

Version 2.7	Revision Date: 28.09.2024	•-	9S Number: 65214-00009	Date of last issue: 30.09.2023 Date of first issue: 21.09.2020		
SECTION	1. IDENTIFICATION					
Product name		:	Milbemycin Oxir	ne / Lufenuron Formulation		
	ifacturer or supplier's	s deta	ils MSD			
Company		:		Talcahuano 750, 6th floor, Ciudad Autonoma		
				rgentina C1013AAP		
Telephone		:	908-740-4000			
Emer	gency telephone	:	1-908-423-6000			
E-ma	il address	:	EHSDATASTEV	VARD@msd.com		
Reco	mmended use of the	chem	nical and restricti	ons on use		
		Veterinary produ Not applicable	uct			

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Skin sensitization	:	Category 1
Reproductive toxicity	:	Category 1B
Specific target organ toxicity - repeated exposure (Oral)	:	Category 1 (Central nervous system, Lungs, Liver, Stomach)
Specific target organ toxicity - repeated exposure	:	Category 2 (Central nervous system)
Short-term (acute) aquatic hazard	:	Category 1
Long-term (chronic) aquatic hazard	:	Category 1
GHS label elements		
Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	H317 May cause an allergic skin reaction.



Version 2.7	Revision Date: 28.09.2024	SDS Number: 6365214-00009	Date of last issue: 30.09.2023 Date of first issue: 21.09.2020
		H372 Causes Lungs, Liver, S sure if swallow H373 May cau through prolon	amage the unborn child. damage to organs (Central nervous system, Stomach) through prolonged or repeated expo- red. se damage to organs (Central nervous system) ged or repeated exposure. ic to aquatic life with long lasting effects.
Preca	utionary Statements	Prevention:	
		P201 Obtain s P202 Do not h and understoo P260 Do not b P264 Wash sk P270 Do not e P272 Contami the workplace. P273 Avoid rel	reathe dust/ fume/ gas/ mist/ vapors/ spray. in thoroughly after handling. at, drink or smoke when using this product. nated work clothing should not be allowed out of lease to the environment. btective gloves/ protective clothing/ eye protec-
		P308 + P313 I attention. P333 + P313 I vice/ attention.	Fake off contaminated clothing and wash it before
		Storage: P405 Store loc	sked up.
		Disposal:	of contents/ container to an approved waste

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Lufenuron (ISO)	103055-07-8	>= 30 -< 50
Cellulose	9004-34-6	>= 10 -< 20
Starch	9005-25-8	>= 5 -< 10
Milbemycin Oxime	129496-10-2	>= 1 -< 2,5

SECTION 4. FIRST AID MEASURES



Version 2.7	Revision Date: 28.09.2024	S Number:Date of last issue:55214-00009Date of first issue:		
Gen	eral advice	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.		
If in	naled	If inhaled, remove to fresh air. Get medical attention.		
In ca	ase 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 ca	ase of eye contact	: Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.		
lf sw	vallowed	If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.		
	t important symptoms effects, both acute and yed	 May cause an allergic skin reaction. May damage the unborn child. Causes damage to organs through prolonged or repeated exposure if swallowed. May cause damage to organs through prolonged or repeated exposure. 		
Prot	ection of first-aiders	First Aid responders should pay atten and use the recommended personal p when the potential for exposure exists	protective equipment	
Note	es to physician	Treat symptomatically and supportive		

SECTION 5. FIRE-FIGHTING MEASURES

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



Version 2.7	Revision Date: 28.09.2024		DS Number: 65214-00009	Date of last issue: 30.09.2023 Date of first issue: 21.09.2020
SECTION	6. ACCIDENTAL RELE	AS	E MEASURES	
tive e	onal precautions, protec- quipment and emer- y procedures	• :	Follow safe han	otective equipment. dling advice (see section 7) and personal ment recommendations (see section 8).
Envir	onmental precautions	:	Prevent further Retain and disp	o the environment. leakage or spillage if safe to do so. ose of contaminated wash water. s should be advised if significant spillages ined.
	ods and materials for inment and cleaning up	:	container for dis Local or national disposal of this employed in the determine which Sections 13 and	cuum up spillage and collect in suitable sposal. Il regulations may apply to releases and material, as well as those materials and items cleanup of releases. You will need to regulations are applicable. If 15 of this SDS provide information regarding national 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 dust, fume, gas, mist, vapors or spray. Do not swallow. Avoid contact with eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Keep container tightly closed. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the
Conditions for safe storage	:	environment. Keep in properly labeled containers. Store locked up. Keep tightly closed.
Materials to avoid	:	Store in accordance with the particular national regulations. Do not store with the following product types: Strong oxidizing agents Self-reactive substances and mixtures Organic peroxides Explosives Gases



Version	Revision Date:	SDS Number:	Date of last issue: 30.09.2023
2.7	28.09.2024	6365214-00009	Date of first issue: 21.09.2020

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Lufenuron (ISO)	103055-07-8	TWA	60 µg/m3 (OEB 3)	Internal
	Further inform	ation: DSEN		
		Wipe limit	100 µg/100 cm2	Internal
Cellulose	9004-34-6	CMP	10 mg/m ³	AR OEL
		TWA	10 mg/m ³	ACGIH
Starch	9005-25-8	CMP	10 mg/m ³	AR OEL
	Further inform	ation: A4 - Not c	lassifiable as a huma	n carcinogen
		TWA	10 mg/m ³	ACGIH
Milbemycin Oxime	129496-10-2	TWA	0.1 mg/m3 (OEB2)	Internal

Engineering measures	:	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 are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face containment devices). Minimize open handling.
Personal protective equipment	nt	
Respiratory protection	:	If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.
Filter type Hand protection	:	Particulates type
Material	:	Chemical-resistant gloves
Remarks Eye protection	:	Consider double gloving. Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.
Skin and body protection	:	Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing.
Hygiene measures	:	If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the



/ersion 2.7	Revision Date: 28.09.2024		S Number: 5214-00009	Date of last issue: 30.09.2023 Date of first issue: 21.09.2020
			The effective ope engineering contr appropriate dego	ed clothing before re-use. ration of a facility should include review of ols, proper personal protective equipment, wning and decontamination procedures, monitoring, medical surveillance and the tive controls.
SECTION	9. PHYSICAL AND CHE	ΞΜΙΟ		S
Appea	arance	:	solid	
Color		:	brown	
Odor		:	odorless	
Odor	Threshold	:	No data available	9
рН		:	No data available	9
Meltir	ng point/freezing point	:	No data available	9
Initial range	boiling point and boiling	:	No data available	2
Flash	point	:	Not applicable	
Evapo	oration rate	:	Not applicable	
Flamr	nability (solid, gas)	:	No data available	9
Flamr	nability (liquids)	:	Not applicable	
	r explosion limit / Upper nability limit	:	No data available	9
	r explosion limit / Lower nability limit	:	No data available	9
Vapo	rpressure	:	Not applicable	
Relati	ve vapor density	:	Not applicable	
Relati	ve density	:	No data available	9
Densi	ty	:	No data available	9
	ility(ies) ater solubility	:	soluble	
	on coefficient: n-	:	Not applicable	
	ol/water gnition temperature	:	No data available	9
Deco	mposition temperature	:	No data available	9



Version 2.7	Revision Date: 28.09.2024	SDS Number: 6365214-00009	Date of last issue: 30.09.2023 Date of first issue: 21.09.2020
	osity scosity, kinematic osive properties	: Not applicabl : Not explosive	
	zing properties cular weight	: The substand	ce or mixture is not classified as oxidizing.
Partic	cle characteristics cle size	: No data avail	
Partic			able

Reactivity Not classified as a reactivity bazard

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

SECTION 11. TOXICOLOGICAL INFORMATION

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

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity	:	Acute toxicity estimate: > 5.000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 10 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 5.000 mg/kg Method: Calculation method
Components:		
Lufenuron (ISO):		
Acute oral toxicity	:	LD50 (Rat): > 2.000 mg/kg
		LD50 (Mouse): > 2.000 mg/kg



Versio 2.7		Revision Date: 28.09.2024		DS Number: 65214-00009	Date of last issue: 30.09.2023 Date of first issue: 21.09.2020	
				Test atmosphere	e: dust/mist	
A	cute de	ermal toxicity	:	LD50 (Rabbit): >	2.000 mg/kg	
С	ellulos	e:				
A	cute or	al toxicity	:	LD50 (Rat): > 5.0	000 mg/kg	
A	Acute inhalation toxicity		:	LC50 (Rat): > 5,8 mg/l Exposure time: 4 h Test atmosphere: dust/mist		
A	cute de	ermal toxicity	:	LD50 (Rabbit): >	2.000 mg/kg	
S	tarch:					
A	cute or	al toxicity	:	LD50 (Rat): > 5.0	000 mg/kg	
A	cute de	ermal toxicity	:	LD50 (Rabbit): >	2.000 mg/kg	
М	lilbemy	cin Oxime:				
A	cute or	al toxicity	:	LD50 (Rat): 532	- 863 mg/kg	
				LD50 (Mouse): 7	/22 - 946 mg/kg	
A	Acute inhalation toxicity		:	LC50 (Rat): 1.20 Exposure time: 4 Test atmosphere	↓h ¯	
A	Acute dermal toxicity		:	LD50 (Rat): > 2.0	000 mg/kg	
•		rosion/irritation sified based on availa	able	information.		
<u>c</u>	ompor	nents:				
S M	ufenur pecies lethod lesult	on (ISO):	:	Rabbit Draize Test No skin irritation		
м	lilbemy	cin Oxime:				
Μ	pecies lethod lesult		:	Rabbit OECD Test Guic No skin irritation	deline 404	
		eye damage/eye irr sified based on availa				
<u>c</u>	ompor	nents:				
	ufenur pecies	on (ISO):	:	Rabbit		



ersion Revision Date: 7 28.09.2024		SDS Number: 6365214-00009	Date of last issue: 30.09.2023 Date of first issue: 21.09.2020		
Resu Metho		: No eye irritation : Draize Test	n		
Starc					
Speci Resu		: Rabbit : No eye irritation	n		
Milbe	mycin Oxime:				
Speci Resu		: Rabbit : No eye irritation	n		
Resp	iratory or skin sens	itization			
-	sensitization cause an allergic skir	reaction.			
Resp	iratory sensitization	I			
	oonents:				
Lufenuron (ISO): Test Type Species Assessment Result		: Guinea pig	: May cause sensitization by skin contact.		
Starc Test ⁻ Route Speci	Гуре es of exposure	: Maximization T : Skin contact : Guinea pig	est		
Resu		: negative			
Milbemycin Oxime:Routes of exposure:Species:Result:		: Skin contact : Guinea pig : negative			
	cell mutagenicity lassified based on av	ailable information.			
<u>Com</u>	oonents:				
	nuron (ISO): toxicity in vitro	: Test Type: Am Result: negativ			
		Test Type: Mou Test system: C Result: negativ	hinese hamster cells		
		Test Type: Cyt	ogenetic assay		
		9 / 19			



Version 2.7	Revision Date: 28.09.2024	SDS Number:Date of last issue: 30.09.20236365214-00009Date of first issue: 21.09.2020
		Test system: Chinese hamster ovary cells Result: negative
		Test Type: DNA damage and repair, unscheduled DNA syn- thesis in mammalian cells (in vitro) Test system: rat hepatocytes Result: negative
		Test system: Human lymphocytes Result: negative
Geno	otoxicity in vivo	: Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Result: negative
		Test Type: Unscheduled DNA synthesis test (UDS) in testicu- lar cells Species: Rat Result: negative
	n cell mutagenicity - ssment	: Weight of evidence does not support classification as a germ cell mutagen.
Cellu	llose:	
Geno	otoxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Result: negative
		Test Type: In vitro mammalian cell gene mutation test Result: negative
Geno	otoxicity in vivo	: Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Application Route: Ingestion Result: negative
Stard	ch:	
	otoxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Result: negative
Milbe	emycin Oxime:	
	ptoxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Result: negative
		Test Type: Chromosome aberration test in vitro Result: negative
Genc	otoxicity in vivo	: Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Result: negative



ersion .7	Revision Date: SDS Number: 28.09.2024 6365214-00009			Date of last issue: 30.09.2023 Date of first issue: 21.09.2020
	ogenicity ssified based on availa	able	information.	
<u>Compo</u>	onents:			
Lufenu	ron (ISO):			
Exposu Result	tion Route ire time		Rat Ingestion 18 month(s) negative	
Carcino ment	ogenicity - Assess-	:	Weight of evidend cinogen	ce does not support classification as a car-
Cellulo	se:			
Species Applica Exposu Result	tion Route	: :	Rat Ingestion 72 weeks negative	
-	fuctive toxicity mage the unborn child	ł.		
<u>Compo</u>	onents:			
Lufenu	iron (ISO):			
Effects	on fertility	:	Species: Rat Application Route General Toxicity I Early Embryonic I weight	eneration reproduction toxicity study : Oral Parent: NOAEL: 8,3 mg/kg wet weight Development: NOAEL: 20,9 mg/kg body sting did not show any effects on fertility.
Effects	on fetal development	:	Developmental To Symptoms: No ac Remarks: No sign Test Type: Fertilit	e: Oral Maternal: NOAEL: 500 mg/kg body weight oxicity: NOAEL: 1.000 mg/kg body weight
				Maternal: NOAEL: 20,9 mg/kg body weight city.: 8,3 mg/kg body weight
Reprod	uctive toxicity - As-	:	Clear evidence of	adverse effects on development, based on

Cellulose:

SAFETY DATA SHEET



Milbemycin Oxime / Lufenuron Formulation

Vers 2.7	ion	Revision Date: 28.09.2024	-	9S Number: 65214-00009	Date of last issue: 30.09.2023 Date of first issue: 21.09.2020
	Effects on fertility		:	Test Type: One-generation reproduction toxicity stuc Species: Rat Application Route: Ingestion Result: negative	
	Effects on fetal development		:	Test Type: Fertility/early embryonic development Species: Rat Application Route: Ingestion Result: negative	
	Milbem	ycin Oxime:			
		on fertility	:	Test Type: One-g Species: Dog Application Route Result: negative	eneration reproduction toxicity study
	Effects on fetal development		:	Test Type: Embry Species: Rat Application Route Result: negative	ro-fetal development
				Test Type: Embry Species: Rabbit Application Route Result: negative	ro-fetal development : Ingestion
				Test Type: Embry Species: Dog Application Route Result: negative	ro-fetal development : Ingestion
	STOT-s	single exposure			
		ssified based on availa	ble	information.	
	<u>Compo</u>	onents:			
	Lufenu	ron (ISO):			
	Assessi	· /	:	The substance or organ toxicant, sir	mixture is not classified as specific target ngle exposure.

STOT-repeated exposure

Causes damage to organs (Central nervous system, Lungs, Liver, Stomach) through prolonged or repeated exposure if swallowed.

May cause damage to organs (Central nervous system) through prolonged or repeated exposure.

Components:

Lufenuron (ISO):		
Routes of exposure Target Organs Assessment	:	Oral Central nervous system, Lungs, Liver, Stomach Shown to produce significant health effects in animals at con- centrations of 10 mg/kg bw or less.



rsion ,	Revision Date: 28.09.2024	SDS Number: 6365214-00009	Date of last issue: 30.09.2023 Date of first issue: 21.09.2020
Milbe	mycin Oxime:		
	s of exposure	: Ingestion	
	t Organs	: Central nervou	s system
	sment	: Shown to prod	uce significant health effects in animals at con I0 mg/kg bw or less.
Repe	ated dose toxicity		
<u>Comp</u>	oonents:		
Lufen	uron (ISO):		
Speci	es	: Rat	
NOAE		: 5,34 mg/kg	
	ation Route	: oral (feed)	
	sure time	: 4 Months	
	t Organs		s system, digestive system
Symp	toms	: central nervous	s system effects
Speci		: Rat	
NOAE		: 1,93 mg/kg	
	ation Route	: oral (feed)	
	sure time	: 2 y	
Symp	toms	: central nervous	s system effects, Convulsions
Speci		: Mouse	
NOAE		: 2,12 mg/kg	
	ation Route	: oral (feed)	
	sure time	: 18 Months	a state li en Desetate
Symp	t Organs toms		s system, Liver, Prostate s system effects, Convulsions
Speci	es	: Dog	
NOAE		: 7,02 mg/kg	
Applic	ation Route	: oral (feed)	
	sure time	: 1 y	
•	t Organs		s system, Liver, Lungs
Symp	toms	: Convulsions, F	atality, Irregularities
Cellul	lose:		
Speci	es	: Rat	
NOAE		: >= 9.000 mg/kg	a
	ation Route	: Ingestion	
	sure time	: 90 Days	
Starc	h:		
Speci		: Rat	
NOAE		: >= 2.000 mg/kg	n
	ation Route	: Skin contact	2
	sure time	: 28 Days	
Metho		: OECD Test Gu	ideline 410

Milbemycin Oxime:



Version 2.7	Revision Date: 28.09.2024	SDS Numbe 6365214-000	
NOAI LOAE Appli Expo	Species:NOAEL:LOAEL:Application Route:Exposure time:Symptoms:		g n orders, Blood disorders
LÓAE Appli Expo	Species:LOAEL:Application Route:Exposure time:Symptoms:		ig n
Not c	ration toxicity lassified based on ava		yn.
-	rience with human e	xposure	
Com	ponents:		
	nuron (ISO): ral Information		s: May be harmful if swallowed. se neurotoxic effects.
Milbe	emycin Oxime:		
Inges	tion	Vomiting	ns: Salivation, Convulsions, Diarrhea, Weakness, J. Tremors, Coma S: Based on Animal Evidence
SECTION	12. ECOLOGICAL IN	IFORMATION	
Ecot	oxicity		
Com	ponents:		
Lufe	nuron (ISO):		
	ity to fish	Exposure	ncorhynchus mykiss (rainbow trout)): > 73.100 μg/l e time: 96 h OECD Test Guideline 203
		Exposure	ncorhynchus mykiss (rainbow trout)): > 29.000 μg/l e time: 96 h OECD Test Guideline 203
		Exposure	ncorhynchus mykiss (rainbow trout)): 370 μg/l e time: 96 h OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Americamysis): 0,042 μg/l Exposure time: 96 h Method: US-EPA OPPTS 850.1035
		EC50 (Daphnia magna (Water flea)): 0,41 µg/l Exposure time: 48 h

Method: OECD Test Guideline 202



/ersion 2.7	Revision Date: 28.09.2024		9S Number: 65214-00009	Date of last issue: 30.09.2023 Date of first issue: 21.09.2020
	Toxicity to algae/aquatic plants		EC50 (Raphidoce μg/l Exposure time: 72 Method: OECD Te	
			EC50 (Scenedesr Exposure time: 72 Method: OECD Te	
	`	:	10.000	
icity) Toxi icity)	city to fish (Chronic tox-	:	NOEC (Oncorhyn Exposure time: 33 Method: OECD Te	
			NOEC (Oncorhyn Exposure time: 35 Method: OECD Te	
aqua	city to daphnia and other atic invertebrates (Chron- xicity)	:	NOEC (Daphnia r Exposure time: 21 Method: OECD Te	
			NOEC (Daphnia r Exposure time: 21 Method: OECD Te	
			NOEC (Chironom Exposure time: 21 Method: OECD Te	
M-Fa	actor (Chronic aquatic city)	:	10	
Cell	ulose:			
Toxi	city to fish	:	 LC50 (Oryzias latipes (Japanese medaka)): > 100 mg/l Exposure time: 48 h Remarks: Based on data from similar materials 	
Milb	emycin Oxime:			
	city to fish	:	LC50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): 0,16 μg/l δ h
	city to daphnia and other atic invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): 0,03 μg/l } h
Toxi plan	city to algae/aquatic ts	:	EC50: > 87 μg/l Exposure time: 72 h	
M-Fa	actor (Acute aquatic tox-	:	10.000	
Toxi aqua) city to daphnia and other atic invertebrates (Chron- xicity)	:	NOEC (Daphnia magna (Water flea)): 0,01 μg/l	



rsion 7	Revision Date: 28.09.2024		DS Number: 65214-00009	Date of last issue: 30.09.2023 Date of first issue: 21.09.2020
M-Fa toxic	actor (Chronic aquatic ity)	:	10.000	
Pers	sistence and degradabi	lity		
<u>Com</u>	ponents:			
Cell	ulose:			
Biod	egradability	:	Result: Readily b	biodegradable.
Bioa	accumulative potential			
Com	ponents:			
Lufe	enuron (ISO):			
Bioa	ccumulation	:	Bioconcentration	is macrochirus (Bluegill sunfish) n factor (BCF): 28 Test Guideline 305
	ition coefficient: n- nol/water	:	log Pow: 5,12	
Milb	emycin Oxime:			
Bioa	ccumulation	:	Bioconcentration	factor (BCF): 440
	ition coefficient: n- nol/water	:	log Pow: 7	
Mob	ility in soil			
<u>Com</u>	ponents:			
Lufe	enuron (ISO):			
Distr	ibution among environ- tal compartments	:	log Koc: 5,38 Method: OECD	Test Guideline 106
Othe	er adverse effects			
	lata available			
	N 13. DISPOSAL CONSI	DEF	RATIONS	
Disr	oosal methods			
-	te from residues	:	Do not dispose o	of waste into sewer.
Cont	taminated packaging	:	Empty container handling site for	cordance with local regulations. s should be taken to an approved waste recycling or disposal. specified: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number	:	UN 3077
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,



Version 2.7	Revision Date: 28.09.2024		DS Number: 65214-00009	Date of last issue: 30.09.2023 Date of first issue: 21.09.2020
Lat	ss cking group bels vironmentally hazardous	: :	N.O.S. (Milbemycin Oxir 9 III 9 yes	ne, Lufenuron (ISO))
UN Pro Cla Pao Lak Pao airc Pao ger	cking group bels cking instruction (cargo craft) cking instruction (passen- aircraft)			nazardous substance, solid, n.o.s. ne, Lufenuron (ISO))
IMI UN Pro Cla Pao Lat Em	vironmentally hazardous DG-Code number oper shipping name ss cking group bels S Code rine pollutant		N.O.S.	ALLY HAZARDOUS SUBSTANCE, SOLID, ne, Lufenuron (ISO))

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

Not applicable for product as supplied.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data 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					
Argentina. Carcinogenic Sub Registry.	stances and Agents : Not applicable				
Control of precursors and essential chemicals for the : Not applicable preparation of drugs.					
The ingredients of this product are reported in the following inventories:					
AICS	: not determined				
DSL	: not determined				



Version 2.7	Revision Date: 28.09.2024		DS Number: 65214-00009	Date of last issue: 30.09.2023 Date of first issue: 21.09.2020
IECS	С	:	not determined	
SECTION	16. OTHER INFORMA	TIO	N	
	ion Date format	:	28.09.2024 dd.mm.yyyy	
Furth	er information			
comp	ces of key data used to ile the Material Safety Sheet	:		data, data from raw material SDSs, OECD arch results and European Chemicals Agen- ropa.eu/
Full t	ext of other abbreviat	ions		
ACGI AR O	Н	:	USA. ACGIH Thr	eshold Limit Values (TLV) pational Exposure Limits
	H / TWA EL / CMP	:	8-hour, time-weig TLV (Threshold L	

tion 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



Version	Revision Date:	SDS Number:	Date of last issue: 30.09.2023
2.7	28.09.2024	6365214-00009	Date of first issue: 21.09.2020

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.

AR / Z8