

Version 4.0	Revision Date: 04.04.2023		0S Number: 66762-00018	Date of last issue: 01.10.2022 Date of first issue: 01.03.2017
SECTION	1. IDENTIFICATION			
Produ	Product name		Lambda-Cyhalor	thrin / Piperonyl Butoxide Formulation
Manu	facturer or supplier's	s deta	iils	
Comp	bany	:	MSD	
Addre	ess	:		, 6th floor, Ciudad Autonoma rgentina C1013AAP
Telep	Telephone		908-740-4000	
Emer	Emergency telephone		1-908-423-6000	
E-ma	il address	:	EHSDATASTEV	VARD@msd.com
Reco	mmended use of the	chen	nical and restricti	ons on use
Reco	mmended use	:	Veterinary produ	ıct
Restr	ictions on use	:	Not applicable	

## **SECTION 2. HAZARDS IDENTIFICATION**

GHS Classification Acute toxicity (Oral)	:	Category 4
Acute toxicity (Inhalation)	:	Category 5
Acute toxicity (Dermal)	:	Category 5
Skin corrosion/irritation	:	Category 2
Serious eye damage/eye irritation	:	Category 2B
Specific target organ toxicity - single exposure	:	Category 2 (Nervous system)
Short-term (acute) aquatic hazard	:	Category 1
Long-term (chronic) aquatic hazard	:	Category 1

### **GHS** label elements



## Lambda-Cyhalothrin / Piperonyl Butoxide Formulation

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Hazar	d pictograms		
Signal	l Word	: Warning	
Hazar	d Statements	H315 + H320 ( H371 May cau	if swallowed. May be harmful in contact with skin or if inhaled. Causes skin and eye irritation. se damage to organs (Nervous system). ic to aquatic life with long lasting effects.
Preca	utionary Statements	P264 Wash sk P270 Do not e P273 Avoid rel	reathe mist or vapors. in thoroughly after handling. at, drink or smoke when using this product. ease to the environment. otective gloves.
		CENTER/ doct P302 + P352   P304 + P312   you feel unwel P305 + P351 + for several min easy to do. Co P308 + P311   CENTER/ doct P332 + P313   tion. P337 + P313	<ul> <li>P338 IF IN EYES: Rinse cautiously with water utes. Remove contact lenses, if present and ntinue rinsing.</li> <li>F exposed or concerned: Call a POISON cor.</li> <li>f skin irritation occurs: Get medical advice/ atter</li> <li>f eye irritation persists: Get medical advice/ at-</li> <li>Take off contaminated clothing and wash it before</li> </ul>
		<b>Storage:</b> P405 Store loc	ked up.
		<b>Disposal:</b> P501 Dispose disposal plant.	of contents/ container to an approved waste

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture



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#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Corn oil	8001-30-7	>= 90 -<= 100
2-(2-Butoxyethoxy)ethyl 6-propylpiperonyl ether	51-03-6	>= 5 -< 10
lambda-cyhalothrin (ISO)	91465-08-6	>= 1 -< 2,5

#### **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.
In case of skin contact	:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention.
If swallowed	:	If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. 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. May be harmful in contact with skin or if inhaled. Causes skin and eye irritation. May cause damage to organs.
Protection of first-aiders	:	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
Notes to physician	:	Treat symptomatically and supportively.

### **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) Chlorine compounds



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			Fluorine compoun	nds
Specif ods	ic extinguishing meth-	:	cumstances and t Use water spray to	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do
	al protective equipment	:	Evacuate area. In the event of fire Use personal prot	e, wear self-contained breathing apparatus. ective equipment.
SECTION	6. ACCIDENTAL RELE	ASI	EMEASURES	
tive ec	nal precautions, protec- quipment and emer- procedures	:		ective equipment. ing advice (see section 7) and personal ent recommendations (see section 8).
Envirc	onmental precautions	:	Prevent spreading oil barriers). Retain and dispos	akage or spillage if safe to do so. g over a wide area (e.g., by containment or se of contaminated wash water. should be advised if significant spillages
	ds and materials for nment and cleaning up	:	For large spills, pr containment to ke can be pumped, s container. Clean up remainir absorbent. Local or national r disposal of this ma employed in the c determine which r Sections 13 and 1	a absorbent material. Tovide diking or other appropriate ep material from spreading. If diked material store recovered material in appropriate and materials from spill with suitable regulations may apply to releases and aterial, as well as those materials and items leanup of releases. You will need to regulations are applicable. 5 of this SDS provide information regarding tional requirements.

Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	Use only with adequate ventilation.
Advice on safe handling	:	Do not get on skin or clothing.
		Do not breathe mist or vapors.
		Do not swallow.
		Do not get in 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
		Do not eat, drink or smoke when using this product.



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	tions for safe storage als to avoid	environment. : Keep in properly Store locked up. Store in accorda : Do not store with Strong oxidizing	ostances and mixtures

### 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
Corn oil	8001-30-7	CMP (Mist)	10 mg/m <sup>3</sup>	AR OEL
2-(2-Butoxyethoxy)ethyl 6- propylpiperonyl ether	51-03-6	TWA	4 mg/m3 (OEB 1)	Internal
lambda-cyhalothrin (ISO)	91465-08-6	TWA	5 µg/m3 (OEB 4)	Internal
	Further information	ation: Skin		
		Wipe limit	50 µg/100 cm <sup>2</sup>	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. Essentially no open handling permitted. Use closed processing systems or containment technologies. If handled in a laboratory, use a properly designed biosafety cabinet, fume hood, or other containment device if the potential exists for aerosolization. If this potential does not exist, handle over lined trays or benchtops.
Personal protective equipme	ent	
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	:	Combined particulates and organic vapor 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.



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Skin and body protection		<ul> <li>Work uniform or laboratory coat.</li> <li>Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces.</li> <li>Use appropriate degowning techniques to remove potentially contaminated clothing.</li> </ul>			
Hygiene measures		eye flushing sys working place. When using do r Wash contamina The effective op engineering con appropriate dege	nemical is likely during typical use, provide tems and safety showers close to the not eat, drink or smoke. ated clothing before re-use. eration of a facility should include review of trols, proper personal protective equipment, owning and decontamination procedures, e monitoring, medical surveillance and the ative controls.		

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	clear, light yellow
Odor	:	mild, oily
Odor Threshold	:	No data available
рН	:	6,16
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	105,5 °C
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (solid, gas) Flammability (liquids)	:	Not applicable Not applicable
	:	Not applicable
Flammability (liquids) Upper explosion limit / Upper	:	Not applicable No data available
Flammability (liquids) Upper explosion limit / Upper flammability limit Lower explosion limit / Lower	:	Not applicable No data available
Flammability (liquids) Upper explosion limit / Upper flammability limit Lower explosion limit / Lower flammability limit	:	Not applicable No data available No data available



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Density		:	No data available	e
Solubility(ies) Water solubility		:	No data available	9
	ition coefficient: n- nol/water	:	No data available	9
	ignition temperature	:	No data available	9
Dec	Decomposition temperature		No data available	e
	osity /iscosity, kinematic	:	No data available	e
Expl	Explosive properties		Not explosive	
Oxic	lizing properties	:	The substance o	r mixture is not classified as oxidizing.
Mole	ecular weight	:	Not applicable	
Part	icle 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
Acute toxicity		
Harmful if swallowed. May be harmful in contact with	sk	in or if inhaled.
Product:		
Acute oral toxicity	:	LD50 (Rat): 2.000 mg/kg
		TDLo (Rat): 300 mg/kg Remarks: No mortality observed at this dose.
Acute inhalation toxicity	:	Acute toxicity estimate: 6 mg/l



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			Exposure time: 4 Test atmosphere: Method: Calculati	dust/mist
Acute	e dermal toxicity	:	LD50 (Rat): > 2.0	00 mg/kg
Com	ponents:			
Corn	oil:			
Acute	Acute oral toxicity		LD50 (Rat): > 2.0 Method: OECD To Remarks: Based o	
2-(2-l	Butoxyethoxy)ethyl 6-p	rop	ylpiperonyl ether:	
Acute	e oral toxicity	:	LD50 (Rat): > 2.0 Method: OECD To	
Acute	e inhalation toxicity	:	LC50 (Rat): > 5,2 Exposure time: 4 Test atmosphere: Method: OECD Te	h dust/mist
Acute	e dermal toxicity	:	LD50 (Rat): > 2.0 Method: OECD To	
lamb	da-cyhalothrin (ISO):			
Acute	e oral toxicity	:	LD50 (Rat): 56 - 7	′9 mg/kg
			LD50 (Mouse): 20	) mg/kg
Acute	e inhalation toxicity	:	LC50 (Rat): 0,06 Exposure time: 4 Test atmosphere:	h
Acute	e dermal toxicity	:	LD50 (Rat): 632 -	696 mg/kg
	e toxicity (other routes of nistration)	:	LD50 (Rat): 250 - Application Route	
-	corrosion/irritation es skin irritation.			
Prod	uct:			
Spec Resu		:	Rabbit irritating	
Com	ponents:			
Corn				
Spec Meth		:	Rabbit OECD Test Guide	eline 404
			8 / 19	



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Resul Rema			<ul><li>No skin irritation</li><li>Based on data from similar materials</li></ul>					
	Butoxyethoxy)ethyl 6-		er:					
Speci Metho Resul	bd		: Rabbit : OECD Test Guideline 404 : No skin irritation					
Asses	ssment	: Repeated expo	sure may cause skin dryness or cracking.					
<b>lamb</b> Speci Resul		: Rabbit : No skin irritatior	1					
	us eye damage/eye ir es eye irritation.	ritation						
<u>Produ</u> Speci Resul	es	: Rabbit : Mild eye irritatic	n					
Comp	oonents:							
Corn	oil:							
Speci Resul Metho Rema	t od	: Rabbit : No eye irritation : OECD Test Gui : Based on data t						
2-(2-E	Butoxyethoxy)ethyl 6-	propylpiperonyl ethe	er:					
Speci Resul Metho	es t	: Rabbit	s, reversing within 21 days					
lambo	da-cyhalothrin (ISO):							
Speci Resul	es t	: Rabbit : Mild eye irritatic	n					
Resp	iratory or skin sensiti	zation						
	sensitization assified based on avail	able information.						
-	iratory sensitization assified based on avail	able information.						
Produ								
Test		: Local lymph noo : Dermal	de assay (LLNA)					



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Assessment Result		<ul> <li>Does not cause skin sensitization.</li> <li>negative</li> <li>Magnusson-Kligman-Test</li> <li>Dermal</li> <li>Not a skin sensitizer.</li> </ul>				
Corn	oil:					
	es of exposure	: Human repeat insult patch test (HRIPT) : Skin contact				
Resu	lt	: negative				
2-(2-E	Butoxyethoxy)ethyl 6	-propylpiperonyl ether:				
Test		: Maximization Test				
	es of exposure	: Skin contact				
Speci		: Guinea pig				
Metho Resu		: OECD Test Guideline 406 : negative				
Incou	it.	. negative				
	da-cyhalothrin (ISO):					
Test		: Magnusson-Kligman-Test				
	es of exposure	: Dermal				
Speci Resu		: Guinea pig : Not a skin sensitizer.				
Not c <u>Com</u> Corn	a cell mutagenicity lassified based on ava <u>ponents:</u> oil: toxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES)				
		Result: negative				
		-propylpiperonyl ether:				
Geno	toxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Result: negative				
lamb	da-cyhalothrin (ISO):					
Geno	toxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Result: negative				
		Test Type: Chromosomal aberration Test system: Human lymphocytes Result: negative				
		Test Type: unscheduled DNA synthesis assay Test system: rat hepatocytes				
		10/19				



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				o mammalian cell gene mutation test ise lymphoma cells	
Geno	Genotoxicity in vivo		Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Intraperitoneal Result: negative		
	inogenicity		to former attack		
	lassified based on availa ponents:	adie	information.		
	Butoxyethoxy)ethyl 6-p	oron	vlnineronyl ether		
Spec Appli	ies cation Route sure time od		Rat Ingestion 107 weeks OECD Test Guide negative		
lamb	da-cyhalothrin (ISO):				
	cation Route sure time It	: : : : : : : : : : : : : : : : : : : :	Mouse oral (feed) 2 Years negative Based on data fro	om similar materials	
	cation Route sure time It	: : : : :	Rat oral (feed) 2 Years negative Based on data fro	om similar materials	
Not c	oductive toxicity lassified based on availa	able	information.		
	ponents:				
	Butoxyethoxy)ethyl 6-p ts on fertility	:		eneration reproduction toxicity study	
Effec	ts on fetal development	:	Test Type: Embry	vo-fetal development	

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



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lamb	<b>da-cyhalothrin (ISO):</b> ts on fertility	<ul> <li>Test Type: Three-generation study Species: Rat Application Route: oral (feed) General Toxicity Parent: NOAEL: 2 mg/kg body weight General Toxicity F1: LOAEL: 6,7 mg/kg body weight Symptoms: Reduced offspring weight gain. Result: No effects on fertility. Remarks: Based on data from similar materials</li> </ul>					
Effec	ts on fetal development	Developmental T Result: No effect body weight gair Remarks: Based Test Type: Deve Species: Rabbit Application Rout General Toxicity Developmental T Result: No effect body weight gair	e: Oral Maternal: NOAEL: 10 mg/kg body weight Toxicity: LOAEL: 15 mg/kg body weight ts on fetal development., Reduced maternal n., Reduced fetal weight. I on data from similar materials lopment				
May	<b>F-single exposure</b> cause damage to organs <b>ponents:</b>	i (Nervous system).					
-	Butoxyethoxy)ethyl 6-p						
Asse	ssment	: May cause respi	ratory irritation.				
Targe	<b>da-cyhalothrin (ISO):</b> et Organs ssment	: Nervous system : Causes damage	to organs.				
	<b>F-repeated exposure</b> lassified based on availa	ble information.					
Repe	eated dose toxicity						
Com	ponents:						
Corn Spec NOAI Applie	ies	: Rat : > 300 mg/kg : Ingestion					



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Expos Rema	Exposure time Remarks		28 Days Based on data from similar materials			
<b>2-(2-Butoxyethoxy)ethyl 6-p</b> Species NOAEL Application Route Exposure time		:	<b>bylpiperonyl ether</b> Rat 1.323 mg/kg Ingestion 7 Weeks	:		
lambda-cyhalothrin (ISO): Species NOAEL LOAEL Application Route Exposure time Symptoms			Dog 2,5 mg/kg 12,5 mg/kg oral (feed) 90 d reduced body we	ight gain, reduced food consumption		
Expos	EL	:	Rat 10 mg/kg 50 mg/kg Dermal 21 d Nervous system			
Expos	EL	:	Rat 0,08 mg/kg 0,9 mg/kg Inhalation 21 d Nervous system			
Speci NOAE LOAE Applic Expos Targe Symp	EL		Dog 0,1 mg/kg 0,5 mg/kg Oral 1 y Nervous system Gastrointestinal d Liver effects	isturbance, Vomiting, Convulsions, ataxia,		

### Aspiration toxicity

Not classified based on available information.

### Experience with human exposure

### Components:

### lambda-cyhalothrin (ISO):

Inhalation Skin contact	: Symptoms: Cough, Local irritation, sneezing	
Skin contact	: Symptoms: Skin irritation, tingling, superficial	burning sensa-
	tion, Local irritation	
	Remarks: Can be absorbed through skin.	



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Eye c Ingest		:	Symptoms: Eye irritation Symptoms: Gastrointestinal disturbance
ECTION	12. ECOLOGICAL INFO	DRN	IATION
Ecoto	oxicity		
Comp	oonents:		
Corn	oil:		
Toxici	ty to fish	:	LL50 (Danio rerio (zebra fish)): > 100 mg/l Exposure time: 96 h Method: ISO 7346/1 Remarks: Based on data from similar materials
	ty to daphnia and other ic invertebrates	:	EL50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Test substance: Water Accommodated Fraction Method: Directive 67/548/EEC, Annex V, C.2. Remarks: Based on data from similar materials
Toxici plants	ty to algae/aquatic	:	EL50 (Desmodesmus subspicatus (green algae)): > 100 mg/ Exposure time: 72 h Test substance: Water Accommodated Fraction Method: Directive 67/548/EEC, Annex V, C.3. Remarks: Based on data from similar materials
	ty to daphnia and other ic invertebrates (Chron- city)	:	NOELR (Daphnia magna (Water flea)): > 1 mg/l Exposure time: 21 d Test substance: Water Accommodated Fraction Method: OECD Test Guideline 211 Remarks: Based on data from similar materials
2-(2-E	Butoxyethoxy)ethyl 6-p	rop	ylpiperonyl ether:
Toxici	ty to fish	:	LC50 (Cyprinodon variegatus (sheepshead minnow)): 3,94 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
	ty to daphnia and other ic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0,51 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxici plants	ty to algae/aquatic	:	ErC50 (Pseudokirchneriella subcapitata (green algae)): 3,89 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
			NOEC (Pseudokirchneriella subcapitata (green algae)): 0,82 mg/l Exposure time: 72 h Method: OECD Test Guideline 201



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	ctor (Acute aquatic tox-	:	1	
icity) Toxici icity)	ty to fish (Chronic tox-	:	NOEC (Pimephale Exposure time: 35	es promelas (fathead minnow)): 0,18 mg/l 5 d
aquati	ty to daphnia and other ic invertebrates (Chron-	:	NOEC (Daphnia r Exposure time: 21	nagna (Water flea)): 0,03 mg/l I d
ic toxi M-Fac toxicit	ctor (Chronic aquatic	:	1	
	ty to microorganisms	:	EC50: > 1.000 mg Exposure time: 3 Method: OECD Te	h
lambo	da-cyhalothrin (ISO):			
Toxici	ty to fish	:	Exposure time: 96 Method: OECD Te	
			Exposure time: 96 Method: OECD Te	
	ty to daphnia and other ic invertebrates	:	Exposure time: 48 Method: OECD Te	
M-Fac icity)	ctor (Acute aquatic tox-	:	10.000	
	ty to fish (Chronic tox-	:	mg/l Exposure time: 32 Method: OECD To	
	ty to daphnia and other ic invertebrates (Chron- city)	:	Exposure time: 21 Method: OECD Te	
M-Fac toxicit	ctor (Chronic aquatic y)	:	10.000	
Persis	stence and degradabili	ty		
Comp	oonents:			
Corn				
Biode	gradability	:	Result: Readily bi Remarks: Based o	odegradable. on data from similar materials



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	Butoxyethoxy)ethyl 6-p egradability	orop :	Result: Not readil Biodegradation: Exposure time: 28	ly biodegradable. 0 %
Bioad	ccumulative potential			
Com	ponents:			
Corn	oil:			
	ion coefficient: n- ol/water	:	log Pow: > 4 Method: OECD T	est Guideline 117
2-(2-E	Butoxyethoxy)ethyl 6-p	orop	ylpiperonyl ether	:
	ion coefficient: n- ol/water	:	log Pow: 5	
lamb	da-cyhalothrin (ISO):			
Bioac	cumulation	:	Bioconcentration Method: OECD T	factor (BCF): 2.240 est Guideline 305
	ion coefficient: n- ol/water	:	log Pow: 7,0 (20	°C)
Mobi	lity in soil			
Com	ponents:			
lamb	da-cyhalothrin (ISO):			
	bution among environ- al compartments	:	log Koc: 5,5	
	<b>r adverse effects</b> ata available			
SECTION	13. DISPOSAL CONSI	DEF	RATIONS	

 

 Disposal methods

 Waste from residues
 : Dispose of in accordance with local regulations. Do not dispose of waste into sewer.

		Do not dispose of waste into sewer.
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

<b>UNRTDG</b> UN number Proper shipping name	<ul> <li>: UN 3082</li> <li>: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.</li> </ul>
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Pa	ass acking group abels	(2-(2-butoxyet) cyhalothrin (ISC : 9 : III : 9	hoxy)ethyl 6-propylpiperonyl ether, lambda- O))
1U	<b>TA-DGR</b> N/ID No. oper shipping name		y hazardous substance, liquid, n.o.s. hoxy)ethyl 6-propylpiperonyl ether, lambda- )))
Pa La Pa	ass acking group abels acking instruction (cargo rcraft)	: 9 : III : Miscellaneous : 964	~
Pa ge	acking instruction (passen- er aircraft) nvironmentally hazardous	: 964 : yes	
U	<b>IDG-Code</b> N number oper shipping name	N.O.S.	ITALLY HAZARDOUS SUBSTANCE, LIQUID, hoxy)ethyl 6-propylpiperonyl ether, lambda-
Pa La Er	ass acking group abels mS Code arine pollutant	: 9 : III : 9 : F-A, S-F : yes	

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

Not applicable for product as supplied.

#### 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/legisl mixture	atio	n specific for the substance or
Argentina. Carcinogenic Substances and Agents 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



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DSL		: not determine	d		
IECS	C	: not determine	not determined		
0507101					
SECTION	16. OTHER INFORMA	TION			
Revis	sion Date	: 04.04.2023			
Date format		: dd.mm.yyyy			
Furtl	ner information				
Sources of key data used to		: Internal techni	cal data, data from raw material SDSs, OECD		

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

cy, http://echa.europa.eu/

eChem Portal search results and European Chemicals Agen-

#### Full text of other abbreviations

compile the Material Safety

Data Sheet

AR OEL	:	Argentina. Occupational Exposure Limits
AR OEL / CMP	:	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 Recom-



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mendations 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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