

Version 3.0	Revision Date: 06.07.2024		9S Number: 00796-00011	Date of last issue: 13.04.2024 Date of first issue: 17.03.2021
SECTION	1. IDENTIFICATION			
Prod	uct name	:	Fluralaner / Mox	idectin / Pyrantel Pamoate Formulation
Manu	afacturer or supplier's	s deta	ils	
Com	bany	:	MSD	
Addro	ess	:		, 6th floor, Ciudad Autonoma rgentina C1013AAP
Telep	phone	:	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
	mmended use rictions on use	:	Veterinary produ Not applicable	uct

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification		
Skin corrosion/irritation	:	Category 3
Reproductive toxicity	:	Category 2
Short-term (acute) aquatic hazard	:	Category 1
Long-term (chronic) aquatic hazard	:	Category 1
GHS label elements Hazard pictograms	:	
Signal Word	:	Warning
Hazard Statements	:	H316 Causes mild skin irritation. H361d Suspected of damaging the unborn child. H410 Very toxic to aquatic life with long lasting effects.
Precautionary Statements	:	Prevention:



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		P202 Do not ha and understood P273 Avoid rele	ease to the environment. stective gloves/ protective clothing/ eye protec-
		attention.	F exposed or concerned: Get medical advice/ skin irritation occurs: Get medical advice/ atten- pillage.
		Storage: P405 Store loc	ked up.
		Disposal: P501 Dispose d disposal plant.	of contents/ container to an approved waste

Additional Labeling

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 18 %

Other hazards which do not result in classification

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Cellulose	9004-34-6	>= 20 -< 30
4,4'-Methylenebis[3-hydroxy-2-naphthoic] acid, compound with (E)-1,4,5,6-tetrahydro-1-methyl- 2-[2-(2-thienyl)vinyl]pyrimidine (1:1)	22204-24-6	>= 10 -< 20
Fluralaner	864731-61-3	>= 10 -< 20
Magnesium Aluminometasilicate	12511-31-8	>= 5 -< 10
Sodium n-dodecyl sulfate	151-21-3	>= 1 -< 2,5
2,6-Di-tert-butyl-p-cresol	128-37-0	>= 0,1 -< 0,25
Moxidectin	113507-06-5	>= 0,025 -< 0,1

SECTION 4. FIRST AID MEASURES

General 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 inhaled	: If inhaled, remove to fresh air. Get medical attention.



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In cas	se of skin contact	Remove conta Get medical at Wash clothing				
In case of eye contact		: If in eyes, rinse	If in eyes, rinse well with water. Get medical attention if irritation develops and persists.			
lf swa	allowed	: If swallowed, D Get medical at	O NOT induce vomiting.			
and e delay	important symptoms iffects, both acute and ed ction of first-aiders	 Causes mild sl Suspected of c Dust contact w First Aid respo and use the response 	S ,			
Notes	s to physician	•	atically and supportively.			

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 products	:	Carbon oxides Chlorine compounds Fluorine compounds Nitrogen oxides (NOx) Sulfur oxides Metal oxides Silicon 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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).
Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water.



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			Local authorities s cannot be contain	should be advised if significant spillages led.
	ds and materials for ment and cleaning up	:	container for disp Avoid dispersal of with compressed Dust deposits sho surfaces, as these released into the Local or national disposal of this m employed in the of determine which n Sections 13 and 1	f dust in the air (i.e., clearing dust surfaces

SECTION 7. HANDLING AND STORAGE

Technical measures	:	Static electricity may accumulate and ignite suspended dust causing an explosion. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
Local/Total ventilation Advice on safe handling		Use only with adequate ventilation. Do not get on skin or clothing. Do not breathe dust. Do not swallow. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Minimize dust generation and accumulation. Keep container closed when not in use. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	:	Keep in properly labeled containers. Store locked up. Store in accordance with the particular national regulations.
Materials to avoid	:	Do not store with the following product types: Strong oxidizing agents

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
Cellulose	9004-34-6	CMP	10 mg/m ³	AR OEL



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11			TWA	10 mg/m ³	ACGIH		
4,4'-Methylenebis[3-hydroxy-2- naphthoic] acid, compound with (E)-1,4,5,6-tetrahydro-1- methyl-2-[2-(2- thienyl)vinyl]pyrimidine (1:1)		22204-24-6	TWA	250 µg/m3 (OEB 2)	Internal		
Flural	laner	864731-61-3	TWA	100 µg/m3 (OEB 2)	Internal		
		Further inform	ation: Skin				
			Wipe limit	1000 µg/100 cm ²	Internal		
	nesium inometasilicate	12511-31-8	TWA (Respirable particulate matter)	1 mg/m³ (Aluminum)	ACGIH		
2,6-D	i-tert-butyl-p-cresol	128-37-0	CMP (Va- pour and aerosol, in- halable frac- tion)	2 mg/m ³	AR OEL		
		Further inform	Further information: A4 - Not classifiable as a human carcinogen				
			TWA (Inhalable fraction and vapor)	2 mg/m ³	ACGIH		
Moxic	dectin	113507-06-5	TŴA	10 µg/m3 (OEB 3)	Internal		
			Wipe limit	100 µg/100 cm ²	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
		Minimize open handling.

Personal protective equipment

Respiratory protection Filter type	:	If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection. Particulates type
Hand protection	•	
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.



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Hygie	ne measures	task being perfo disposable suits Use appropriate contaminated c : If exposure to c eye flushing sys working place. When using do Wash contamin The effective op engineering cor appropriate deg	hemical is likely during typical use, provide stems and safety showers close to the not eat, drink or smoke. ated clothing before re-use. beration of a facility should include review of ntrols, proper personal protective equipment, owning and decontamination procedures, ne monitoring, medical surveillance and the

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	solid
Color	:	light pink, to, light brown
Odor	:	aromatic
Odor 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, handling or other means.
Flammability (liquids)	:	Not applicable
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	Not applicable
Relative vapor density	:	Not applicable
Relative density	:	No data available



Versio 3.0	on	Revision Date: 06.07.2024		S Number: 00796-00011	Date of last issue: Date of first issue:	
D	Density	,	:	No data available	9	
S	Solubili Wat	ty(ies) er solubility	:	No data available	9	
-	Partition octanol	n coefficient: n-	:	Not applicable		
-		ition temperature	:	No data available	9	
D	Decom	position temperature	:	No data available	9	
V	/iscosi/ Visc	ty osity, kinematic	:	Not applicable		
E	Explosi	ve properties	:	Not explosive		
С	Dxidizir	ng properties	:	The substance o	r mixture is not class	sified as oxidizing.
Ν	Nolecu	lar weight	:	No data available	e	
-	Particle Particle	characteristics size	:	No data available	9	

SECTION 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, handling or other means. Can react with strong oxidizing agents.
Conditions to avoid	Heat, flames and sparks. Avoid dust formation.
Incompatible materials	Oxidizing agents
· · · · · · · · · · · · · · · · · · ·	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



ersion)	Revision Date: 06.07.2024		S Number: 00796-00011	Date of last issue: 13.04.2024 Date of first issue: 17.03.2021
<u>Comp</u>	oonents:			
Cellu	lose:			
Acute	oral toxicity	:	LD50 (Rat): > 5	.000 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): > 5 Exposure time: Test atmosphere	4 h _
Acute	dermal toxicity	:	LD50 (Rabbit):	> 2.000 mg/kg
	lethylenebis[3-hydro yl-2-[2-(2-thienyl)viny			, compound with (E)-1,4,5,6-tetrahydro-1-
	oral toxicity		LD50 (Rat): > 2	4.000 mg/kg
			LD50 (Mouse):	> 24.000 mg/kg
			LD50 (Dog): 2.0	000 mg/kg
Flural	laner:			
	oral toxicity	:		.000 mg/kg ortality observed at this dose. dverse effects were reported
Acute	dermal toxicity	:	LD50 (Rat): > 2 Remarks: No si	.000 mg/kg gnificant adverse effects were reported
II Magn	esium Aluminometa	silicat	e:	
	oral toxicity	:	LD50 (Rat): > 5	.000 mg/kg
Acute	inhalation toxicity	:		4 h
Acute	dermal toxicity	:	LD50 (Rabbit):	> 3,500 mg/kg
Sodiu	ım n-dodecyl sulfate	:		
	oral toxicity		LD50 (Rat): 1.2 Method: OECD	00 mg/kg Test Guideline 401
Acute	dermal toxicity	:		.000 mg/kg Test Guideline 402 d on data from similar materials
2,6-Di	i-tert-butyl-p-cresol:			
	oral toxicity	:	LD50 (Rat): > 6 Method: OECD	.000 mg/kg Test Guideline 401



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Acute	dermal toxicity	:	LD50 (Rat): > 2.0 Method: OECD T Assessment: The toxicity	
Moxic	dectin:			
Acute	oral toxicity	:	LD50 (Rat): 106 r	ng/kg
			LD50 (Mouse): 42	2 - 84 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): 3,28 Exposure time: 5 Test atmosphere:	h
			LC50 (Rat): 2,87 Test atmosphere:	
Acute	dermal toxicity	:	LD50 (Rabbit): > Remarks: No sigr	2.000 mg/kg ificant adverse effects were reported
	toxicity (other routes of istration)	:	LD50 (Rat): 394 r Application Route	
			LD50 (Mouse): 84 Application Route	
			LD50 (Rat): > 640 Application Route	
			LD50 (Mouse): 26 Application Route	
	corrosion/irritation es mild skin irritation.			
	oonents:			
Flura	laner:			
Speci Resul		:	Rabbit No skin irritation	
Magn	esium Aluminometasil	icat	e:	
Speci		:	Rabbit	
Resul Rema		:	No skin irritation Based on data fro	m similar materials
Sodiu	ım n-dodecyl sulfate:			
Speci	-	:	Rabbit	
Resul		:	Skin irritation	

2,6-Di-tert-butyl-p-cresol:



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Speci Metho Resul Rema	od t	 Rabbit OECD Test Guideline 404 No skin irritation Based on data from similar materials 	
Moxic Speci Resul	dectin: es t	: Rabbit : Mild skin irritation	
Not cl <u>Com</u> r	us eye damage/eye i assified based on ava ponents:		
Flura Speci Resul	es	: Rabbit : Mild eye irritation	
Magn Speci Resul Rema	t	licate: : Rabbit : No eye irritation : Based on data from similar materials	
Sodiu Speci Resul Metho	t	 Rabbit Irreversible effects on the eye OECD Test Guideline 405 	
2,6-D Speci Resul Metho Rema	t od	 Rabbit No eye irritation OECD Test Guideline 405 Based on data from similar materials 	
Moxic Speci Resul		RabbitModerate eye irritation	
Skin	iratory or skin sensit sensitization assified based on ava		
Resp Not cl	iratory sensitization assified based on ava ponents:		
Flura ∎Test 1	laner:	: Maximization Test	



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Route Speci Resu		 Dermal Guinea pig Not a skin sensitizer. 	
Magn	esium Aluminometa	ilicate:	
Test Route Speci Metho Resu Rema	es of exposure ies od It	 Maximization Test Skin contact Guinea pig OECD Test Guideline 406 negative Based on data from similar materials 	
Sodiu	um n-dodecyl sulfate		
Test	Type es of exposure ies It	 Maximization Test Skin contact Guinea pig negative Based on data from similar materials 	
2,6-D	i-tert-butyl-p-cresol:		
Test Route Speci Resu	es of exposure les	 Human repeat insult patch test (HRIPT) Skin contact Humans negative 	
Moxi	dectin:		
Test Route Speci Resu	es of exposure les	 Buehler Test Dermal Guinea pig Not a skin sensitizer. 	
Germ	cell mutagenicity		
Not c	lassified based on ava	lable information.	
<u>Com</u>	ponents:		
Cellu			
Geno	toxicity in vitro	 Test Type: Bacterial reverse mutation assay (AMES) Result: negative Test Type: In vitro mammalian cell gene mutation test Result: negative 	
Geno	toxicity in vivo	: Test Type: Mammalian erythrocyte micronucleus test (in v cytogenetic assay) Species: Mouse Application Route: Ingestion Result: negative	ivo



ersion .0	Revision Date: 06.07.2024		S Number: 00796-00011	Date of last issue: 13.04.2024 Date of first issue: 17.03.2021
	lethylenebis[3-hyd yl-2-[2-(2-thienyl)vi			id, compound with (E)-1,4,5,6-tetrahydro-1-
	toxicity in vitro	:		acterial reverse mutation assay (AMES) ive
II Flural	laner:			
	Genotoxicity in vitro		Test Type: Ba Result: negat	acterial reverse mutation assay (AMES) ive
			Test Type: M Result: negat	ouse Lymphoma ive
			Test Type: C Result: negat	nromosomal aberration ive
Genot	toxicity in vivo	:	Test Type: M Species: Mou Cell type: Bou Application R Result: negat	ne marrow oute: Oral
Magn	esium Aluminome	tasilicat	e:	
Genot	toxicity in vitro	:	Result: negat	acterial reverse mutation assay (AMES) ive sed on data from similar materials
			Method: OEC Result: negat	
			Remarks: Ba	sed on data from similar materials
			Result: negat	nromosome aberration test in vitro ive sed on data from similar materials
Genot	toxicity in vivo	:	cytogenetic te Species: Rat Application R Result: negat	
			Remarks: Ba	sed on data from similar materials
	ım n-dodecyl sulfa	te:		
Genot	toxicity in vitro	:		acterial reverse mutation assay (AMES) D Test Guideline 471 ive
			Test Type: In Result: negat	vitro mammalian cell gene mutation test ive
Genot	toxicity in vivo	:	Test Type: R	odent dominant lethal test (germ cell) (in vivo)



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l A	Species: Mouse Application Route: Result: negative	Ingestion
2,6-Di-tert-butyl-p-cresol:		
Genotoxicity in vitro : 1	Fest Type: Bacteri Result: negative	al reverse mutation assay (AMES)
	Fest Type: In vitro Result: negative	mammalian cell gene mutation test
	Fest Type: Chrome Result: negative	osome aberration test in vitro
		enicity (in vivo mammalian bone-marrow hromosomal analysis) Ingestion
Moxidectin:		
Genotoxicity in vitro : 7	Fest Type: Bacteri Result: negative	al reverse mutation assay (AMES)
T		mammalian cell gene mutation test ese hamster ovary cells
	Fest Type: in vitro Fest system: Esch Result: negative	
	Fest Type: Chromo Species: Rat Cell type: Bone ma Result: negative	osomal aberration arrow
r S	Fest Type: Unsche nammalian liver c Species: Rat Cell type: Liver cel Result: negative	
II Carcinogenicity		
Not classified based on available in	tormation.	
<u>Components:</u>		
Cellulose:		
Application Route : I	Rat ngestion 72 weeks	



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Resu	lt	:	negative	
Flura	laner:			
Carci ment	nogenicity - Assess-	:	No data available)
Magn	esium Aluminometas	ilica	te:	
Speci		:	Rat	
Applic	cation Route	:	Ingestion	
Expos	cation Route sure time	:	103 weeks	
Resu		:	negative	
Rema	arks	:	Based on data fro	om similar materials
Sodiu	um n-dodecyl sulfate:			
Speci	=	•	Rat	
	cation Route	÷	Ingestion	
	sure time	:	2 Years	
Metho		:	OECD Test Guid	eline 453
Resu		:	negative	
Rema	arks	:	Based on data fro	om similar materials
2,6-D	i-tert-butyl-p-cresol:			
Speci		:	Rat	
Applic	cation Route	:	Ingestion	
Expo	sure time	:	22 Months	
Resu	lt	:	negative	
Moxi	dectin:			
Speci			Mouse	
	cation Route		Oral	
	sure time	÷	2 Years	
NOAE		:	4,5 mg/kg body v	veight
Resu	lt	:	negative	-
Speci	ies	:	Rat	
Applic	cation Route sure time	:	Oral	
Expos	sure time	:	2 Years	
NÓAE		:	4,5 mg/kg body v	veight
Resu	lt	:	negative	
Speci	ies	:	Dog	
Applic	cation Route	:	Oral	
Expos	sure time	:	1 Years	
NOAE		:	0,5 mg/kg body v	veight
Resu	IT	:	negative	
Repr	oductive toxicity			

Reproductive toxicity

Suspected of damaging the unborn child.



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<u>Comp</u>	onents:					
Cellul	ose:					
Effects on fertility		:	: Test Type: One-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: negative			
Effects on fetal development			Test Type: Fer Species: Rat Application Rou Result: negativ			
	ethylenebis[3-hydroxy /I-2-[2-(2-thienyl)vinyl]			l, compound with (E)-1,4,5,6-tetrahydro-1		
Effects on fetal development		:	 Test Type: Embryo-fetal development Species: Rat Application Route: Oral Developmental Toxicity: NOAEL: 3.000 mg/kg body we Result: No effects on fertility and early embryonic deve ment were detected. Test Type: Embryo-fetal development Species: Rabbit Application Route: Oral Developmental Toxicity: NOAEL: 1.000 mg/kg body we Result: No effects on fertility and early embryonic deve 			
Flural	aner.		ment were dete	ected.		
	aner: s on fertility	:	Species: Rat Application Rod General Toxicit General Toxicit	y Parent: NOAEL: 50 mg/kg body weight y F1: LOAEL: 100 mg/kg body weight cts on fertility., Postimplantation loss., Adve		
			Species: Dog Application Rod Fertility: NOAE Result: No effe ment were dete	L: 75 mg/kg body weight cts on fertility and early embryonic develop-		
Effects	s on fetal development	:	Result: Embryo			



teratogenic effects. Test Type: Development Species: Rabbit Application Route: Oral Development1 Toxicity: NOAEL: 10 mg/kg body weight Result: Skeletal malformations., Viscoral malformations. Remarks: Matemal toxicity observed. Test Type: Development Species: Rabbit Application Route: Dermal Development1 Toxicity: NOAEL: 100 mg/kg body weight Reproductive toxicity - As- Effects on fetal development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials Sodium n-dodecyl sulfate: Effects on fertility Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Method: OCC Test Guideline 416 Result: negative Remarks: Based on data from similar materials Effects on fetal development Species: Rat Application Route: Ingestion Method: OCC Test Guideline 416 Result: negative Remarks: Based on data from similar materials Effects on fetal development Species:	Version 3.0	Revision Date: 06.07.2024	SDS Number 7900796-000	
Species: Rabbit Application Route: Oral Developmental Toxicity: NOAEL: 10 mg/kg body weight Result: Skeletal malformations., Visceral malformations., Remarks: Maternal toxicity observed. Test Type: Development Species: Rabbit Application Route: Dermal Developmental Toxicity: NOAEL: 100 mg/kg body weight Result: Skeletal malformations. Reproductive toxicity - As- result: Result: Reproductive toxicity - Ks- result: negative Remarks: Based on data from similar materials Sodium n-dodecyl sulfate: Effects on fertility : Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Method: OECD Test Guideline 416 Result: negative Remarks: Based on data from similar materials Effects on fertal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials Effects on fetal development : Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: negative Effects on fertility : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result			teratogen	ic effects.
Species: Rabit Application Route: Dermal Developmental Toxicity: NOAEL: 100 mg/kg body weight Result: Skeletal malformations. Reproductive toxicity - As- sessment Magnesium Aluminometasilicate: Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials Sodium n-dodecyl sulfate: Effects on fertility : Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials Effects on fertility : Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Method: OECD Test Guideline 416 Result: negative Remarks: Based on data from similar materials Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials 2.6-Di-tert-butyl-p-cresol: Effects on fertility : Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: negative Effects on fertility : Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: negative Effects on fertility : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative			Species: I Applicatio Developm Result: Sl	Rabbit n Route: Oral pental Toxicity: NOAEL: 10 mg/kg body weight keletal malformations., Visceral malformations.
sessment Magnesium Aluminometasilicate: Effects on fetal development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials Sodium n-dodecyl sulfate: Effects on fertility : Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Method: OECD Test Guideline 416 Result: negative Remarks: Based on data from similar materials Effects on fetal development Species: Rat Application Route: Ingestion Method: OECD Test Guideline 416 Result: negative Remarks: Based on data from similar materials Effects on fetal development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials 2.6-Di-tert-butyl-p-cresol: Effects on fettility : Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: negative Effects on fetal development Species: Rat </td <td></td> <td></td> <td>Species: I Applicatio Developm</td> <td>Rabbit n Route: Dermal iental Toxicity: NOAEL: 100 mg/kg body weight</td>			Species: I Applicatio Developm	Rabbit n Route: Dermal iental Toxicity: NOAEL: 100 mg/kg body weight
Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials Sodium n-dodecyl sulfate: Effects on fertility Effects on fertility : Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Method: OECD Test Guideline 416 Result: negative Remarks: Based on data from similar materials Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials 2,6-Di-tert-butyl-p-cresol: : Effects on fertility : Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: negative Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Re		•	: Suspecte	d of damaging the unborn child.
Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials Sodium n-dodecyl sulfate: Effects on fertility : Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Method: OECD Test Guideline 416 Result: negative Remarks: Based on data from similar materials Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials 2,6-Di-tert-butyl-p-cresol: : Effects on fetal development : Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: negative Effects on fettility : : Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: negative Effects on fettal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Moxidectin: :	Mag	nesium Aluminometasi	licate:	
Effects on fertility : Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Method: OECD Test Guideline 416 Result: negative Remarks: Based on data from similar materials Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials 2,6-Di-tert-butyl-p-cresol: : Effects on fetal development : Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials 2,6-Di-tert-butyl-p-cresol: : Effects on fertility : Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: negative Effects on fertility : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Effects : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Moxidectin: :	Effec	ets on fetal development	Species: I Applicatio Result: ne	Rat n Route: Ingestion gative
Effects on fertility : Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Method: OECD Test Guideline 416 Result: negative Remarks: Based on data from similar materials Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials 2,6-Di-tert-butyl-p-cresol: : Effects on fetal development : Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials 2,6-Di-tert-butyl-p-cresol: : Effects on fertility : Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: negative Effects on fertility : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Effects : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Moxidectin: :	Sodi	um n-dodecvl sulfate:		
Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials 2,6-Di-tert-butyl-p-cresol: Effects on fertility : Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: negative Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Moxidectin: : Moxidectin:		-	Species: I Applicatio Method: C Result: ne	Rat n Route: Ingestion DECD Test Guideline 416 gative
Effects on fertility : Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: negative Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Moxidectin: Moxidectin:	Effec	ets on fetal development	Species: I Applicatio Result: ne	Rat n Route: Ingestion gative
Effects on fertility : Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: negative Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Moxidectin: Moxidectin:	2.6-[Di-tert-butvl-p-cresol:		
Species: Rat Application Route: Ingestion Result: negative Moxidectin:		•••	Species: I Applicatio	Rat n Route: Ingestion
	Effec	ets on fetal development	Species: Applicatio	Rat n Route: Ingestion
	Movi	idectin:		
			: Test Type	: Two-generation reproduction toxicity study



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		General T Symptom Result: No	Rat n Route: Oral oxicity F1: LOAEL: 0,8 mg/kg body weight s: Reduced fetal weight., Fetal mortality. o effects on fertility., Some evidence of adverse ef- evelopment, based on animal experiments.
		Species: Applicatio General T Symptom Result: N	: Three-generation reproduction toxicity study Rat n Route: Oral oxicity F1: LOAEL: 0,8 mg/kg body weight s: Reduced fetal weight., Fetal mortality. o effects on fertility., Some evidence of adverse ef- evelopment, based on animal experiments.
Effect	s on fetal development	Species: Applicatio General T Embryo-fe Result: Sl	: Embryo-fetal development Rat n Route: Oral oxicity Maternal: LOAEL: 10 mg/kg body weight etal toxicity.: LOAEL: 10 mg/kg body weight eletal malformations. The effects were seen only at maternally toxic dos-
		Species: Applicatio General T Developm	: Embryo-fetal development Rabbit n Route: Oral oxicity Maternal: LOAEL: 5 mg/kg body weight ental Toxicity: NOAEL: 10 mg/kg body weight o teratogenic effects., No embryotoxic effects.
Repro sessn	oductive toxicity - As- nent		dence of adverse effects on development, based on periments.
	-single exposure assified based on availa	ble information	

STOT-repeated exposure

Not classified based on available information.

Components:

2,6-Di-tert-butyl-p-cresol:

Assessment	:	No significant health effects observed in animals at concentra- tions of 100 mg/kg bw or less.
Moxidectin: Target Organs Assessment		Central nervous system Causes damage to organs through prolonged or repeated exposure.



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Repea	ated dose toxicity		
<u>Comp</u>	onents:		
Cellul	ose:		
		: Rat : >= 9.000 mg/kg : Ingestion : 90 Days	
	lethylenebis[3-hydrox /l-2-[2-(2-thienyl)vinyl		compound with (E)-1,4,5,6-tetrahydro-1-
Specie NOAE LOAE Applic	es EL Lation Route sure time	: Dog : 10 mg/kg : 30 mg/kg : Ingestion : 3 d	verse effects were reported
	EL ation Route sure time	: Dog : 600 mg/kg : Oral : 19 d : No significant ad	verse effects were reported
	EL ation Route sure time	: Dog : 600 mg/kg : Oral : 30 d : No significant ad	verse effects were reported
	EL ation Route sure time	: Dog : 600 mg/kg : Oral : 90 d : No significant ad	verse effects were reported
Expos	es EL ation Route sure time t Organs	: Dog : 1 mg/kg : Oral : 52 Weeks : Liver : No significant ad	verse effects were reported
Specie LOAE Applic Expos Sympt	L ation Route sure time toms	: Juvenile dog : 56 - 280 mg/kg : Oral : 24 Weeks : Diarrhea : Rat	



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Expos	ation Route ure time Organs	::	400 mg/kg Oral 90 Days Liver, thymus glar	nd
Expos	L ation Route ure time Organs		Rat 500 mg/kg Dermal 90 Days Liver No significant adv	verse effects were reported
Specie Applica	ation Route	ilica : :	Rat >= 1000 mg/kg Ingestion	
Sodiu Specie NOAE Applica Expose	L ation Route ure time	:	100 Days Rat 488 mg/kg Ingestion 90 Days	
Specie NOAE	tert-butyl-p-cresol:	:	Rat 25 mg/kg Ingestion	om similar materials
	ure time ectin:	:	22 Months Mouse	
NOAE LOAEL Applica	L - ation Route ure time		3,9 mg/kg 15,4 mg/kg Oral 4 Weeks Tremors	
Expos	L - ation Route ure time Organs	:	Rat 3,9 mg/kg 7,9 mg/kg Oral 13 Weeks Central nervous s Tremors, Salivatio	
Specie NOAE LOAEL Applica	L	:	Dog 0,3 mg/kg 0,9 mg/kg Oral	



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Expos Targe Symp	sure time et Organs toms	 90 Days Central nervous system Tremors, Lachrymation, Salivation
Species NOAEL Application Route Exposure time Target Organs Symptoms		 Dog 1,15 mg/kg Oral 52 Weeks Central nervous system Tremors, Lachrymation
-	ation toxicity lassified based on ava	ilable information.
<u>Comp</u>	oonents:	
Not a	laner: pplicable rience with human e <u>ponents:</u>	posure
	/lethylenebis[3-hydro yl-2-[2-(2-thienyl)ving	xy-2-naphthoic] acid, compound with (E)-1,4,5,6-tetrahydro-1- l]pyrimidine (1:1):
Inges		: Symptoms: Abdominal pain, Nausea, Vomiting, Diarrhea, Headache, Dizziness, Fever
Flura	laner:	
	contact	: Remarks: May irritate skin.
Eye c		: Remarks: May cause eye irritation.
	dectin:	
Inhala Skin d	contact	 Remarks: No human information is available. Remarks: No human information is available.
	ontact	: Remarks: No human information is available.
Inges		: Remarks: No human information is available.
SECTION	12. ECOLOGICAL IN	FORMATION
Ecoto	oxicity	
<u>Com</u>	oonents:	

Cellulose:

Toxicity to fish	 LC50 (Oryzias latipes (Japanese medaka)): > 100 mg/l Exposure time: 48 h Remarks: Based on data from similar materials
------------------	---



ersion .0	Revision Date: 06.07.2024		0S Number: 00796-00011	Date of last issue: 13.04.2024 Date of first issue: 17.03.2021	
	lethylenebis[3-hydroxy yl-2-[2-(2-thienyl)vinyl]			ompound with (E)-1,4,5,6-tetrahydro-1-	
Ecoto	oxicology Assessment				
Acute	aquatic toxicity	:	Toxic effects can	not be excluded	
Chror	Chronic aquatic toxicity		Toxic effects can	not be excluded	
Flura	laner:				
Toxici	ty to fish	:	Exposure time: 96 Method: OECD T		
	ty to daphnia and other ic invertebrates	:	Exposure time: 48 Method: OECD T		
Toxici plants	ty to algae/aquatic	:	NOEC (Pseudokirchneriella subcapitata (green algae)): >= 0,08 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility.		
Toxici icity)	ty to fish (Chronic tox-	:	NOEC (Zebrafish Exposure time: 2 ⁻ Method: OECD T Remarks: No toxi	ld	
	ty to daphnia and other ic invertebrates (Chron- city)	:	NOEC (Daphnia r Exposure time: 2 [/] Method: OECD T		
M-Fac toxicit	ctor (Chronic aquatic y)	:	1.000		
Magn	esium Aluminometasil	ica	te:		
Ecoto	oxicology Assessment				
Chror	nic aquatic toxicity	:	No toxicity at the	limit of solubility.	
Sodiu	Im n-dodecyl sulfate:				
Toxici	ty to fish	:	LC50 (Pimephale Exposure time: 96	s promelas (fathead minnow)): 29 mg/l 5 h	
	ty to daphnia and other ic invertebrates	:	EC50 (Ceriodaph Exposure time: 48	nia dubia (water flea)): 5,55 mg/l 3 h	
Toxici plants	ity to algae/aquatic	:	ErC50 (Desmode Exposure time: 72	smus subspicatus (green algae)): > 120 mg 2 h	
			NOEC (Desmode	smus subspicatus (green algae)): 30 mg/l	



Vers 3.0	ion	Revision Date: 06.07.2024		9S Number: 00796-00011	Date of last issue: 13.04.2024 Date of first issue: 17.03.2021
				Exposure time: 72	? h
	Toxicity icity)	y to fish (Chronic tox-	:	NOEC (Pimephale mg/l Exposure time: 42	es promelas (fathead minnow)): >= 1,357 2 d
	aquatio	invertebrates (Chron-		NOEC (Ceriodaph Exposure time: 7	nnia dubia (water flea)): 0,88 mg/l d
	ic toxic Toxicit <u>y</u>	y to microorganisms	:	EC50: 135 mg/l Exposure time: 3	h
••	2,6-Di-	tert-butyl-p-cresol:			
	Toxicity	y to fish	:	Exposure time: 96	(zebra fish)): > 0,57 mg/l 3 h 67/548/EEC, Annex V, C.1.
		y to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
	Toxicit <u>y</u> plants	y to algae/aquatic	:	ErC50 (Pseudokir mg/l Exposure time: 72 Method: OECD Te	
				NOEC (Pseudokir mg/l Exposure time: 72 Method: OECD Te	
		or (Acute aquatic tox-	:	1	
	icity) Toxicit <u>y</u> icity)	y to fish (Chronic tox-	:	NOEC (Oryzias la Exposure time: 30 Method: OECD Te	
		y to daphnia and other invertebrates (Chron-	:	NOEC (Daphnia r Exposure time: 21	nagna (Water flea)): 0,316 mg/l d
	M-Fact	or (Chronic aquatic	:	1	
	toxicity Toxicity) y to microorganisms	:	EC50: > 10.000 m Exposure time: 3 Method: OECD Te	ĥ
	Moxid	ectin:			
	Toxicity	y to fish	:	LC50 (Lepomis m Exposure time: 96 Method: OECD Te	
				LC50 (Oncorhync	hus mykiss (rainbow trout)): 0,0002 mg/l



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			Exposure time: 96 Method: OECD T	
	ity to daphnia and other ic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD T	
Toxic plants	ity to algae/aquatic	:	EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD T	
M-Fao icity)	ctor (Acute aquatic tox-	:	10.000	
	ctor (Chronic aquatic ty)	:	10.000	
	stence and degradabil	ity		
Com	oonents:			
Cellu	lose:			
Biode	gradability	:	Result: Readily bi	odegradable.
Sodiu	um n-dodecyl sulfate:			
Biode	gradability	:	Result: Readily bi Biodegradation: 9 Exposure time: 28 Method: OECD T	95 %
2,6-D	i-tert-butyl-p-cresol:			
Biode	gradability	:	Result: Not readil Biodegradation: 4 Exposure time: 28 Method: OECD T	4,5 %
Bioad	ccumulative potential			
Com	oonents:			
Flura	laner:			
Bioac	cumulation	:	Species: Zebrafis Bioconcentration Method: OECD T	factor (BCF): 79,4
	ion coefficient: n- ol/water	:	log Pow: 4,5	
Sodiu	um n-dodecyl sulfate:			
	ion coefficient: n- ol/water	:	log Pow: 0,83	
2,6-D	i-tert-butyl-p-cresol:			

Proper shipping name

Class

Packing group



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E	Bioaccumulation		Species: Cyprinu Bioconcentration	s carpio (Carp) factor (BCF): 330 - 1.800	
	Partition coefficient: n- octanol/water		log Pow: 5,1		
Ν	loxidectin:				
	Partition coefficient: n- octanol/water		log Pow: 4,7		
Ν	lobility in soil				
<u>c</u>	Components:				
F	luralaner:				
	Distribution among environ- nental compartments	:	log Koc: 4,1		
C	Other adverse effects				
<u>c</u>	Components:				
F	luralaner:				
	Results of PBT and vPvB assessment	:	Substance is not	persistent, bioaccumulative, and toxic (PBT).	
SECT	SECTION 13. DISPOSAL CONSIDERATIONS				
	Disposal methods				
V	Vaste from residues	:		waste into sewer. ordance with local regulations.	
C	Contaminated packaging	:	 Empty containers should be taken to an approved was handling site for recycling or disposal. If not otherwise specified: Dispose of as unused produ 		
SECT	ION 14. TRANSPORT INFO	RM	ATION		
li	nternational Regulations				
ι	JNRTDG				
	JN number		UN 3077		
F	Proper shipping name	:	ENVIRONMENT/ N.O.S. (Fluralaner, Mox	ALLY HAZARDOUS SUBSTANCE, SOLID,	
	Class	:	9		
	Packing group	: 111			
Labels : 9					
	Environmentally hazardous	s : yes			
	ATA-DGR JN/ID No.		UN 3077		
-		:		a-ardava avhatanaa aalid a a a	

: Environmentally hazardous substance, solid, n.o.s.



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	els king instruction (cargo raft)	: Miscel : 956	aneous	
ger	king instruction (passen- aircraft) ironmentally hazardous	: 956 : yes		
UN)G-Code number per shipping name	N.O.S.	ONMENT	ALLY HAZARDOUS SUBSTANCE, SOLID,
Lab Em	king group	: 9 : III : 9 : F-A, S : yes		,

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/legimixture	islation specific for the substance or
Argentina Carcinogenic Substances and Agents	· Not applicable

Registry.	:	Not applicable
Control of precursors and essential chemicals for the preparation of drugs.	:	Not applicable

The ingredients of this product are reported in the following inventories:

AICS	:	not determined
DSL	:	not determined
IECSC	:	not determined

SECTION 16. OTHER INFORMATION

Revision Date	:	06.07.2024
Date format	:	dd.mm.yyyy

Further information

Sources of key data used to	:	Internal technical data, data from raw material SDSs, OECD
compile the Material Safety		eChem Portal search results and European Chemicals Agen-



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Data Sheet 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.

Full text of other abbreviations

ACGIH AR OEL	USA. ACGIH Threshold Limit Values (TLV) Argentina. Occupational Exposure Limits
ACGIH / TWA AR OEL / CMP	8-hour, time-weighted average TLV (Threshold Limit Value)

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 - 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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AR / Z8