according to GB/T 16483 and GB/T 17519



Florfenicol Solid Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 2024/04/06
5.0	2024/09/28	412407-00020	Date of first issue: 2016/01/07

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Florfenicol Solid Formulation
Manufacturer or supplier's de Company	etai :	i ls MSD
Address	:	No. 485 Jing Tai Road Pu Tuo District - Shanghai - China 200331
Telephone	:	+1-908-740-4000
Emergency telephone number	:	86-571-87268110
E-mail address	:	EHSDATASTEWARD@msd.com
Recommended use of the ch	em	ical and restrictions on use
Recommended use Restrictions on use	:	Veterinary product Not applicable

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance Colour Odour	:	powder white No data available			
May be harmful if swallowed. Suspected of damaging fertility. Suspected of damaging the unbo child. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.					
GHS Classification					
Acute toxicity (Oral)	:	Category 5			
Reproductive toxicity	:	Category 2			
Specific target organ toxicity - repeated exposure	:	Category 1			
Short-term (acute) aquatic hazard	:	Category 1			
Long-term (chronic) aquatic hazard	:	Category 1			



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	label elements rd pictograms		¥
Signa	al word	: Danger	•
Haza	rd statements	H361fd Suspe ing the unborn H372 Causes exposure.	harmful if swallowed. ected of damaging fertility. Suspected of damag- n child. damage to organs through prolonged or repeated kic to aquatic life with long lasting effects.
Preca	autionary statements	P202 Do not l and understor P260 Do not l P264 Wash s P270 Do not c P273 Avoid re	preathe dust. kin thoroughly after handling. eat, drink or smoke when using this product. elease to the environment. rotective gloves/ protective clothing/ eye protec-
		Response: P312 Call a P P391 Collect	OISON CENTER/ doctor if you feel unwell. spillage.
		Storage: P405 Store lo	cked up.
		Disposal: P501 Dispose	of contents/ container to an approved waste

P501 Dispose of contents/ container to an approved waste disposal plant.

Physical and chemical hazards

Not classified based on available information.

Health hazards

May be harmful if swallowed. Suspected of damaging fertility. Suspected of damaging the unborn child. Causes damage to organs through prolonged or repeated exposure.

Environmental hazards

Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Other hazards which do not result in classification

Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin. May form explosive dust-air mixture during processing, handling or other means.



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3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	:	Mixture		
Components				
Chemical name			CAS-No.	Concentration (% w/w)
Florfenicol			73231-34-2	>= 50 -< 70

4. FIRST AID MEASURES

media

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. 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.
In case of ave contact		Thoroughly clean shoes before reuse. If in eyes, rinse well with water.
In case of eye contact	•	Get medical attention if irritation develops and persists.
If swallowed		If swallowed, DO NOT induce vomiting.
il olidiloliod	•	Get medical attention.
		Rinse mouth thoroughly with water.
Most important symptoms	:	May be harmful if swallowed.
and effects, both acute and delayed		Suspected of damaging fertility. Suspected of damaging the unborn child.
		Causes damage to organs through prolonged or repeated exposure.
		Contact with dust can cause mechanical irritation or drying of the skin.
		Dust contact with the eyes can lead to mechanical irritation.
Protection of first-aiders	:	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).
Notes to physician	:	Treat symptomatically and supportively.
5. FIREFIGHTING MEASURES		
Suitable extinguishing media		Water spray
	•	Alcohol-resistant foam
		Carbon dioxide (CO2)
		Dry chemical
Unsuitable extinguishing media	:	None known.

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	Specific fighting	hazards during fire-	:	concentrations, ar potential dust exp	dust; fine dust dispersed in air in sufficient nd in the presence of an ignition source is a losion hazard. pustion products may be a hazard to health.		
	Hazardo ucts	ous combustion prod-	:	Carbon oxides Nitrogen oxides (NOx)			
	Specific ods	extinguishing meth-	:	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.			
	Special for firefi	protective equipment ghters	:	In the event of fire Use personal prot	e, wear self-contained breathing apparatus. ective equipment.		
6. AC	CCIDEN	ITAL RELEASE MEAS	SUR	RES			
1	tive equ	al precautions, protec- ipment and emer- procedures	:		ective equipment. ing advice (see section 7) and personal pro- recommendations (see section 8).		
	Environ	mental precautions	:	Retain and dispos	akage or spillage if safe to do so. e of contaminated wash water. should be advised if significant spillages		
		s and materials for ment and cleaning up	:	tainer for disposal Avoid dispersal of with compressed Dust deposits sho es, as these may leased into the atr Local or national r posal of this mate employed in the c mine which regula Sections 13 and 1	dust in the air (i.e., clearing dust surfaces		

7. HANDLING AND STORAGE

Handling

Technical measures

: Static electricity may accumulate and ignite suspended dust

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	Local/Total ventilation Advice on safe handling Advice on safe handling Construction Advice on safe handling Construction Avoid contact with Avoid contact with Avoid prolonged Wash skin thorow Handle in accord practice, based of sessment Minimize dust get Keep container of Keep away from Take precautions Do not eat, drink		and bonding, or ir Use only with ade Do not breathe du Do not swallow. Avoid contact with Avoid prolonged of Wash skin thorou Handle in accorda practice, based of sessment Minimize dust ger Keep container cl Keep away from h Take precautiona Do not eat, drink of	precautions, such as electrical grounding nert atmospheres. equate ventilation. ist.
Avoidance	e of contact	:	Oxidizing agents	
Storage				
Conditions Materials	s for safe storage to avoid	 Keep in properly labelled containers. Store locked up. Store in accordance with the particular national reg Do not store with the following product types: 		ce with the particular national regulations.
Packaging	g material	:	Strong oxidizing a Unsuitable materi	igents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workpla	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			
Engineering measures	:	compound. All engineerin design and op	g controls shoul	trols to minimize expo d be implemented by dance with GMP princ d the environment.	facility			
Personal protective equipr	nent							
Respiratory protection	:	sure assessm	ent demonstrate	tilation is not available es exposures outside spiratory protection.				
Filter type	:	Particulates ty						
Eye/face protection	:	Wear safety g	lasses with side	shields or goggles.				
			-					

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Hand	and body protection protection aterial	mists or aeroso Wear a facesh potential for dir aerosols.	ironment 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 or laboratory coat.
Hygie	ene measures	eye flushing sy ing place. When using do Wash contamin The effective o engineering co appropriate de industrial hygie	chemical is likely during typical use, provide restems and safety showers close to the work- o not eat, drink or smoke. nated clothing before re-use. peration of a facility should include review of ntrols, proper personal protective equipment, gowning and decontamination procedures, ene monitoring, medical surveillance and the trative controls.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Colour	:	white
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	:	Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	May form explosive dust-air mixture during processing, han- dling or other means.
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available



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Va	apour pressure	: No data avail	able	
R	elative vapour density	: Not applicable	9	
R	elative density	: No data avail	able	
D	ensity	: No data avail	able	
S	olubility(ies) Water solubility	: No data avail	able	
	artition coefficient: n- ctanol/water	: Not applicable	e	
	uto-ignition temperature	: No data avail	able	
D	ecomposition temperature	: No data avail	able	
Vi	scosity Viscosity, kinematic	: Not applicable	e	
E	xplosive properties	: Not explosive		
0	xidizing properties	: The substanc	e or mixture is not classified as oxidizing.	
	article characteristics article size	: No data avail	able	

10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reac- tions	:	Not classified as a reactivity hazard. Stable under normal conditions. May form explosive dust-air mixture during processing, han- dling or other means. Can react with strong oxidizing agents.
Conditions to avoid	:	Heat, flames and sparks. Avoid dust formation.
Incompatible materials Hazardous decomposition products	:	

11. TOXICOLOGICAL INFORMATION

Exposure routes	: Inhalation
	Skin contact
	Ingestion
	Eye contact

Acute toxicity

May be harmful if swallowed.



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ersion 0	Revision Date: 2024/09/28	-	S Number: 2407-00020	Date of last issue: 2024/04/06 Date of first issue: 2016/01/07
<u>Produ</u> Acute	uct: oral toxicity	:	Acute toxicity e	estimate: 5,000 mg/kg
			Method: Calcul	lation method
<u>Comp</u>	oonents:			
	enicol:			
Acute	oral toxicity	:	LD50 (Rat): > 2	2,000 mg/kg
			LD50 (Mouse):	> 2,000 mg/kg
			LD50 (Dog): >	1,280 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): > 0 Exposure time:	
Acute	dermal toxicity	:	Remarks: No d	lata available
	toxicity (other routes of histration)	:		913 - 2,253 mg/kg ute: Intraperitoneal
			LD50 (Mouse): Application Ro	100 mg/kg ute: Intravenous
II Skin (corrosion/irritation			
Not cl	assified based on availa	ble	information.	
<u>Com</u> p	oonents:			
	enicol:		B 11 1	
Speci Resul	es t	:	Rabbit No skin irritatio	n
Not cl	us eye damage/eye irri assified based on availa conents:			
Florfe	enicol:			
Speci		:	Rabbit Mild ava irritatio	
Resul	ll and a second s	•	Mild eye irritatio	ווט
Resp	iratory or skin sensitis	atio	n	
-	sensitisation assified based on availa	ble	information.	
-	iratory sensitisation assified based on availa	ble	information.	



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Components:

Florfenicol:

Test Type Species Result	:	Maximisation Test
Species	:	Guinea pig
Result	:	negative

Germ cell mutagenicity

Not classified based on available information.

Components:

Florfenicol:

Genotoxicity in vitro :	Test Type: Bacterial reverse mutation assay (AMES) Result: negative
	Test Type: DNA damage and repair, unscheduled DNA syn- thesis in mammalian cells (in vitro) Test system: rat hepatocytes Result: negative
	Test Type: In vitro mammalian cell gene mutation test Test system: mouse lymphoma cells Result: negative
	Test Type: Chromosome aberration test in vitro Test system: Chinese hamster ovary cells Result: positive
Genotoxicity in vivo :	Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Oral Result: negative

Carcinogenicity

Not classified based on available information.

Components:

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



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ersion 0	Revision Date: 2024/09/28	-	0S Number: 2407-00020	Date of last issue: 2024/04/06 Date of first issue: 2016/01/07
Targe	t Organs	:	Testes, Blood	
Suspe	oductive toxicity ected of damaging fer oonents:	tility. S	Suspected of dar	naging the unborn child.
Florfe	enicol:			
	s on fertility	:	Species: Rat Application Ro Fertility: LOAE	p-generation reproduction toxicity study ute: Oral L: 12 mg/kg body weight sed pup survival, reduced lactation
Effect ment	s on foetal develop-	:	Species: Rat General Toxici Embryo-foetal Result: No tera	bryo-foetal development ty Maternal: NOAEL: 4 mg/kg body weight toxicity: LOAEL: 40 mg/kg body weight togenic effects, Fetotoxicity effects were seen only at maternally toxic dos
			Species: Mous Application Ro General Toxici	ute: oral (gavage) ty Maternal: NOAEL: 120 mg/kg body weight toxicity: LOAEL: 40 mg/kg body weight
Repro sessm	oductive toxicity - As- nent	:	fertility, based	e of adverse effects on sexual function and on animal experiments., Some evidence of s on development, based on animal experi-

STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Components:

Florfenicol:

Target Organs	:	Liver, Brain, Testis, Spinal cord, Blood, gallbladder
Assessment	:	Causes damage to organs through prolonged or repeated
		exposure.

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Repeated dose toxicity

Components:

Florfenicol: Species NOAEL Exposure time Target Organs	: Dog : 3 mg/kg : 13 Weeks : Liver, Testis, Brain, Spinal cord
Species	: Mouse
NOAEL	: 200 mg/kg
Exposure time	: 13 Weeks
Target Organs	: Liver, Testis
Species	: Rat
NOAEL	: 30 mg/kg
Exposure time	: 13 Weeks
Target Organs	: Liver, Testis
Species	: Dog
NOAEL	: 3 mg/kg
LOAEL	: 12 mg/kg
Exposure time	: 52 Weeks
Target Organs	: Liver, gallbladder
Species	: Rat
NOAEL	: 1 mg/kg
LOAEL	: 3 mg/kg
Exposure time	: 52 Weeks
Target Organs	: Testis

Aspiration toxicity

Not classified based on available information.

12. ECOLOGICAL INFORMATION

Ecotoxicity	
Components:	
Florfenicol:	
Toxicity to fish :	LC50 (Lepomis macrochirus (Bluegill sunfish)): > 830 mg/l Exposure time: 96 h Method: FDA 4.11
	LC50 (Oncorhynchus mykiss (rainbow trout)): > 780 mg/l Exposure time: 96 h Method: FDA 4.11
Toxicity to daphnia and other :	EC50 (Daphnia magna (Water flea)): > 330 mg/l

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sion	Revision Date: 2024/09/28		OS Number: 2407-00020	Date of last issue: 2024/04/06 Date of first issue: 2016/01/07
aquat	ic invertebrates		Exposure time Method: OECI	: 48 h) Test Guideline 202
Toxicity to algae/aquatic plants		:	EC50 (Pseudo mg/l Exposure time Method: FDA 4	
			NOEC (Pseud mg/l Exposure time Method: FDA 4	
			IC50 (Skeletor Exposure time Method: ISO 1	
			NOEC (Skelete Exposure time Method: ISO 1	
			Exposure time	gibba (gibbous duckweed)): 0.76 mg/l : 7 d) Test Guideline 221
			Exposure time	i gibba (gibbous duckweed)): 0.39 mg/l : 7 d) Test Guideline 221
			Exposure time	a pelliculosa (Freshwater diatom)): 61 mg/l : 72 h) Test Guideline 201
			Exposure time	ila pelliculosa (Freshwater diatom)): 19 mg/l : 72 h) Test Guideline 201
			Exposure time	ena flos-aquae): 0.066 mg/l : 72 h D Test Guideline 201
			Exposure time	ena flos-aquae): 0.051 mg/l : 72 h) Test Guideline 201
	ctor (Acute aquatic tox-	:	10	
icity) Toxici icity)	ty to fish (Chronic tox-	:	Exposure time	hales promelas (fathead minnow)): 5.5 mg/l : 32 d) Test Guideline 210



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Toxicity to daphnia and other : NOEC (Daphnia magna (Water flea)): 1.5 mg/l Exposure time: 21 d Method: OECD Test Guideline 211 M-Factor (Chronic aquatic : 10 Wethod: OECD Test Guideline 211 Method: OECD Test Guideline 211 M-Factor (Chronic aquatic : 10 voicity) Persistence and degradability No data available Bioaccumulative potential Components: Florfenicol: Partition coefficient: n- or phriting coefficient: n- phi: 7 log Pow: 0.373 Mobility in soil Components: Florfenicol: Distribution among environ- methods Method: FDA 3.08 Other adverse effects No data available Do not dispose of waste into sewer. Dispose of in accordance with local regulations. Contaminated packaging : Do not dispose of as unused product. 11 rot otherwise specified: Dispose of as unused product. If not otherwise specified: Dispose of as unused product. 14. TRANSPORT INFORMATION International Regulations UN number : UN 3077 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID	Version 5.0	Revision Date: 2024/09/28		OS Number: 2407-00020	Date of last issue: 2024/04/06 Date of first issue: 2016/01/07
aquatic invertebrates (Chron- ic toxicity) Exposure time: 21 d Method: OECD Test Guideline 211 M.Factor (Chronic aquatic : 10 toxicity) Persistence and degradability No data available Bioaccumulative potential <u>Components:</u> Florfenicol: Partition coefficient: n- octanol/water : log Pow: 0.373 pH: 7 Mobility in soil <u>Components:</u> Florfenicol: Distribution among environ- : Koc: 52 mental compartments : Method: FDA 3.08 Other adverse effects No data available 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 had dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. 14. TRANSPORT INFORMATION International Regulations UNRTDG UN number : UN 3077					
Itoxicity) Persistence and degradability No data available Bioaccumulative potential Components: Florfenicol: Partition coefficient: n- octanol/water iog Pow: 0.373 Partition coefficient: n- octanol/water pH: 7 Mobility in soil Components: Florfenicol: Distribution among environ- mental compartments Koc: 52 Method: FDA 3.08 Other adverse effects No data available Method: FDA 3.08 13. DISPOSAL CONSIDERATIONS Do not dispose of waste into sewer. Disposel methods Waste from residues : Contaminated packaging : If not otherwise specified: Dispose of as unused product. It rtANSPORT INFORMATION International Regulations UN number : UN number :	aquation	c invertebrates (Chron-		Exposure time: 2	1 d
No data available Bioaccumulative potential Components: Florfenicol: Partition coefficient: n- octanol/water Mobility in soil Components: Florfenicol: Distribution among environ- mental compartments Koc: 52 Method: FDA 3.08 Other adverse effects No data available 13. DISPOSAL CONSIDERATIONS Disposal methods Waste from residues Contaminated packaging 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 had ding site for recycling or disposal. If not otherwise specified: Dispose of as unused product. It. TRANSPORT INFORMATION International Regulations UNRTDG UN number UN number UN 3077			:	10	
Components: Florfenicol: Partition coefficient: n- octanol/water : log Pow: 0.373 pH: 7 Mobility in soil Components: Florfenicol: Distribution among environ- mental compartments : Koc: 52 Method: FDA 3.08 Other adverse effects No data available 13. DISPOSAL CONSIDERATIONS Waste from residues : Do not dispose of waste into sewer. Dispose of in accordance with local regulations. Contaminated packaging Contaminated packaging : Empty containers should be taken to an approved waste har ding site for recycling or dispose. If not otherwise specified: Dispose of as unused product. 14. TRANSPORT INFORMATION International Regulations UNRTDG UN number : UN 3077		-	ity		
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Partition coefficient: n- octanol/water pH: 7 Mobility in soil <u>Components:</u> Florfenicol: Distribution among environ- mental compartments Kcc: 52 Method: FDA 3.08 Other adverse effects No data available 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 had dling site for recycling or dispose of as unused product. 14. TRANSPORT INFORMATION International Regulations UNRTDG UN number : UN 3077	<u>Comp</u>	onents:			
octanol/water pH: 7 Mobility in soil Components: Florfenicol: Distribution among environ- mental compartments Koc: 52 Method: FDA 3.08 Other adverse effects No data available Method: FDA 3.08 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 had dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. 14. TRANSPORT INFORMATION International Regulations UNRTDG UN number : UN 3077	Florfe	nicol:			
Components: Florfenicol: Distribution among environments Koc: 52 mental compartments Method: FDA 3.08 Other adverse effects No data available 13. DISPOSAL CONSIDERATIONS Encode adverse effects Waste from residues Encode adverse of waste into sewer. Disposal methods Empty containers should be taken to an approved waste had ding site for recycling or disposal. If not otherwise specified: Dispose of as unused product. 14. TRANSPORT INFORMATION International Regulations UNRTDG UN number : UN 3077			:		
Florfenicol: Distribution among environ- mental compartments Koc: 52 Method: FDA 3.08 Other adverse effects No data available 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 hadling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. 14. TRANSPORT INFORMATION International Regulations UNRTDG UN number : UN 3077	Mobili	ty in soil			
Distribution among environ- mental compartments : Koc: 52 Method: FDA 3.08 Other adverse effects No data available : Method: FDA 3.08 13. DISPOSAL CONSIDERATIONS : Do not dispose of waste into sewer. 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 had dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. 14. TRANSPORT INFORMATION International Regulations UNRTDG UN number : UN 3077	<u>Comp</u>	onents:			
mental compartments Method: FDA 3.08 Other adverse effects No data available Method: FDA 3.08 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 had dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. 14. TRANSPORT INFORMATION International Regulations UNRTDG UN number : UN 3077	Florfe	nicol:			
No data available 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 had dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. 14. TRANSPORT INFORMATION International Regulations UNRTDG UN number : UN 3077			:		8
Disposal methods : Do not dispose of waste into sewer. Waste from residues : Do not dispose of waste into sewer. Contaminated packaging : Empty containers should be taken to an approved waste had dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. 14. TRANSPORT INFORMATION International Regulations UNRTDG UN number : UN 3077					
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 hadling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. 14. TRANSPORT INFORMATION International Regulations UNRTDG UN number : UN 3077	13. DISPO	SAL CONSIDERATION	IS		
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 hadling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. 14. TRANSPORT INFORMATION International Regulations UNRTDG UN number : UN 3077	Diana	cal mathada			
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dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. 14. TRANSPORT INFORMATION International Regulations UNRTDG UN number : UN 3077	Conto	minated packaging		Dispose of in accordance with local regulations.Empty containers should be taken to an approved was dling site for recycling or disposal.	
International Regulations UNRTDG UN number : UN 3077	Contai	ninaleu packaging	•		
UNRTDG UN number : UN 3077	14. TRANS	PORT INFORMATION			
UN number : UN 3077	Intern	ational Regulations			
	UNRT	DG			
			:		
N.O.S.	Fioper	shipping name	•	N.O.S.	TET HAZARDOUS SUBSTAINCE, SULID,
(Florfenicol) Class : 9	Class				
Packing group : III Labels : 9	Packin		:	III	
13 / 16				13 / 16	

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Er	vironmentally hazardous	:	yes	
U	TA-DGR N/ID No. oper shipping name	:	UN 3077 Environmentally h (Florfenicol)	nazardous substance, solid, n.o.s.
Pa	ass acking group ibels acking instruction (cargo	::	9 III Miscellaneous 956	
air Pa ge	acking instruction (cargo acking instruction (passen- er aircraft) avironmentally hazardous	:	956	
	•	•	yes	
U	I DG-Code N number oper shipping name	:	UN 3077 ENVIRONMENTA N.O.S. (Florfenicol)	ALLY HAZARDOUS SUBSTANCE, SOLID,
Pa La En	ass acking group ibels nS Code arine pollutant	: : : : : : : : : : : : : : : : : : : :	9 III 9 F-A, S-F yes	

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

Not applicable for product as supplied.

National Regulations

GB 6944/12268 UN number Proper shipping name	:	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Florfenicol)
Class	:	9
Packing group	:	III
Labels	:	9
Marine pollutant	:	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.

15. REGULATORY INFORMATION

National regulatory information

Law on the Prevention and Control of Occupational Diseases

Regulations on Safety Management of Hazardous Chemicals



according to GB/T 16483 and GB/T 17519

Version 5.0	Revision Date: 2024/09/28	SDS Number: 412407-00020	Date of last issue: 2024/04/06 Date of first issue: 2016/01/07					
Cat	alogue of Hazardous Che	micals	: This product is not listed in the cata- logue of hazardous chemicals, but it meets the definition of hazardous chemicals and its principles of de- termination.					
	ntification of Major Hazard 218)	Installations for Ha	zardous Chemicals (GB : Not listed					
Haz SAV	zardous Chemicals for Pric	ority Management u	nder : Not listed					
	gulations on Labour Prot alogue of Highly Toxic Ch	-	ces where Toxic Substances are Used : Not listed					
Reg	gulation of Environmenta I Export of Toxic Chemic	al Management on	the First Import of Chemicals and the Import					
Chi	na Severely Restricted To I Export		nport : Not listed					
	Regulation on the Administration of Precursor Chemicals Catalogue and Classification of Precursor Chemicals : Not listed							
Yar	ngtze River Protection La	aw						
Thi	s product does not contair	any dangerous che	emicals prohibited for inland river transport.					
The AIC	• •	educt are reported : not determined	in the following inventories:					
DS	L	: not determined	t					
IEC	SC	: not determined	t					
16. OTH	ER INFORMATION							
Rev	vision Date	: 2024/09/28						
Fur	ther information							
	urces of key data used to npile the Safety Data eet		cal data, data from raw material SDSs, OECD search results and European Chemicals Agen- .europa.eu/					
Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.								
Dat	e format	: yyyy/mm/dd						

according to GB/T 16483 and GB/T 17519



Florfenicol Solid Formulation

Version	Revision Date:	SDS I
5.0	2024/09/28	41240

S Number: 407-00020 Date of last issue: 2024/04/06 Date of first issue: 2016/01/07

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods: vPvB - Verv Persistent and Verv Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Disclaimer

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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