according to the Globally Harmonized System



# Florfenicol (45%) Injection Formulation

|--|--|

### **1. PRODUCT AND COMPANY IDENTIFICATION**

Product name	:	Florfenicol (45%) Injection Formulation				
Manufacturer or supplier's de	eta	ils				
Company	:	MSD				
Address	:	Briahnager - Off Pune Nagar Road Wagholi - Pune - India 412 207				
Telephone	:	+1-908-740-4000				
Emergency telephone number	:	+1-908-423-6000				
E-mail address	:	EHSDATASTEWARD@msd.com				
Recommended use of the chemical and restrictions on use						
Recommended use Restrictions on use	:	Veterinary product Not applicable				

### 2. HAZARDS IDENTIFICATION

#### Manufacture, Storage and Import of Hazardous Chemicals Rules 1989

#### Classification

Not classified as hazardous according to criteria laid down in Part I of Schedule-1.

#### **GHS Classification**

Acute toxicity (Oral)	:	Category 5
Skin corrosion/irritation	:	Category 2
Serious eye damage/eye irri- tation	:	Category 2A
Reproductive toxicity	:	Category 1B
Specific target organ toxicity - single exposure	:	Category 3
Specific target organ toxicity - repeated exposure	:	Category 1 (Liver, Brain, Testis, Spinal cord, Blood, gallblad- der)
Short-term (acute) aquatic hazard	:	Category 1
Long-term (chronic) aquatic hazard	:	Category 1

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ersion .0	Revision Date: 28.09.2024	SDS Number: 10843913-00004	Date of last issue: 30.09.2023 Date of first issue: 31.08.2022
	<b>label elements</b> rd pictograms		!
Signa	al word	: Danger	$\checkmark$ $\checkmark$
Haza	rd statements	H315 + H319 C H335 May caus H360Df May da fertility. H372 Causes c cord, Blood, ga sure.	armful if swallowed. Causes skin irritation and serious eye irritation. Se respiratory irritation. Amage the unborn child. Suspected of damagi damage to organs (Liver, Brain, Testis, Spinal Ilbladder) through prolonged or repeated expo c to aquatic life with long lasting effects.
Preca	autionary statements	P260 Do not br P264 Wash har P270 Do not ea P271 Use only P273 Avoid rele	ead and follow all safety instructions before us eathe mist or vapours. nds thoroughly after handling. at, drink or smoke when using this product. outdoors or with adequate ventilation. ease to the environment. tective gloves/ protective clothing/ eye protec- ction.
		curs: Get media P302 + P352 IF P304 + P340 + and keep comfa unwell. P305 + P351 + for several mini- easy to do. Cor P318 IF expose P337 + P317 If	<sup>5</sup> ON SKIN: Wash with plenty of water. P319 IF INHALED: Remove person to fresh a ortable for breathing. Get medical help if you f P338 IF IN EYES: Rinse cautiously with wate utes. Remove contact lenses, if present and ntinue rinsing. ed or concerned, get medical advice. eye irritation persists: Get medical help. ake off contaminated clothing and wash it before
		Storage: P405 Store loc	-
		<b>Disposal:</b> P501 Dispose o disposal plant.	of contents/ container to an approved waste

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#### Other hazards which do not result in classification

None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	: Mixture		
Components			
Chemical name		CAS-No.	Concentration (% w/w)
Florfenicol		73231-34-2	>= 30 - < 50
N-Methyl-2-pyrrolidone		872-50-4	>= 30 - < 50

#### 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
If inhaled	:	advice. If inhaled, remove to fresh air. Get medical attention.
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. 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.
Most important symptoms and effects, both acute and delayed	:	May be harmful if swallowed. Causes skin irritation and serious eye irritation. May cause respiratory irritation. May damage the unborn child. Suspected of damaging fertili- ty.
Protection of first-aiders Notes to physician	:	Causes damage to organs through prolonged or repeated exposure. First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8). Treat symptomatically and supportively.

### **5. FIREFIGHTING MEASURES**

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

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me	edia						
	pecific Ihting	hazards during fire-	:	Exposure to comb	pustion products may be a hazard to health.		
Ha uc		ous combustion prod-	:	Carbon oxides Nitrogen oxides (NOx)			
	Specific extinguishing meth- ods		:	Use extinguishing measures that are appropriate to local c cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to so. Evacuate area.			
		protective equipment ghters	:		e, wear self-contained breathing apparatus. aective equipment.		
6. ACC	6. ACCIDENTAL RELEASE MEASURES						
tiv	e equ	al precautions, protec- ipment and emer- rocedures	:	Follow safe handl	ective equipment. ing advice (see section 7) and personal pro- recommendations (see section 8).		
Er	Environmental 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		
		s and materials for nent 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 comine which regular Sections 13 and 1	t absorbent material. rovide dyking or other appropriate contain- erial from spreading. If dyked material can recovered material in appropriate container. ng 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. HAN	IDLIN	G 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.

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		Do not sw Do not ge Wash skir Handle in practice, b sessment Keep cont Already se to asthma should con tory irritan Do not ea	t in eyes. t thoroughly after handling. accordance with good industrial hygiene and safety based on the results of the workplace exposure as- ainer tightly closed. ensitised individuals, and those susceptible , allergies, chronic or recurrent respiratory disease, nsult their physician regarding working with respira- ts or sensitisers. t, drink or smoke when using this product. to prevent spills, waste and minimize release to the
Cond	litions for safe storage	Store lock Keep tight Keep in a	•
Mate	rials to avoid	: Do not sto	re with the following product types: dizing agents

### 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

#### **Biological occupational exposure limits**

Components	CAS-No.	Control parameters	Biological specimen	Sam- pling time	Permissible concentra- tion	Basis
N-Methyl-2-pyrrolidone	872-50-4	5-Hydroxy- N-methyl-2- pyrrolidone	Urine	End of shift (As soon as possible after exposure ceases)	100 mg/l	ACGIH BEI

Engineering measures

: Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., drip-less quick connections). All engineering controls should be implemented by facility

design and operated in accordance with GMP principles to protect products, workers, and the environment. Laboratory operations do not require special containment.

#### Personal protective equipment

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Resp	iratory protection		cal exhaust ventilation is not available or expo- ent demonstrates exposures outside the rec-
Fi	lter type	ommended gu	idelines, use respiratory protection. ticulates and organic vapour type
Hand	protection aterial	: Chemical-resis	
Eye p	protection	If the work env mists or aeros Wear a facesh	asses with side shields or goggles. vironment or activity involves dusty conditions, ols, wear the appropriate goggles. ield or other full face protection if there is a rect contact to the face with dusts, mists, or
Skin	and body protection	: Work uniform	or laboratory coat.
Hygie	ene measures	flushing syster place. When using do Wash contami The effective of engineering co appropriate de industrial hygio	chemical is likely during typical use, provide eye ns and safety showers close to the working o not eat, drink or smoke. nated clothing before re-use. operation of a facility should include review of ontrols, proper personal protective equipment, egowning and decontamination procedures, ene monitoring, medical surveillance and the strative controls.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Aqueous solution
Colour	:	clear
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
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower	:	No data available

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fl	ammal	bility limit			
V	/apour	pressure	:	No data available	)
R	Relative	e vapour density	:	No data available	)
R	Relative	edensity	:	No data available	9
D	Density		:	No data available	)
S	Solubilit Wate	y(ies) er solubility	:	No data available	9
		n coefficient: n-	:	Not applicable	
	ctanol/ uto-igr	water nition temperature	:	No data available	)
D	Decomp	position temperature	:	No data available	)
V	/iscosit Visc	y osity, kinematic	:	No data available	9
E	xplosiv	ve properties	:	Not explosive	
C	Dxidizin	g properties	:	The substance of	r mixture is not classified as oxidizing.
Ν	lolecul	ar weight	:	No data available	)
-	Particle Particle	characteristics size	:	Not applicable	

### **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.

## 11. TOXICOLOGICAL INFORMATION

Information on likely routes of	:	Inhalation
exposure		Skin contact
		Ingestion
		Eye contact

#### Acute toxicity

May be harmful if swallowed.

#### Product:

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Acu	te oral toxicity	:	Acute toxicity estin Method: Calculation	
<u>Con</u>	nponents:			
Flor	fenicol:			
Acu	te oral toxicity	:	LD50 (Rat): > 2,00	00 mg/kg
			LD50 (Mouse): > 2	2,000 mg/kg
			LD50 (Dog): > 1,2	80 mg/kg
Acu	te inhalation toxicity	:	LC50 (Rat): > 0.28 Exposure time: 4 I	
Acu	te dermal toxicity	:	Remarks: No data	available
	te toxicity (other routes of ninistration)	:	LD50 (Rat): 1,913 Application Route	
			LD50 (Mouse): 10 Application Route	
N-M	lethyl-2-pyrrolidone:			
Acu	te oral toxicity	:	LD50 (Rat): 4,150	mg/kg
Acu	te inhalation toxicity	:	LC50 (Rat): > 5.1 Exposure time: 4 I Test atmosphere: Method: OECD Te	h dust/mist
Acu	te dermal toxicity	:	LD50 (Rat): > 5,00	00 mg/kg
-	n corrosion/irritation Ises skin irritation.			
<u>Con</u>	nponents:			
Flor	fenicol:			
Spe Res	cies ult	:	Rabbit No skin irritation	
N-M Res	<b>lethyl-2-pyrrolidone:</b> ult	:	Skin irritation	
Seri	ious eye damage/eye irri	tati	on	
Cau	ses serious eye irritation.			
Con	nponents:			
Flor Spe	<b>fenicol:</b> cies	:	Rabbit	

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Resu	lt	: Mild eye irritation								
, toou										
	thyl-2-pyrrolidone:	Deblet								
Spec Resu		<ul><li>Rabbit</li><li>Irritation to eyes, reversing withir</li></ul>	n 21 days							
Resp	iratory or skin sensi	ation								
	sensitisation lassified based on ava	ble information.								
-	<b>iratory sensitisation</b> lassified based on ava	ble information.								
Com	ponents:									
Florf	enicol:									
Test		: Maximisation Test								
Spec Resu	ies It	: Guinea pig : negative								
, toou	i.	· · · · · · · · · · · · · · · · · · · ·								
	thyl-2-pyrrolidone:									
Test	Type sure routes	<ul><li>: Local lymph node assay (LLNA)</li><li>: Skin contact</li></ul>								
Spec	ies	: Mouse								
Meth		: OECD Test Guideline 429								
Resu Rema		: negative : Based on data from similar materials								
Germ	n cell mutagenicity									
Not c	lassified based on ava	ble information.								
<u>Com</u>	ponents:									
Florf	enicol:									
Geno	toxicity in vitro	: Test Type: Bacterial reverse mut Result: negative	tation assay (AMES)							
		Test Type: DNA damage and rep thesis in mammalian cells (in vitr Test system: rat hepatocytes Result: negative								
		Test Type: In vitro mammalian c Test system: mouse lymphoma o Result: negative								
		Test Type: Chromosome aberrat Test system: Chinese hamster o Result: positive								
Geno	otoxicity in vivo	: Test Type: Micronucleus test Species: Mouse								

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			Cell type: Bone n Application Route Result: negative	
N-Me	thyl-2-pyrrolidone:			
	otoxicity in vitro	:		rial reverse mutation assay (AMES) est Guideline 471
				o mammalian cell gene mutation test est Guideline 476
				damage and repair, unscheduled DNA syn- lian cells (in vitro)
Geno	otoxicity in vivo	:	cytogenetic assa Species: Mouse Application Route	
			cytogenetic test, Species: Hamste Application Route	
	<b>inogenicity</b> lassified based on ava	ailable	information.	
Com	ponents:			
Florf Spec	enicol:		Rat	

Species	:	Rat
Application Route	:	oral (gavage)
Exposure time	:	2 Years
Result	:	negative
Target Organs	:	Liver, Testes
Species	:	Mouse
Application Route	:	oral (gavage)
Exposure time	:	2 Years
Result	:	negative
Target Organs	:	Testes, Blood

## N-Methyl-2-pyrrolidone:

Species	:	Rat
Species Application Route	:	Ingestion

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sion	Revision Date: 28.09.2024	SDS Number: 10843913-00004	Date of last issue: 30.09.2023 Date of first issue: 31.08.2022
Expos Resul	sure time t	: 2 Years : negative	
	cation Route sure time	: Rat : inhalation (va : 2 Years : negative	pour)
May d	oductive toxicity lamage the unborn ch	ld. Suspected of da	maging fertility.
	oonents:		
	enicol: s on fertility	Species: Rat Application R Fertility: LOA	wo-generation reproduction toxicity study oute: Oral EL: 12 mg/kg body weight ased pup survival, reduced lactation
Effect ment	s on foetal develop-	Species: Rat General Toxi Embryo-foeta Result: No te	mbryo-foetal development city Maternal: NOAEL: 4 mg/kg body weight Il toxicity: LOAEL: 40 mg/kg body weight ratogenic effects, Fetotoxicity e effects were seen only at maternally toxic dos-
		Species: Mou Application R General Toxi	oute: oral (gavage) city Maternal: NOAEL: 120 mg/kg body weight Il toxicity: LOAEL: 40 mg/kg body weight
Repro sessm	oductive toxicity - As- nent	fertility, based	ce of adverse effects on sexual function and d on animal experiments., Some evidence of cts on development, based on animal experi-
N-Met	thyl-2-pyrrolidone:		
	s on fertility	Species: Rat Application R	wo-generation reproduction toxicity study oute: Ingestion CD Test Guideline 416 ive
Effect ment	s on foetal develop-	Species: Rat Application R	mbryo-foetal development oute: Ingestion D Test Guideline 414 ve

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Version 2.0	Revision Date: 28.09.2024	-	DS Number: 843913-00004	Date of last issue: 30.09.2023 Date of first issue: 31.08.2022
Repro	oductive toxicity - As-	<u>.</u>	Species: Rat Application Route Result: positive Test Type: Embry Species: Rabbit Application Route Result: positive	y/early embryonic development e: inhalation (vapour) vo-foetal development e: Ingestion
sessn	-	•	animal experimer	•
May c	- single exposure cause respiratory irritatio	on.		
	thyl-2-pyrrolidone:			
Asses	ssment	:	May cause respire	atory irritation.
Cause longe <u>Com</u> Florfe	d or repeated exposure <b>conents:</b> <b>enicol:</b> to Organs		Liver, Brain, Testi	nal cord, Blood, gallbladder) through pro- s, Spinal cord, Blood, gallbladder
Asses	ssment		Causes damage f exposure.	to organs through prolonged or repeated
Repe	ated dose toxicity			
	oonents:			
Speci NOAE Expos		:	Dog 3 mg/kg 13 Weeks Liver, Testis, Brai	n, Spinal cord
		:	Mouse 200 mg/kg 13 Weeks Liver, Testis	
		:	Rat 30 mg/kg 13 Weeks Liver, Testis	
Speci	es	:	Dog	

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		: 3 mg/kg : 12 mg/kg : 52 Weeks : Liver, gallbladd	der
	ΞL	: Rat : 1 mg/kg : 3 mg/kg : 52 Weeks : Testis	
N-Me	thyl-2-pyrrolidone:		
	EL EL cation Route sure time	: Rat, male : 169 mg/kg : 433 mg/kg : Ingestion : 90 Days : OECD Test Gu	uideline 408
	EL EL cation Route sure time	: Rat : 0.5 mg/l : 1 mg/l : inhalation (dus : 96 Days : OECD Test Gu	
	ΞL	: Rabbit : 826 mg/kg : 1,653 mg/kg : Skin contact : 20 Days	
-	ration toxicity lassified based on ava	ilable information.	
Expe	rience with human ex	cposure	
Com	ponents:		
N-Me Skin (	thyl-2-pyrrolidone: contact	: Symptoms: Sk	in irritation
	OGICAL INFORMATIO		
Ecot	oxicity		
	ponents:		
	enicol:		
	ity to fish	: LC50 (Lepomia Exposure time Method: FDA 4	

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			LC50 (Oncorhync Exposure time: 96 Method: FDA 4.11	
	y to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
Toxicity plants	Toxicity to algae/aquatic : plants		EC50 ( Pseudokir mg/l Exposure time: 14 Method: FDA 4.01	
			NOEC ( Pseudoki mg/l Exposure time: 14 Method: FDA 4.01	
			IC50 ( Skeletoner Exposure time: 72 Method: ISO 1025	
			NOEC ( Skeletone mg/l Exposure time: 72 Method: ISO 1025	
			EC50 ( Lemna gib Exposure time: 7 Method: OECD Te	
			NOEC ( Lemna gi Exposure time: 7 Method: OECD Te	
			EC50 ( Navicula p Exposure time: 72 Method: OECD Te	
			NOEC ( Navicula Exposure time: 72 Method: OECD Te	
			EC50 ( Anabaena Exposure time: 72 Method: OECD Te	
			NOEC ( Anabaen Exposure time: 72 Method: OECD Te	
M-Fact icity)	or (Acute aquatic tox-	:	10	

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Toxicit icity)	y to fish (Chronic tox-	:	Exposure time: 32	les promelas (fathead minnow)
	y to daphnia and other c invertebrates (Chron- city)	:	NOEC: 1.5 mg/l Exposure time: 21 Species: Daphnia Method: OECD Te	magna (Water flea)
M-Fac toxicity	tor (Chronic aquatic ′)	:	10	
N-Met	hyl-2-pyrrolidone:			
	y to fish	:	LC50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): > 500 mg/l i h
	y to daphnia and other c invertebrates	:	EC50 (Daphnia m Exposure time: 24 Method: DIN 3841	
Toxicit plants	y to algae/aquatic	:	ErC50(Desmode mg/l Exposure time: 72	smus subspicatus (green algae)): 600.5 h
			EC10 ( Desmodes Exposure time: 72	smus subspicatus (green algae)): 92.6 mg/l ! h
Toxicit	y to microorganisms	:	EC50: > 600 mg/l Exposure time: 30 Method: ISO 8192	
	invertebrates (Chron-	:	NOEC: 12.5 mg/l Exposure time: 21 Species: Daphnia Method: OECD Te	magna (Water flea)
Persis	tence and degradabili	ty		
<u>Comp</u>	onents:			
	<b>hyl-2-pyrrolidone:</b> gradability	:	Result: Readily bio Biodegradation: 7 Exposure time: 28 Method: OECD Te	3%
Bioaco	cumulative potential			
<u>Comp</u>	onents:			
Florfe Partitic	nicol: on coefficient: n-	:	log Pow: 0.373	

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00	ctanol	/water		pH: 7	
N	-Meth	yl-2-pyrrolidone:			
		n coefficient: n- /water	:	log Pow: -0.46 Method: OECD T	est Guideline 107
M	obilit	y in soil			
<u>C</u>	ompo	onents:			
FI	lorfen	icol:			
		ition among environ- compartments	:	Koc: 52 Method: FDA 3.08	3
Ot	ther a	adverse effects			
No	o data	a available			
13. DIS	SPOS	AL CONSIDERATION	IS		
	_				
	-	al methods			
VV	aste l	from residues	:		waste into sewer.
Co	ontam	ninated packaging	:	<ul> <li>Dispose of in accordance with local regulations.</li> <li>Empty containers should be taken to an approved waste had ling site for recycling or disposal.</li> <li>If not otherwise specified: Dispose of as unused product.</li> </ul>	
14. TR	ANSI	PORT INFORMATION			
In	iterna	tional Regulations			
-	NRTE	-			
	N nun	nber shipping name	:		
FI	roper	shipping name	•	N.O.S. (Florfenicol)	ALLY HAZARDOUS SUBSTANCE, LIQUID,
	lass		:	9	
	ackinę abels	g group	:	 9	
		mentally hazardous	÷	yes	
IA	TA-D	GR			
	N/ID I		:	UN 3082	
Pr	roper	shipping name	:	(Florfenicol)	azardous substance, liquid, n.o.s.
	lass		:	9	
	ackinę abels	g group	÷	III Miscellaneous	
Pa		g instruction (cargo	:	964	
Pa		g instruction (passen-	:	964	
		mentally hazardous	:	yes	

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IMDG-Code		
UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
		(Florfenicol)
Class	:	9
Packing group	:	III
Labels	:	9
EmS Code	:	F-A, S-F
Marine pollutant	:	yes

### 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.

#### 15. REGULATORY INFORMATION

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

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	:	28.09.2024
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	•	dd.mm.yyyy
Full toxt of other obbrout	ationa	

### Full text of other abbreviations

ACGIH BEI :	ACGIH - Bio	logical Exposure Indices (B	iEI)
-------------	-------------	-----------------------------	------

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

according to the Globally Harmonized System



## Florfenicol (45%) Injection Formulation

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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

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