	inhalation toxicity	:	Acute toxicity esti Exposure time: 4 Test atmosphere: Method: Calculati	h dust/mist
<u>Comp</u>	oonents:			
-	rolidone:			
Acute	oral toxicity	:	LD50 (Rat): > 2,00 Method: OECD To Assessment: The icity	
Acute	dermal toxicity	:	LD50 (Rabbit): > 2 Method: OECD To Assessment: The toxicity	
Florfe	enicol:			
Acute	oral toxicity	:	LD50 (Rat): > 2,0	00 mg/kg
			LD50 (Mouse): >	2,000 mg/kg
			LD50 (Dog): > 1,2	280 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): > 0.2 Exposure time: 4	
Acute	dermal toxicity	:	Remarks: No data	a available
	toxicity (other routes of nistration)	:	LD50 (Rat): 1,913 Application Route	
			LD50 (Mouse): 10 Application Route	
Malic	Acid:			
Acute	oral toxicity	:	LD50 (Rat): 3,500	mg/kg
Acute	dermal toxicity	:	LD50 (Rabbit): > Remarks: Based	5,000 mg/kg on data from similar materials





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1-deoxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate:

Acute oral toxicity :	LD50 (Rat): 53 - 157 mg/kg
	LD50 (Mouse): 176 - 249 mg/kg
	LD50 (Guinea pig): 488.3 mg/kg
	LD50 (Monkey): 300 mg/kg
Acute inhalation toxicity :	LC50 (Rat): < 0.52 mg/l Exposure time: 4 h Test atmosphere: dust/mist
Acute toxicity (other routes of : administration)	LD50 (Rat): 59.4 - 185.3 mg/kg Application Route: Intraperitoneal
	LD50 (Mouse): 164 - 363 mg/kg Application Route: Intraperitoneal

Skin corrosion/irritation

Not classified based on available information.

Components:

2-Pyrrolidone:

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No skin irritation

Florfenicol:

Species	:	Rabbit
Result	:	No skin irritation

Malic Acid:

Species :	Rabbit
Method :	OECD Test Guideline 404
Result :	No skin irritation
Remarks :	Based on data from similar materials

1-deoxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate:

Species	:	Rabbit
Result	:	Mild skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.



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Com	oonents:		
-	rolidone:		
Speci		: Rabbit	
Resu	lt	: Irritation to eye	es, reversing within 7 days
Florfe	enicol:		
Speci		: Rabbit	
Resu	lt	: Mild eye irritat	ion
Malic	Acid:		
Speci		: Rabbit	
Resu		: Irritation to eye	es, reversing within 21 days
Metho		: OECD Test G	
Rema	arks	: Based on data	from similar materials
1-dec	oxy-1-(methylamino)	D-glucitol 2-[2-meth	yl-3-(perfluoromethyl)anilino]nicotina
Speci		: Rabbit	
Resu	lt	: Irreversible eff	ects on the eye
Skin	iratory or skin sens sensitisation		
Skin Not cl Resp Not cl	sensitisation lassified based on ava iratory sensitisation lassified based on ava	ailable information.	
Skin Not cl Resp Not cl <u>Com</u>	sensitisation lassified based on avainatory sensitisation lassified based on avainatory sensitisation	ailable information.	
Skin Not cl Resp Not cl <u>Com</u>	sensitisation lassified based on avainatory sensitisation lassified based on avainatory ponents: prolidone:	ailable information. n ailable information.	
Skin Not cl Resp Not cl <u>Com</u> 2-Pyr Test	sensitisation lassified based on avainatory sensitisation iratory sensitisation lassified based on avainator ponents: rolidone: Type	ailable information. ailable information. : Local lymph ne	ode assay (LLNA)
Skin Not cl Resp Not cl Com 2-Pyr Test Expos	sensitisation lassified based on avainatory sensitisation lassified based on avainator lassified based on avainator ponents: rolidone: Type sure routes	ailable information. ailable information. : Local lymph no : Skin contact	ode assay (LLNA)
Skin Not cl Resp Not cl Com 2-Pyr Test Expos Speci	sensitisation lassified based on avaination iratory sensitisation lassified based on avaination conents: prolidone: Type sure routes les	ailable information. ailable information. : Local lymph no : Skin contact : Mouse	
Skin Not cl Resp Not cl Com 2-Pyr Test Expos	sensitisation lassified based on avaination iratory sensitisation lassified based on avaination conents: ponents: rolidone: Type sure routes les bd	ailable information. ailable information. : Local lymph no : Skin contact	
Skin Not cl Resp Not cl Comp Z-Pyr Test Expos Speci Metho	sensitisation lassified based on avainatory sensitisation lassified based on avaination lassified based on avaination lassifie	ailable information. ailable information. Local lymph no Skin contact Mouse OECD Test Go negative	
Skin Not cl Resp Not cl Com 2-Pyr Test Expos Speci Metho Resul Rema	sensitisation lassified based on avainatory sensitisation lassified based on avaination lassified based on avaination lassifie	ailable information. ailable information. Local lymph no Skin contact Mouse OECD Test Go negative	uideline 429
Skin Not cl Resp Not cl Comp 2-Pyr Test Expos Speci Metho Resul Rema	sensitisation lassified based on ave iratory sensitisation lassified based on ave ponents: rolidone: Type sure routes les od lt arks enicol:	ailable information. ailable information. Local lymph no Skin contact Mouse OECD Test Go negative	uideline 429 a from similar materials
Skin Not cl Resp Not cl Com 2-Pyr Test Expos Speci Metho Resul Rema	sensitisation lassified based on availassified based on availastication rolidone: Type sure routes les bod lt arks enicol: Type	ailable information. ailable information. : Local lymph no : Skin contact : Mouse : OECD Test Go : negative : Based on data	uideline 429 a from similar materials
Skin Not cl Resp Not cl Com 2-Pyr Test Expos Speci Metho Resul Rema	sensitisation lassified based on availassified based on availassifie	ailable information. ailable information. : Local lymph no : Skin contact : Mouse : OECD Test Go : negative : Based on data : Maximisation	uideline 429 a from similar materials
Skin Not cl Resp Not cl Comp 2-Pyr Test Expos Speci Metho Resul Rema Florfe Speci Resul	sensitisation lassified based on availassified based on availassifie	ailable information. ailable information. Local lymph no. Skin contact Mouse OECD Test Go Rogative Based on data Maximisation Guinea pig	uideline 429 a from similar materials
Skin Not cl Resp Not cl Comp 2-Pyr Test Expos Speci Metho Resul Rema Florfe Speci Resul	sensitisation lassified based on availassified based on availastication frolidone: Type sure routes les bod lit arks enicol: Type les lit Acid:	ailable information. ailable information. Local lymph no. Skin contact Mouse OECD Test Go Rogative Based on data Maximisation Guinea pig	uideline 429 a from similar materials Test
Skin Not cl Resp Not cl Comp Z-Pyr Test Expos Speci Metho Resul Rema Florfe Test Speci Resul Rema	sensitisation lassified based on availassified based on availassifie	ailable information. ailable information. Local lymph ne Skin contact Mouse OECD Test Ge Regative Based on data Maximisation Guinea pig negative Maximisation Skin contact	uideline 429 a from similar materials Test
Skin Not cl Resp Not cl Comp 2-Pyr Test Expos Speci Metho Resul Rema Florfe Test Speci Resul Rema Expos Speci Resul Rema	sensitisation lassified based on availassified based on availassifie	ailable information. ailable information. Local lymph ne Skin contact Mouse OECD Test Ge Negative Based on data Maximisation Cuinea pig Negative Maximisation Skin contact Guinea pig Guinea pig	uideline 429 a from similar materials Test
Skin Not cl Resp Not cl Comp Z-Pyr Test Expos Speci Metho Resul Rema Florfe Test Speci Resul Rema	sensitisation lassified based on availassified based on availassifie	ailable information. ailable information. Local lymph ne Skin contact Mouse OECD Test Ge Regative Based on data Maximisation Guinea pig negative Maximisation Skin contact	uideline 429 a from similar materials Test



/ersion 0.1	Revision Date: 30.09.2023	SDS Number: 28054-00023	Date of last issue: 04.04.2023 Date of first issue: 04.11.2014
Rema	rks	: Based on da	ta from similar materials
1-deo	xy-1-(methylamino)	-D-glucitol 2-[2-met	hyl-3-(perfluoromethyl)anilino]nicotinate:
Test T		: Maximisation	
•	sure routes	: Dermal	
Specie	es sment	: Guinea pig	ise skin sensitisation.
Result		: negative	
Chror	nic toxicity		
Germ	cell mutagenicity		
	assified based on av	ailable information.	
<u>Comp</u>	onents:		
2-Pyrı	rolidone:		
Genot	oxicity in vitro	: Test Type: B Result: nega	acterial reverse mutation assay (AMES) tive
		Method: OEC Result: nega	r vitro mammalian cell gene mutation test CD Test Guideline 476 tive sed on data from similar materials
			hromosome aberration test in vitro CD Test Guideline 473 tive
Genot	oxicity in vivo	cytogenetic a Species: Mor Application R	use Route: Intraperitoneal injection CD Test Guideline 474
- /			
Florfe Genot	oxicity in vitro		acterial reverse mutation assay (AMES)
		Result: nega	tive
		thesis in mar	NA damage and repair, unscheduled DNA syn- nmalian cells (in vitro) rat hepatocytes tive
			i vitro mammalian cell gene mutation test mouse lymphoma cells tive
			hromosome aberration test in vitro Chinese hamster ovary cells



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			Result: positive	
Gen	Genotoxicity in vivo		Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Oral Result: negative	
Mali	c Acid:			
Gen	otoxicity in vitro	:	Test Type: Bacte Result: negative	rial reverse mutation assay (AMES)
			Method: OECD T Result: negative	o mammalian cell gene mutation test est Guideline 476 on data from similar materials
			Result: negative	nosome aberration test in vitro on data from similar materials
1-de	eoxy-1-(methylamino)-l	D-alu	citol 2-[2-methyl-	3-(perfluoromethyl)anilino]nicotinate:
	otoxicity in vitro	:		rial reverse mutation assay (AMES)
			Test Type: in vitro Test system: mou Result: positive	o assay ise lymphoma cells
				nosomal aberration nese hamster ovary cells
			Test Type: in vitro Test system: Esc Result: positive	
Gen	otoxicity in vivo	:	Test Type: Micror Species: Mouse Application Route Result: negative	
	m cell mutagenicity - essment	:	Weight of evidend cell mutagen.	ce does not support classification as a germ

Carcinogenicity

Not classified based on available information.



rsion 1	Revision Date: 30.09.2023	SDS Number: 28054-00023	Date of last issue: 04.04.2023 Date of first issue: 04.11.2014
Com	oonontoi		
	oonents:		
-	rolidone:		
Speci	es cation Route	: Mouse : Ingestion	
	sure time	: 18 month(s)	
Resul	lt	: negative	
Rema	arks	: Based on data	from similar materials
Florfe	enicol:		
Speci		: Rat	
	cation Route sure time	: oral (gavage) : 2 Years	
Resul		: negative	
Targe	et Organs	: Liver, Testes	
Speci	es	: Mouse	
	cation Route	: oral (gavage)	
Expos	sure time	: 2 Years	
	et Organs	: negative : Testes, Blood	
Expos LOAE Resul	cation Route sure time EL It et Organs	: Rat : oral (feed) : 104 w : 2 mg/kg body v : negative : Gastrointestina : Significant toxi	-
Speci		: Mouse	
	cation Route	: oral (feed) : 97 w	
NOAE	sure time EL	: 0.6 mg/kg body	/ weight
Resu	lt	: negative	
Targe Rema	et Organs	: Gastrointestina	
Rema	aiks	. Significant toxi	city observed in testing
-	oductive toxicity	damage the unbern sh	Id
	oonents:	damage the unborn ch	lu.
-	rolidone:		
-	ts on fertility	· Test Type: On	e-generation reproduction toxicity study
	o on fortunty	Species: Rat	s generation reproduction toxicity study
		Application Ro	
		Result: positive	e ed on data from similar materials



etal develop- toxicity - As- tility	: :	Species: Rat Application Route Result: positive Clear evidence of ity, based on anim effects on develop Test Type: Two-g Species: Rat Application Route Fertility: LOAEL: A Result: decreased Test Type: Embry Species: Rat General Toxicity N Embryo-foetal tox	adverse effects on sexual function and fert nal experiments., Clear evidence of adverse oment, based on animal experiments. eneration reproduction toxicity study
tility	:	ity, based on anin effects on develop Test Type: Two-g Species: Rat Application Route Fertility: LOAEL: 7 Result: decreased Test Type: Embry Species: Rat General Toxicity N Embryo-foetal tox	nal experiments., Clear evidence of adverse oment, based on animal experiments. eneration reproduction toxicity study : Oral 12 mg/kg body weight d pup survival, reduced lactation ro-foetal development Maternal: NOAEL: 4 mg/kg body weight
	:	Species: Rat Application Route Fertility: LOAEL: Result: decreased Test Type: Embry Species: Rat General Toxicity M Embryo-foetal tox	: Oral 12 mg/kg body weight 9 pup survival, reduced lactation ro-foetal development Maternal: NOAEL: 4 mg/kg body weight
	:	Species: Rat Application Route Fertility: LOAEL: Result: decreased Test Type: Embry Species: Rat General Toxicity M Embryo-foetal tox	: Oral 12 mg/kg body weight 9 pup survival, reduced lactation ro-foetal development Maternal: NOAEL: 4 mg/kg body weight
etal develop-	:	Species: Rat General Toxicity M Embryo-foetal tox	Maternal: NOAEL: 4 mg/kg body weight
			genic effects, Fetotoxicity ects were seen only at maternally toxic dos
		Species: Mouse Application Route General Toxicity N	Maternal: NOAEL: 120 mg/kg body weight icity: LOAEL: 40 mg/kg body weight
toxicity - As-	:	fertility, based on	f adverse effects on sexual function and animal experiments., Some evidence of n development, based on animal experi-
tility	:	Test Type: Two-g Species: Rat Application Route Result: negative	eneration reproduction toxicity study : Ingestion
etal develop-	:	Test Type: Embry Species: Rat Application Route Result: negative	o-foetal development : Ingestion
	tal develop-	tal develop- :	General Toxicity N Embryo-foetal tox Result: Fetotoxicit toxicity - As- toxicity - As-toxicity - As-tox



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Effects on foetal develop- ment		Symptoms: No Result: No efferent ment were detered : Test Type: Dev Species: Rat Application Ro General Toxici Embryo-foetal Result: Embryo spring were de Test Type: Em Species: Rabb Application Ro General Toxici Embryo-foetal Result: Embryo	y - Parent: LOAEL: 1 - 1.5 mg/kg body weight foetal abnormalities cts on fertility and early embryonic develop- icted. elopment ite: Oral y Maternal: LOAEL: 2 mg/kg body weight oxicity: NOAEL: 2 mg/kg body weight toxic effects and adverse effects on the off- ected only at high maternally toxic doses oryo-foetal development
	- single exposure lassified based on avai	lable information.	
<u>Com</u>	oonents:		
1-dec	oxy-1-(methylamino)-I	D-glucitol 2-[2-meth	yl-3-(perfluoromethyl)anilino]nicotinate:
Asses	ssment	: May cause res	piratory irritation.

Causes damage to organs (Liver, Brain, Testis, Spinal cord, Blood, gallbladder) through prolonged or repeated exposure.

May cause damage to organs (Gastrointestinal tract, Kidney) through prolonged or repeated exposure.

Components:

Florfenice	ol:
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0 0	Liver, Brain, Testis, Spinal cord, Blood, gallbladder Causes damage to organs through prolonged or repeated exposure.

1-deoxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate:

Target Organs	:	Gastrointestinal tract, Kidney, Blood
Assessment	:	Causes damage to organs through prolonged or repeated
		exposure.



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Popo	atad dasa taxisity		
-	ated dose toxicity ponents:		
-	rolidone:	. Dot	
Speci NOAE		: Rat : 207 mg/kg	
-	cation Route	: Ingestion	
	sure time	: 3 Months	
Metho		: OECD Test G	uideline 408
Florfe	enicol:		
Speci		: Dog	
NOAE		: 3 mg/kg	
	sure time	: 13 Weeks	
Targe	et Organs	: Liver, Testis,	Brain, Spinal cord
Speci		: Mouse	
NOAE		: 200 mg/kg	
	sure time	: 13 Weeks	
Targe	et Organs	: Liver, Testis	
Speci		: Rat	
NOAE		: 30 mg/kg	
	sure time et Organs	: 13 Weeks : Liver, Testis	
Targe	et Organs	. Liver, resus	
Speci		: Dog	
NOAE		: 3 mg/kg	
LOAE		: 12 mg/kg	
	sure time et Organs	: 52 Weeks : Liver, gallblad	der
raige	a Organs	. Liver, galiblad	
Speci		: Rat	
NOAE		: 1 mg/kg	
LOAE		: 3 mg/kg	
	sure time	: 52 Weeks : Testis	
Targe	et Organs	. Tesus	
	Acid:	_	
Speci		: Rat	
NOAE		: > 250 mg/kg : Ingestion	
	cation Route sure time	: Ingestion : 104 Weeks	
Слро		. 104 Weeks	
			yl-3-(perfluoromethyl)anilino]nicotinat
Speci		: Rat	
		: 2 mg/kg	
		: < 4 mg/kg : Oral	
Applic	cation Route	: Oral	



ersion 0.1	Revision Date: 30.09.2023	SDS Number: 28054-00023	Date of last issue: 04.04.2023 Date of first issue: 04.11.2014
Expos	sure time	: 6 w	
	et Organs	: Gastrointest	inal tract
Speci		: Rat	
NOAE		: 1 mg/kg	
	cation Route	: Oral	
	sure time	: 1 y	in al tra at IZ du au
Targe	et Organs	: Gastrointest	inal tract, Kidney
Speci		: Monkey	
NOAE		: 15 mg/kg	
	cation Route	: Oral : 90 d	
	sure time et Organs		inal tract, Blood
Targe	a Organs	. Gastrointesi	
Speci	es	: Rabbit	
LOAE	EL	: 80 mg/kg	
	cation Route	: Dermal	
	sure time	: 21 d	
Symp	toms	: Severe irrita	tion
Speci		: Dog	
LOAE		: 11 mg/kg	
	cation Route	: Oral	
	sure time	: 9 d	in all tract
Symp	t Organs	: Gastrointest : Vomiting	inaltract
Symp	toms	. voniting	
Aspir	ation toxicity		
Not cl	assified based on ava	ailable information.	
Expe	rience with human e	xposure	
<u>Comp</u>	oonents:		
	• • • •	-D-glucitol 2-[2-me	thyl-3-(perfluoromethyl)anilino]nicotinate:
Inhala		: Symptoms:	respiratory tract irritation
	contact		Skin irritation
	ontact	, i	Severe irritation
Ingest	tion	sion, Kidney	Gastrointestinal disturbance, bleeding, hyperto
ection 12	2: Ecological inform	ation	
Ecoto	oxicity		
	-		
Comp	<u>ponents:</u>		

2-Pyrrolidone:

Toxicity to fish

 LC50 (Danio rerio (zebra fish)): > 4,600 - 10,000 mg/l Exposure time: 96 h Method: OECD Test Guideline 203



Versi 10.1	on	Revision Date: 30.09.2023	-	9S Number: 054-00023	Date of last issue: 04.04.2023 Date of first issue: 04.11.2014
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): > 500 mg/l s h
	Toxicity to algae/aquatic plants		:	ErC50 (Desmodes Exposure time: 72	smus subspicatus (green algae)): > 500 mg/l ! h
				EC10 (Desmodes Exposure time: 72	mus subspicatus (green algae)): 22.2 mg/l ! h
-	Toxicity to microorganisms		:	EC50: > 1,000 mg/l Exposure time: 30 min Method: OECD Test Guideline 209	
	Florfen	icol:			
_	Toxicity		:	LC50 (Lepomis m Exposure time: 96 Method: FDA 4.11	
				LC50 (Oncorhync Exposure time: 96 Method: FDA 4.11	
	Toxicity to daphnia and other aquatic invertebrates		:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
	Toxicity to algae/aquatic plants		:	EC50 (Pseudokiro mg/l Exposure time: 14 Method: FDA 4.01	
				NOEC (Pseudokir mg/l Exposure time: 14 Method: FDA 4.01	
				IC50 (Skeletonem Exposure time: 72 Method: ISO 1025	
				NOEC (Skeletone Exposure time: 72 Method: ISO 1025	
				EC50 (Lemna gibl Exposure time: 7 of Method: OECD Te	
				NOEC (Lemna gib Exposure time: 7 o Method: OECD Te	



Version 10.1	Revision Date: 30.09.2023		9S Number: 054-00023	Date of last issue: 04.04.2023 Date of first issue: 04.11.2014
			EC50 (Navicula p Exposure time: 7	pelliculosa (Freshwater diatom)): 61 mg/l
				est Guideline 201
			Exposure time: 7	pelliculosa (Freshwater diatom)): 19 mg/l 2 h rest Guideline 201
			Exposure time: 7	flos-aquae): 0.066 mg/l 2 h rest Guideline 201
			Exposure time: 7	a flos-aquae): 0.051 mg/l 2 h est Guideline 201
M-Fac icity)	ctor (Acute aquatic tox-	:	10	
	ty to fish (Chronic tox-	:	Exposure time: 3	es promelas (fathead minnow)): 5.5 mg/l 2 d rest Guideline 210
	ty to daphnia and other ic invertebrates (Chron- city)	:	Exposure time: 2	magna (Water flea)): 1.5 mg/l 1 d est Guideline 211
M-Fac toxicit	ctor (Chronic aquatic y)	:	10	
Malic	Acid:			
Toxici	ty to fish	:	Exposure time: 9 Method: OECD T	o (zebra fish)): > 100 mg/l 6 h rest Guideline 203 on data from similar materials
	ty to daphnia and other ic invertebrates	:	EC50 (Daphnia n Exposure time: 4	nagna (Water flea)): 240 mg/l 8 h
Toxici plants	ty to algae/aquatic	:	mg/l Exposure time: 7 Test substance: I Method: OECD T	rchneriella subcapitata (green algae)): > 100 2 h Neutralised product est Guideline 201 on data from similar materials
			mg/l Exposure time: 7 Test substance: I Method: OECD T	rchneriella subcapitata (green algae)): 100 2 h Neutralised product est Guideline 201 on data from similar materials



Version 10.1	Revision Date: 30.09.2023		0S Number: 054-00023	Date of last issue: 04.04.2023 Date of first issue: 04.11.2014
Toxic	ity to microorganisms	:	Exposure time: 3 Method: OECD T	h
1-deo	oxy-1-(methylamino)-D-	glu	citol 2-[2-methyl-:	3-(perfluoromethyl)anilino]nicotinate:
Toxic	sity to fish	:	LC50 (Lepomis m Exposure time: 96 Method: FDA 4.1	
			LC50 (Oncorhynd Exposure time: 90 Method: FDA 4.1	
	tity to daphnia and other tic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: FDA 4.08	
Toxic plants	sity to algae/aquatic s	:	NOEC (Microcyst Exposure time: 13 Method: FDA 4.0	
			NOEC (Selenastr Exposure time: 12	um capricornutum (green algae)): 96 mg/l 2 d
Persi	istence and degradabili	ity		
Com	ponents:			
-	r rolidone: egradability	:	Result: Readily bi Remarks: Based	odegradable. on data from similar materials
Malio	c Acid:			
Biode	egradability	:		odegradable. est Guideline 301C on data from similar materials
		-		B-(perfluoromethyl)anilino]nicotinate:
Stabi	lity in water	:	Hydrolysis: 0 %(2	8 d)
Bioa	ccumulative potential			
<u>Com</u>	ponents:			
-	rrolidone:			
	tion coefficient: n- nol/water	:	log Pow: -0.71 Method: OECD T	est Guideline 107



Florfenicol / Flunixin Formulation

Florfenicol: Partition coefficient: n- i log Pow: 0.373 Malic Acid: Partition coefficient: n- i log Pow: 1.26 octanol/water 1-decxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perffuoromethyl]anilino]nicotinate: Partition coefficient: n- : log Pow: 1.34 octanol/water Mobility in soil Components: Florfenicol: Distribution among environ- : Koc: 52 mental compartments Method: FDA 3.08 1-decxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perffuoromethyl]anilino]nicotinate: Distribution among environ- : log Koc: 1.92 mental compartments Method: FDA 3.08 1-decxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perffuoromethyl]anilino]nicotinate: Distribution among environ- : log Koc: 1.92 mental compartments Other adverse effects No data available Contaminated packaging Entity to therwise specified: Dispose of in accordance with local regulations. Contaminated packaging : Empty containers should be taken to an approved waste har dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. If not otherwise specified: Dispose of as unused product.	ersion).1	Revision Date: 30.09.2023		DS Number: 054-00023	Date of last issue: 04.04.2023 Date of first issue: 04.11.2014
Partition coefficient: n- i log Pow: 0.373 octanol/water pH: 7 Malic Acid: Partition coefficient: n- i log Pow: -1.26 octanol/water 1-deoxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate: Partition coefficient: n- : log Pow: 1.34 octanol/water Mobility in soil Components: Florfenicol: Distribution among environ- : Koc: 52 mental compartments Method: FDA 3.08 1-deoxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate: Distribution among environ- : koc: 52 mental compartments Method: FDA 3.08 1-deoxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate: Distribution among environ- : log Koc: 1.92 mental compartments Other adverse effects No data available : pont dispose of waste into sewer. Disposal methods : Empty containers should be taken to an approved waste hard ding site for recycling or disposeal. If not otherwise specified: Dispose of as unused product. : font envise specified: Dispose of as unused product. ettion 14: Transport information International Regulations					
Partition coefficient: n- i log Pow: 0.373 octanol/water pH: 7 Malic Acid: Partition coefficient: n- i log Pow: -1.26 octanol/water i-deoxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate: Partition coefficient: n- : log Pow: 1.34 octanol/water Mobility in soil Components: Florfenicol: Distribution among environ- : Koc: 52 mental compartments Method: FDA 3.08 1-deoxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate: Distribution among environ- : log Koc: 1.92 mental compartments Method: FDA 3.08 1-deoxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate: Distribution among environ- : log Koc: 1.92 mental compartments Other adverse effects No data available : log Koc: 1.92 eetion 13: Disposal considerations Disposal methods Waste from residues : Do not dispose of waste into sewer. Contaminated packaging : Empty containers should be taken to an approved waste hard dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. If not otherwise specified: Di					
octanol/water pH: 7 Malic Acid: Partition coefficient: n- : log Pow: -1.26 octanol/water 1-deoxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate: Partition coefficient: n- : log Pow: 1.34 octanol/water Mobility in soil Components: Florfenicol: Distribution among environ- : Koc: 52 mental compartments Method: FDA 3.08 1-deoxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate: Distribution among environ- : log Koc: 1.92 mental compartments Other adverse effects No data available eetion 13: Disposal considerations Disposal methods Waste from residues : Do not dispose of waste into sewer. Dispose of in accordance with local regulations. Contaminated packaging : Empty containers should be taken to an approved waste hard dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. tection 14: Transport information International Regulations UNRTDG UN number : UN 3082 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (Flortfenicol) Class : 9 Packing group : II Labels : 9 Parking roup : II Labels : 9 Proper s					
Partition coefficient: n- is log Pow: -1.26 octanol/water I-deoxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate: Partition coefficient: n- is log Pow: 1.34 octanol/water Mobility in soil Components: Florfenicol: Distribution among environ- : Koc: 52 mental compartments Method: FDA 3.08 1-deoxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate: Distribution among environ- : log Koc: 1.92 mental compartments : log Koc: 1.92 mental compartments : log Koc: 1.92 Other adverse effects No data available eetion 13: Disposal considerations Dispose of maste into sewer. Disposal methods : Empty containers should be taken to an approved waste har dling site for recycling or dispose. Contaminated packaging : Empty containers should be taken to an approved waste har dling site for recycling or dispose. If not otherwise specified: Dispose of as unused product. : thot otherwise specified: Dispose of as unused product. etcion 14: Transport information If not otherwise specified: Dispose of as unused product. UN number : UN 3082 Proper shipping name : ENVIRONMENTALLY HAZARDOUS			:	•	
octanol/water 1-deoxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate: Partition coefficient: n- : log Pow: 1.34 octanol/water Mobility in soil Components: Florfenicol: Distribution among environ- mental compartments Method: FDA 3.08 1-deoxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate: Distribution among environ- iog Koc: 1.92 mental compartments Other adverse effects No data available ection 13: Disposal considerations Disposed methods Waste from residues : Do not dispose of waste into sewer. Dispose of in accordance with local regulations. Contaminated packaging : Empty containers should be taken to an approved waste har dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. ection 14: Transport information International Regulations UN number : UN 3082 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (Florfenicol) : S 9 Packing group : III	Malic	Acid:			
Partition coefficient: n- : log Pow: 1.34 octanol/water Mobility in soil Components: Florfenicol: Distribution among environ- : Koc: 52 mental compartments Method: FDA 3.08 1-deoxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate: Distribution among environ- : mental compartments log Koc: 1.92 Other adverse effects No data available action 13: Disposal considerations Disposal methods Waste from residues : Do not dispose of waste into sewer. Dispose of in accordance with local regulations. Contaminated packaging : Empty containers should be taken to an approved waste har dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product, ection 14: Transport information International Regulations UN number : UN 3082 Proper shipping name : UN 3082 Proper shipping name : 9 Packing group : 10 Labels : 9 Packing group : 10 Labels : 9			:	log Pow: -1.26	
octanol/water Mobility in soil Components: Florfenicol: Distribution among environ- : Koc: 52 mental compartments Method: FDA 3.08 1-deoxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate: Distribution among environ- : Ibistribution among environ- : Ibistribution among environ- : Ibistribution among environ- : Ibistribution among environ- : Distribution among environ- : Ibistribution : Other adverse effects No data available Section 13: Disposal considerations : Dispose of in accordance with local regulations. : Contaminated packaging : : International Regulations : <t< td=""><td>1-deo</td><td>xy-1-(methylamino)-D</td><td>)-glu</td><td>citol 2-[2-methyl</td><td>-3-(perfluoromethyl)anilino]nicotinate:</td></t<>	1-deo	xy-1-(methylamino)-D)-glu	citol 2-[2-methyl	-3-(perfluoromethyl)anilino]nicotinate:
Components: Florfenicol: Distribution among environmental compartments Koc: 52 mental compartments Method: FDA 3.08 1-deoxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate: Distribution among environmental compartments log Koc: 1.92 Other adverse effects No data available ection 13: Disposal considerations Dispose of maccordance with local regulations. Contaminated packaging : Contaminated packaging : International Regulations UN 3082 Proper shipping name : UN number : Proper shipping name : Packing group : Placels : Packing group : Proventables : Environmentally hazardous :			:	log Pow: 1.34	
Florfenicol: Distribution among environmental compartments Koc: 52 Method: FDA 3.08 1-deoxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate: Distribution among environmental compartments log Koc: 1.92 Other adverse effects No data available action 13: Disposal considerations Disposal methods Waste from residues : Do not dispose of waste into sewer. Dispose of in accordance with local regulations. Contaminated packaging : Ection 14: Transport information International Regulations UNRTDG UN number : Proper shipping name : Models : Packing group : Placels : Packing group : It : Dispose : Packing group : Ubless : Packing group : Bactor : Packing group : Bill : Bactor : Bactor : Bactor	Mobil	ity in soil			
Distribution among environmental compartments Koc: 52 Method: FDA 3.08 1-deoxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate: Distribution among environmental compartments log Koc: 1.92 Method: FDA 3.08 0ther adverse effects No data available Image: No data available ection 13: Disposal considerations Disposal methods Waste from residues Empty containers should be taken to an approved waste har dling site for recycling or dispose of as unused product. Contaminated packaging Empty containers should be taken to an approved waste har dling site for recycling or dispose of as unused product. ection 14: Transport information International Regulations UNRTDG UN number UN 3082 Proper shipping name Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUIE N.O.S. (Florfenicol) Class 9 Packing group III Labels Packing group III Labels 9 Environmentally hazardous	Comp	oonents:			
mental compartments Method: FDA 3.08 1-deoxy-1-(methylamino)-D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate: Distribution among environ- : log Koc: 1.92 mental compartments Other adverse effects No data available	Florfe	enicol:			
Distribution among environmental compartments log Koc: 1.92 Other adverse effects No data available ection 13: Disposal considerations Disposal methods Waste from residues : Do not dispose of waste into sewer. Disposal methods Contaminated packaging : Ection 14: Transport information International Regulations UN number : Proper shipping name : Equations Class : Packing group : Packing group : Ill Labels Environmentally hazardous : 9 Environmentally hazardous Yes :		-	:		08
Distribution among environmental compartments log Koc: 1.92 Other adverse effects No data available Desction 13: Disposal considerations Disposal methods Waste from residues : Do not dispose of waste into sewer. Dispose of in accordance with local regulations. Contaminated packaging : Empty containers should be taken to an approved waste hardling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. Distribution 14: Transport information International Regulations UNRTDG UN number : UN 3082 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (Florfenicol) Class : 9 Packing group : III Labels : 9 Environmentally hazardous : yes	1-deo	oxy-1-(methylamino)-D)-glu	citol 2-[2-methyl	3-(perfluoromethyl)anilino]nicotinate:
No data available Action 13: Disposal considerations Disposal methods Waste from residues : Do not dispose of waste into sewer. Dispose of in accordance with local regulations. Contaminated packaging : Empty containers should be taken to an approved waste har dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. ection 14: Transport information International Regulations UNRTDG UN number : Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (Florfenicol) Class : Packing group : III Labels : Environmentally hazardous : yes	Distrib	bution among environ-	-		
ection 13: Disposal considerations Disposal methods Waste from residues : Do not dispose of waste into sewer. Dispose of in accordance with local regulations. Contaminated packaging : Empty containers should be taken to an approved waste hard dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. ection 14: Transport information International Regulations UNRTDG UN number : Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (Florfenicol) Class : Packing group : UN : Packing group : Environmentally hazardous : Yes					
Disposal methods Waste from residues Do not dispose of waste into sewer. Dispose of in accordance with local regulations. Contaminated packaging Empty containers should be taken to an approved waste hardling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. Exetion 14: Transport information International Regulations UNRTDG UN number UN 3082 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (Florfenicol) Class 9 Packing group III Labels 9 Environmentally hazardous yes Version 10 Dispose of as unused product. Dispose of as unused product.				_	
Waste from residues : Do not dispose of waste into sewer. Dispose of in accordance with local regulations. Contaminated packaging : Empty containers should be taken to an approved waste har dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. ection 14: Transport information International Regulations UNRTDG UN number : UN 3082 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (Florfenicol) Class : 9 Packing group : III Labels : 9 Environmentally hazardous : yes	ection 1	3: Disposal considera	tion	5	
Contaminated packaging Dispose of in accordance with local regulations. Contaminated packaging Empty containers should be taken to an approved waste har dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. ection 14: Transport information International Regulations UNRTDG UN number UN 3082 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (Florfenicol) Class 19 Packing group III Labels 9 Environmentally hazardous 9	Dispo	osal methods			
Contaminated packaging : Empty containers should be taken to an approved waste har dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. ection 14: Transport information International Regulations International Regulations UN Number UN number : UN 3082 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (Florfenicol) Class : : Packing group : III Labels : : Environmentally hazardous : yes	Waste	e from residues	:		
International Regulations UNRTDG UN number : Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (Florfenicol) Class : Packing group : Labels : Point on mentally hazardous :	Conta	minated packaging	:	Empty container dling site for recy	s should be taken to an approved waste har cling or disposal.
UNRTDG UN number : UN 3082 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (Florfenicol) Class : 9 Packing group : III Labels : 9 Environmentally hazardous : yes	ection 14	4: Transport informati	on		
UN number:UN 3082Proper shipping name:ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (Florfenicol)Class:9Packing group:IIILabels:9Environmentally hazardous:yes	Interr	national Regulations			
UN number:UN 3082Proper shipping name:ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (Florfenicol)Class:9Packing group:IIILabels:9Environmentally hazardous:yes	UNRT	ſDG			
N.O.S. (Florfenicol)Class:9Packing group:Labels:9Environmentally hazardous:yes	UN nu	umber	:		
Class : 9 Packing group : III Labels : 9 Environmentally hazardous : yes	Prope	er shipping name	:	N.O.S.	ALLY HAZARDOUS SUBSTANCE, LIQUID
Labels : 9 Environmentally hazardous : yes	Class		:	. ,	
Environmentally hazardous : yes			:		
			:	•	
		milemany nazaroous		усэ	



	ision Date: 99.2023		9S Number: 054-00023	Date of last issue: 04.04.2023 Date of first issue: 04.11.2014	
UN/ID No.		:	UN 3082		
Proper shipp	Proper shipping name		Environmentally hazardous substance, liquid, n.o.s. (Florfenicol)		
Class		:	9		
Packing grou	up	:			
Labels		:	Miscellaneous		
Packing instr aircraft)	Packing instruction (cargo aircraft)		964		
Packing inst ger aircraft)	Packing instruction (passen- ger aircraft)		964		
Environment	Environmentally hazardous		yes		
IMDG-Code					
UN number		:	UN 3082		
Proper shipp	bing name	:	ENVIRONMENTA N.O.S. (Florfenicol)	ALLY HAZARDOUS SUBSTANCE, LIQUID,	
Class		:	9		
Packing grou	qu	:	III		
Labels		:	9		
EmS Code		:	F-A, S-F		
Marine pollu	tant	:	yes		
Transport ir	n bulk according	to	Annex II of MARP	OL 73/78 and the IBC Code	
Not applicab	Not applicable for product as s				

National Regulations

NZS	5433
1120	0400

UN number Proper shipping name	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Florfenicol)
Class Packing group Labels Hazchem Code Marine pollutant	:	9 III 9 3Z no

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



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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

Revision Date	:	30.09.2023
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/
Date format	:	dd.mm.yyyy

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, Evalua-





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tion, 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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