This SDS packet was issued with item: 078933345

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078933102 078933346



## Flunixin Liquid Formulation

/ersion .1	Revision Date: 10.10.2020		nber: 00014	
ECTION	1. PRODUCT AND C	OMPANY ID	ENTIFICA	TION
Produ	ıct name	: Fluni	xin Liquid	Formulation
Manu	facturer or supplier	s details		
Comp	bany	: MSD	)	
Addre	ess			ento Soares, 530 Paulo - Brazil CEP 12730-340
Telep	hone	: 908-	740-4000	
Emer	gency telephone	: 1-908	8-423-600	0
E-ma	il address	: EHS	DATASTE	WARD@msd.com
Telefa	ах	: 908-	735-1496	
Reco	mmended use of the	e chemical a	nd restric	tions on use
Reco	mmended use	: Vete	rinary proo	duct
	2. HAZARDS IDENT			IBR 14725 Standard

Acute toxicity (Oral)	:	Category 4
Acute toxicity (Inhalation)	:	Category 3
Serious eye damage	:	Category 1
Reproductive toxicity	:	Category 1B
Specific target organ toxicity - repeated exposure	:	Category 2 (Gastrointestinal tract, Kidney, Blood)
Short-term (acute) aquatic hazard	:	Category 3
Long-term (chronic) aquatic hazard	:	Category 3

### GHS label elements in accordance with ABNT NBR 14725 Standard

Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	H302 Harmful if swallowed.



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Proc	utionary Statements	H331 Toxic if H360FD May H373 May ca Kidney, Blood	serious eye damage. inhaled. damage fertility. May damage the unborn child. use damage to organs (Gastrointestinal tract, I) through prolonged or repeated exposure. I to aquatic life with long lasting effects.
Preca	autionary Statements	P273 Avoid re	special instructions before use. elease to the environment. rotective gloves/ protective clothing/ eye protec- ection.
		and keep com doctor. P305 + P351 water for seve and easy to d CENTER/ doo	<ul> <li>+ P311 IF INHALED: Remove person to fresh air nfortable for breathing. Call a POISON CENTER/</li> <li>+ P338 + P310 IF IN EYES: Rinse cautiously with eral minutes. Remove contact lenses, if present o. Continue rinsing. Immediately call a POISON otor.</li> <li>IF exposed or concerned: Get medical advice/</li> </ul>

### Other hazards which do not result in classification

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components			
Chemical name	CAS-No.	Classification	Concentration (% w/w)
L-menthol	2216-51-5	Acute toxicity (Inhala- tion), Category 5 Skin irritation, Category 2 Eye irritation, Category 2B Short-term (acute) aquatic hazard, Category 3	>= 10 -< 20
2-Pyrrolidone	616-45-5	Eye irritation, Category 2B Reproductive toxicity, Category 1B	>= 10 -< 20
1-Deoxy-1-(methylamino)-D- glucitol 2-[2-methyl-3- (perfluorome- thyl)anilino]nicotinate	42461-84-7	Acute toxicity (Oral), Category 3 Acute toxicity (Inhala- tion), Category 2 Serious eye damage, Category 1	>= 5 -< 10



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			Specific target organ toxicity - single expo- sure, Category 3 Specific target organ toxicity - repeated exposure (Gastroin- testinal tract, Kidney, Blood), Category 1 Short-term (acute) aquatic hazard, Category 2 Long-term (chronic) aquatic hazard, Category 2	

### 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. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	• •
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	:	Harmful if swallowed. Causes serious eye damage. Toxic if inhaled. May damage fertility. May damage the unborn child.
Protection of first-aiders	:	May cause damage to organs through prolonged or repeated exposure. First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
Notes to physician	:	Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES



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Suita	ble extinguishing media	:	Water spray Alcohol-resistar Carbon dioxide Dry chemical	
Unsu medi	itable extinguishing a	:	None known.	
•	Specific hazards during fire fighting		Exposure to cor	mbustion products may be a hazard to health.
Haza ucts	Hazardous combustion prod-		Carbon oxides Fluorine compo Nitrogen oxides	
Spec ods	ific extinguishing meth-	:	cumstances and Use water spray	ng measures that are appropriate to local cir- d the surrounding environment. y to cool unopened containers. aged containers from fire area if it is safe to do
	ial protective equipment re-fighters	:		ire, wear self-contained breathing apparatus. otective equipment.

#### ECTION 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. Prevent spreading over a wide area (e.g., by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or 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



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A	dvice on safe handling	Handle in accorda practice, based or assessment Keep container tig Do not eat, drink o	ist or vapors. s. ghly after handling. ance with good industrial hygiene and safety n the results of the workplace exposure
Н	ygiene measures	flushing systems a place. When using do no Wash contaminat The effective ope engineering contr appropriate degov	emical is likely during typical use, provide eye and safety showers close to the working of eat, drink or smoke. ed clothing before re-use. ration of a facility should include review of ols, proper personal protective equipment, whing and decontamination procedures, monitoring, medical surveillance and the tive controls
С	onditions for safe storage	: Keep in properly l Store locked up. Keep tightly close Keep in a cool, we	abeled containers.
Μ	aterials to avoid		the following product types: 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
1-Deoxy-1-(methylamino)-D- glucitol 2-[2-methyl-3- (perfluorome- thyl)anilino]nicotinate	42461-84-7	TWA	40 µg/m3 (OEB 3)	Internal
		Wipe limit	400 µg/100 cm <sup>2</sup>	Internal

 Engineering measures
 : Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., dripless quick connections).

 All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment.

 Containment technologies suitable for controlling compounds



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		the c conta		,	
Perso	onal protective equipn	nent			
Respiratory protection Filter type Hand protection		expo reco	If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection. Combined particulates and organic vapor type		
Ma	Material		Chemical-resistant gloves		
Eye p	emarks protection and body protection	: Wea If the mists Wea pote aero : Work Addi task dispo	work enviro or aerosols r a faceshield ntial for direc sols. c uniform or l tional body g being perforr osable suits)	ses with side shields or goggles. Inment or activity involves dusty conditions, wear the appropriate goggles. If or other full face protection if there is a t contact to the face with dusts, mists, or aboratory coat. arments should be used based upon the ned (e.g., sleevelets, apron, gauntlets, to avoid exposed skin surfaces. legowning techniques to remove potentially	

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	red
Odor	:	amine-like
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	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available



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	Lower explosion limit / Lower flammability limit		:	No data available	
	Vapor p	pressure	:	No data available	
	Relative	e vapor density	:	No data available	)
	Relative	e density	:	No data available	9
	Density	,	:	No data available	9
	Solubili Wat	ty(ies) er solubility	:	No data available	
	Partition octanol	n coefficient: n-	:	Not applicable	
		ition temperature	:	No data available	)
	Decom	position temperature	:	No data available	)
	Viscosi <sup>.</sup> Visc	ty osity, kinematic	:	No data available	•
	Explosi	ve properties	:	Not explosive	
		ng properties	:		r mixture is not classified as oxidizing.
	Particle	size	:	Not applicable	

### SECTION 10. STABILITY AND REACTIVITY

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

### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of : exposure	Inhalation Skin contact Ingestion Eye contact
<b>Acute toxicity</b> Harmful if swallowed. Toxic if inhaled.	
Product: Acute oral toxicity :	Acute toxicity estimate: 638,55 mg/kg



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			Method: Calculati	on method			
Acute	Acute inhalation toxicity		: Acute toxicity estimate: 0,6012 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method				
<u>Com</u>	ponents:						
L-me	nthol:						
Acute	Acute inhalation toxicity :		LC50 (Rat): 5,289 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403				
Acute	Acute dermal toxicity		LD50 (Rabbit): > 5.000 mg/kg Method: OECD Test Guideline 402				
2-Pyi	rolidone:						
-	e oral toxicity	:	LD50 (Rat): > 2.0 Method: OECD To Assessment: The icity				
Acute	Acute dermal toxicity		LD50 (Rabbit): > 2 Method: OECD To Assessment: The toxicity				
	oxy-1-(methylamino)-D- e oral toxicity	-glu :	<b>icitol 2-[2-methyl-</b> 3 LD50 (Rat): 53 - 1	<b>3-(perfluoromethyl)anilino]nicotinate:</b> I57 mg/kg			
			LD50 (Mouse): 17	76 - 249 mg/kg			
			LD50 (Guinea pig	): 488,3 mg/kg			
			LD50 (Monkey): 3	300 mg/kg			
Acute	e inhalation toxicity	:	LC50 (Rat): < 0,5 Exposure time: 4 Test atmosphere:	h			
	e toxicity (other routes of nistration)	:	LD50 (Rat): 59,4 Application Route				
			LD50 (Mouse): 16 Application Route				

### Skin corrosion/irritation

Not classified based on available information.



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<u>Com</u>	oonents:					
L-me	nthol:					
Speci		: Rabbit				
Metho		: OECD Test Gu	ideline 404			
Resul	t	: Skin irritation				
2-Pyr	rolidone:					
Speci	es	: Rabbit				
Metho		: OECD Test Gu				
Resul	t	: No skin irritatio	n			
1-Dec	oxy-1-(methylamino)	-D-glucitol 2-[2-methy	yl-3-(perfluoromethyl)anilino]nicotinate:			
Speci	es	: Rabbit				
Resul	t	: Mild skin irritati	on			
Serio	us eye damage/eye	irritation				
Cause	es serious eye damaç	ge.				
<u>Com</u> p	oonents:					
L-me	nthol:					
Speci		: Rabbit				
Result		: Irritation to eyes, reversing within 7 days : OECD Test Guideline 405				
Metho	bd	: OECD Test Gu	Ideline 405			
2-Pyr	rolidone:					
Speci		: Rabbit				
Result		: Irritation to eye	: Irritation to eyes, reversing within 7 days			
1-Dec	oxy-1-(methylamino)	-D-glucitol 2-[2-methy	yl-3-(perfluoromethyl)anilino]nicotinate:			
Speci		: Rabbit				
Resul	lt	: Irreversible effe	ects on the eye			
Resp	iratory or skin sensi	itization				
Skin	sensitization					
	assified based on av					
-	iratory sensitization					
	assified based on ava	ailable information.				
	oonents:					
L-me	nthol:					
Test			de assay (LLNA)			
	es of exposure	: Skin contact				
Speci		: Mouse	ideline 120			
Metho		: OECD Test Gu				

: negative

Result



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2-Pyr	rolidone:						
Test Route Speci Metho Resu Resu	es of exposure es od t	: Skin contact : Mouse : OECD Test ( : negative	: OECD Test Guideline 429				
1-Dec	oxv-1-(methylamino)	-D-alucitol 2-[2-me	thyl-3-(perfluoromethyl)anilino]nicotinate:				
Test <sup>-</sup> Route Speci	Гуре es of exposure es ssment	: Maximizatior : Dermal : Guinea pig					
Not c	a <b>cell mutagenicity</b> assified based on ava	ailable information.					
	oonents:						
	nthol: toxicity in vitro	Result: nega	chromosome aberration test in vitro tive ased on data from similar materials				
Geno	toxicity in vivo	cytogenetic a Species: Mo Application F Method: OE0 Result: nega	use Route: Intraperitoneal injection CD Test Guideline 474				
2-Pvr	rolidone:						
-	toxicity in vitro	: Test Type: B Result: nega	acterial reverse mutation assay (AMES) tive				
		Method: OE( Result: nega	n vitro mammalian cell gene mutation test CD Test Guideline 476 tive ased on data from similar materials				
			Chromosome aberration test in vitro CD Test Guideline 473 tive				
Geno	toxicity in vivo	cytogenetic a Species: Mo Application F	use Route: Intraperitoneal injection CD Test Guideline 474				



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1-Dec	oxy-1-(methylamino)	D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate:			
Geno	toxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Result: negative			
		Test Type: in vitro test Test system: mouse lymphoma cells Result: positive			
Test Type: Chromosomal aberration Test system: Chinese hamster ovary cells Result: positive					
		Test Type: in vitro test Test system: Escherichia coli Result: positive			
Geno	toxicity in vivo	: Test Type: Micronucleus test Species: Mouse Application Route: Oral Result: negative			
	cell mutagenicity - ssment	: Weight of evidence does not support classification as a gern cell mutagen.			
Not c	nogenicity lassified based on ava <u>conents:</u>	able information.			
L-me	nthol:				
	cation Route sure time od t	<ul> <li>Mouse</li> <li>Ingestion</li> <li>103 weeks</li> <li>OECD Test Guideline 453</li> <li>negative</li> <li>Based on data from similar materials</li> </ul>			
2-Dvr	rolidone:				
Speci Applic	cation Route sure time It	<ul> <li>Mouse</li> <li>Ingestion</li> <li>18 month(s)</li> <li>negative</li> <li>Based on data from similar materials</li> </ul>			
1-Dec	oxy-1-(methylamino)	D-glucitol 2-[2-methyl-3-(perfluoromethyl)anilino]nicotinate:			
Speci		: Rat			
	cation Route	: oral (feed)			
	sure time	: 104 w			
LOAE		: 2 mg/kg body weight			
	Result : negative				
l arge Rema	et Organs arks	ans : Gastrointestinal tract : Significant toxicity observed in testing			
		. Ogninoant toxicity observed in testing			



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	Species:Application Route:Exposure time:NOAEL:Result:Target Organs:Remarks:			Mouse oral (feed) 97 w 0,6 mg/kg body weight negative Gastrointestinal tract Significant toxicity observed in testing				
	-	<b>uctive toxicity</b> nage fertility. May dar	nag	e the unborn child.				
	Compor	nents:						
	L-menth	ol:						
	Effects o	n fetal development	:	Test Type: Embry Species: Rat Application Route Result: negative	o-fetal development : Ingestion			
	2-Pyrrol	idone:						
	-	n fertility	:	Species: Rat Application Route Result: positive	eneration reproduction toxicity study : Ingestion on data from similar materials			
	Effects o	n fetal development	:	Test Type: Embry Species: Rat Application Route Result: positive	ro-fetal development : Ingestion			
	Reprodu sessmer	ctive toxicity - As- It	:	fertility, based on	adverse effects on sexual function and animal experiments., Clear evidence of n development, based on animal			
	1-Deoxy	-1-(methylamino)-D	-alu	citol 2-[2-methyl-:	3-(perfluoromethyl)anilino]nicotinate:			
	-	n fertility		Test Type: Two-g Species: Rat Application Route General Toxicity F Symptoms: No fet	eneration reproduction toxicity study : Oral Parent: LOAEL: 1 - 1,5 mg/kg body weight tal abnormalities. o n fertility and early embryonic			
	Effects o	n fetal development	:	Embryo-fetal toxic Result: Embryoto				



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		Species: Rabbi Application Rou General Toxicit Embryo-fetal to Result: Embryo	
	-single exposure assified based on avail	able information.	
Comp	oonents:		
1-Dec	oxy-1-(methylamino)-I	D-glucitol 2-[2-methy	/l-3-(perfluoromethyl)anilino]nicotinate:
Asses	sment	: May cause resp	piratory irritation.
May c	<b>-repeated exposure</b> ause damage to organ d exposure.	s (Gastrointestinal tra	ict, Kidney, Blood) through prolonged or re-
<u>Comp</u>	oonents:		
Targe	<b>oxy-1-(methylamino)-I</b> t Organs ssment	: Gastrointestina	<b>/I-3-(perfluoromethyl)anilino]nicotinate:</b> I tract, Kidney, Blood e to organs through prolonged or repeated
Repea	ated dose toxicity		
Comp	oonents:		
L-mei	nthol:		
	EL cation Route sure time od	: Mouse : 1.250 mg/kg : Ingestion : 91 Days : OECD Test Gu : Based on data	ideline 408 from similar materials
2-Pyr	rolidone:		
Specie NOAE Applic	es EL cation Route sure time	: Rat : 207 mg/kg : Ingestion : 3 Months : OECD Test Gu	ideline 408
1-Dec	oxy-1-(methylamino)-I	D-glucitol 2-12-methy	/l-3-(perfluoromethyl)anilino]nicotinate:
Specie NOAE LOAE Applic Expos	es EL	: Rat : 2 mg/kg : < 4 mg/kg : Oral : 6 w : Gastrointestina	



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Species NOAEL Application Route Exposure time Target Organs Species		: Rat : 1 mg/kg : Oral : 1 y : Gastrointestina : Monkey	1 mg/kg Oral 1 y Gastrointestinal tract, Kidney Monkey			
Expo	EL cation Route sure time et Organs	: Oral : 90 d	-			
Expo		: Rabbit : 80 mg/kg : Dermal : 21 d : Severe irritatio	n			
Expo Targe		: Dog : 11 mg/kg : Oral : 9 d : Gastrointestina : Vomiting	al tract			
-	r <b>ation toxicity</b> lassified based on ava	ilable information.				
Expe	Experience with human exposure					

### Components:

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

Inhalation	:	Symptoms: respiratory tract irritation
Skin contact	:	Symptoms: Skin irritation
Eye contact	:	Symptoms: Severe irritation
Ingestion	:	Symptoms: Gastrointestinal disturbance, bleeding, hypertension, Kidney disorders

### SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity
-------------

|--|

L-men	thol:

Toxicity to fish	:	LC50 (Danio rerio (zebra fish)): 15,6 mg/l Exposure time: 96 h Method: Directive 67/548/EEC, Annex V, C.1.
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 26,6 mg/l Exposure time: 48 h Method: Directive 67/548/EEC, Annex V, C.2.



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Toxici plants	ity to algae/aquatic	:	Exposure time: 72	mus subspicatus (green algae)): 21,4 mg/l 2 h 67/548/EEC, Annex V, C.3.
			Exposure time: 72	smus subspicatus (green algae)): 9,65 mg/l 2 h 67/548/EEC, Annex V, C.3.
Toxic	ity to microorganisms	:	EC50: 237 mg/l Exposure time: 96 Test Type: Respir Method: OECD Te	ation inhibition of activated sludge
2-Pyr	rolidone:			
Toxic	ity to fish	:	LC50 (Danio rerio Exposure time: 96 Method: OECD Te	
	ity to daphnia and other ic invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): > 500 mg/l 3 h
Toxici plants	ity to algae/aquatic	:	ErC50 (Desmode Exposure time: 72	smus subspicatus (green algae)): > 500 mg 2 h
			EC10 (Desmodes Exposure time: 72	mus subspicatus (green algae)): 22,2 mg/l 2 h
Toxic	ity to microorganisms	:	EC50: > 1.000 mg Exposure time: 30 Method: OECD Te	) min
1-Dec	oxy-1-(methylamino)-D	-glu	citol 2-[2-methyl-3	3-(perfluoromethyl)anilino]nicotinate:
	ity to fish	:		acrochirus (Bluegill sunfish)): 28 mg/l 5 h
			LC50 (Oncorhync Exposure time: 96 Method: FDA 4.11	
	ity to daphnia and other ic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: FDA 4.08	
Toxici plants	ity to algae/aquatic	:	NOEC (Microcysti Exposure time: 13 Method: FDA 4.01	
			NOEC (Selenastri Exposure time: 12	um capricornutum (green algae)): 96 mg/l 2 d



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Persi	stence and degrada	bility		
<u>Com</u>	oonents:			
L-me	nthol:			
Biode	gradability	:	Biodegradation Exposure time	
2-Pyr	rolidone:			
Biode	gradability	:		/ biodegradable. ed on data from similar materials
1-Dec	oxy-1-(methylamino)	-D-glu	citol 2-[2-meth	yl-3-(perfluoromethyl)anilino]nicotinate
Stabil	ity in water	:	Hydrolysis: 0 %	%(28 d)
Bioad	cumulative potentia	al		
Com	oonents:			
L-me	nthol:			
Bioac	cumulation	:	Bioconcentrati Exposure time Method: OECI	nus carpio (Carp) on factor (BCF): 0,5 - 15 : 6 Weeks ) Test Guideline 305 ed on data from similar materials
	ion coefficient: n- ol/water	:	log Pow: 3,15	
2-Pyr	rolidone:			
	ion coefficient: n- ol/water	:	log Pow: -0,71 Method: OEC	) Test Guideline 107
1-Dec	oxy-1-(methylamino)	-D-glu	citol 2-[2-meth	yl-3-(perfluoromethyl)anilino]nicotinate
	ion coefficient: n- ol/water	:	log Pow: 1,34	
Mobil	lity in soil			
Com	oonents:			
Distrit	oxy-1-(methylamino) bution among environ al compartments	-	-	yl-3-(perfluoromethyl)anilino]nicotinate

Other adverse effects

No data available



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### SECTION 13. DISPOSAL CONSIDERATIONS

### **Disposal methods**

Waste from residues	:	Dispose of in accordance with local regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste
		handling site for recycling or disposal.
		If not otherwise specified: Dispose of as unused product.

#### **SECTION 14. TRANSPORT INFORMATION**

#### International Regulations

#### UNRTDG

Not regulated as a dangerous good

#### IATA-DGR

Not regulated as a dangerous good

#### IMDG-Code

Not regulated as a dangerous good

### **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable for product as supplied.

#### **Domestic regulation**

**ANTT** Not regulated as a dangerous good

### **SECTION 15. REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture					
National List of Carcinogeni (LINACH)	c Agents for Humans -	: Not applicable			
Brazil. List of chemicals con Police	trolled by the Federal	: Not applicable			
Internetional Demulations					
International Regulations					
The ingredients of this pro	oduct are reported in the fo	ollowing inventories:			
-	oduct are reported in the for : not determined	ollowing inventories:			
The ingredients of this pro	•	ollowing inventories:			

### **SECTION 16. OTHER INFORMATION**

#### **Further information**

Sources of key data used to : Internal technical data, data from raw material SDSs, OECD



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compile the Material Safety Data Sheet eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/

### 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; 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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