

Version	Revision Date:	SDS Number:	Date of last issue: 04/06/2024
6.0	07/06/2024	1204407-00020	Date of first issue: 01/09/2017

#### **SECTION 1. IDENTIFICATION**

Product name Other means of identification	:	Pirimiphos-Methyl / Lambda-Cyhalothrin Formulation No data available			
Manufacturer or supplier's d	leta	ills			
Company name of supplier	:	Merck & Co., Inc			
Address	:	126 E. Lincoln Avenue			
		Rahway, New Jersey U.S.A. 07065			
Telephone	:	908-740-4000			
Emergency telephone	:	1-908-423-6000			
E-mail address	:	EHSDATASTEWARD@merck.com			
Recommended use of the chemical and restrictions on use					
Recommended use	:	Veterinary product			
Restrictions on use	:	Not applicable			

### **SECTION 2. HAZARDS IDENTIFICATION**

#### GHS classification in accordance with the Hazardous Products Regulations

Acute toxicity (Oral)	:	Category 4
Acute toxicity (Inhalation)	:	Category 3
Skin irritation	:	Category 2
Eye irritation	:	Category 2B
Carcinogenicity (Inhalation)	:	Category 2
Specific target organ toxicity - single exposure	:	Category 1 (Central nervous system, Nervous system)

### **GHS** label elements

Signal Word



Hazard Statements	<ul> <li>H302 Harmful if swallowed.</li> <li>H315 + H320 Causes skin and eye irritation.</li> <li>H331 Toxic if inhaled.</li> <li>H351 Suspected of causing cancer if inhaled.</li> <li>H370 Causes damage to organs (Central nervous system, Nervous system).</li> </ul>
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Danger

:

according to the Hazardous Products Regulations



## Pirimiphos-Methyl / Lambda-Cyhalothrin Formulation

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Precautionary Statements		P202 Do not ha and understood P260 Do not br P264 Wash ski P270 Do not ea P271 Use only	eathe dust, fume, gas, mist, vapors or spray. n thoroughly after handling. at, drink or smoke when using this product. outdoors or in a well-ventilated area. tective gloves, protective clothing, eye protection
		unwell. Rinse n P302 + P352 IF P304 + P340 + and keep comfe P305 + P351 + for several minu to do. Continue P308 + P311 IF P332 + P313 If P337 + P313 If	ON SKIN: Wash with plenty of water. P311 IF INHALED: Remove person to fresh air ortable for breathing. Call a doctor. P338 IF IN EYES: Rinse cautiously with water utes. Remove contact lenses, if present and easy
		Storage: P405 Store loc	ked up.
		<b>Disposal:</b> P501 Dispose o disposal plant.	of contents and container to an approved waste
Othe	r hazards		

None known.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
Polyvinyl chloride	Ethene, chloro-, homopolymer	9002-86-2	>= 60 - < 80 *
Pirimiphos-methyl (ISO)	O-(2- diethylamino-6- methylpyrimidin- 4-yl) O,O- dimethyl phos- phorothioate	29232-93-7	>= 10 - < 30 *
lambda-cyhalothrin	A mixture of: α-	91465-08-6	>= 5 - < 10 *



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(ISO)		cyano-3- phenoxybenzyl (Z)-(1R,3R)- [(S)-3-(2-chloro- 3,3,3-trifluoro- prop-1-enyl)]- 2,2- dimethylcyclo- propanecarbox- ylate			
Titaniu	m dioxide	Titanic anhy- dride	13463-67-7	7 >	>= 0.1 - < 1 *

\* Actual concentration or concentration range is withheld as a trade secret

### 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 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	:	
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



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	media Specific fighting	ble extinguishing c hazards during fire ous combustion prod-	:	Alcohol-resistant f Carbon dioxide (C Dry chemical None known. Exposure to comb Carbon oxides Nitrogen oxides (I Chlorine compour Fluorine compour	CO2) pustion products may be a hazard to health. NOx) nds
	ods	e extinguishing meth-	:	cumstances and t Use water spray t Remove undamag so. Evacuate area.	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 e, wear self-contained breathing apparatus.
	for fire-	fighters		Use personal prot	ective equipment.
SEC	SECTION 6. ACCIDENTAL RELEASE MEASURES				
	tive equ	al precautions, protec- uipment and emer- procedures	:		ective equipment. ing advice (see section 7) and personal ent recommendations (see section 8).
	Enviror	mental precautions	:		he environment. akage or spillage if safe to do so. se of contaminated wash water.

Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up	:	Surround spill with absorbents and place a damp covering over the area to minimize entry of the material into the air. Add excess liquid to allow the material to enter into solution. Soak up with inert absorbent material. 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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Advice on safe handling		Do not breathe Do not swallow Do not get in e Wash skin tho Handle in acco practice, base assessment Keep containe Do not eat, dri	
Conditions for safe storage		Store locked u Keep tightly cl Keep in a cool	•
Materials to avoid		: Do not store w Strong oxidizir	ith the following product types: ag agents ubstances 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		
Polyvinyl chloride	9002-86-2	TWA (Res- pirable)	1 mg/m <sup>3</sup>	CA BC OEL		
		TWA (Respirable particulate matter)	1 mg/m <sup>3</sup>	ACGIH		
Pirimiphos-methyl (ISO)	29232-93-7	TWA	60 µg/m3 (OEB 3)	Internal		
	Further inform	Further information: Skin				
		Wipe limit	600 µg/100 cm <sup>2</sup>	Internal		
lambda-cyhalothrin (ISO)	91465-08-6	TWA	5 µg/m3 (OEB 4)	Internal		
	Further inform	ation: Skin				
		Wipe limit	50 µg/100 cm <sup>2</sup>	Internal		
Titanium dioxide	13463-67-7	TWA	10 mg/m <sup>3</sup>	CA AB OEL		
		TWA (Total dust)	10 mg/m³	CA BC OEL		
		TWA (respir-	3 mg/m <sup>3</sup>	CA BC OEL		
		able dust fraction)				
		TWAEV (to-	10 mg/m <sup>3</sup>	CA QC OEL		



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U			tal dust)				
Engi	neering 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.				
Pers	onal protective equipr	nent					
Fi	Respiratory protection : Filter type : Hand protection		If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection. Particulates type				
М	aterial	:	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	Skin and body protection		Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing.				
Hygie	ene measures	:	If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.				

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	solid
Color	:	No data available
Odor	:	characteristic

### SAFETY DATA SHEET according to the Hazardous Products Regulations



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	Odor Th	nreshold	:	No data available	
	рН		:	No data available	)
	Melting	point/freezing point	:	No data available	)
	Initial be range	oiling point and boiling	:	No data available	
	Flash p	oint	:	Not applicable	
	Evapora	ation rate	:	No data available	)
	Flamma	ability (solid, gas)	:	Not classified as	a flammability hazard
	Flamma	ability (liquids)	:	No data available	)
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
	Vapor p	pressure	:	No data available	)
	Relative	e vapor density	:	No data available	)
	Relative	e density	:	No data available	)
	Density		:	No data available	)
	Solubili Wate	ty(ies) er solubility	:	insoluble	
	Partition octanol	n coefficient: n-	:	No data available	
		ition temperature	:	No data available	
	Decom	position temperature	:	No data available	
	Viscosii Visc	ty osity, kinematic	:	No data available	9
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance or	r mixture is not classified as oxidizing.
	Molecu	lar weight	:	No data available	)
	Particle Particle	characteristics size	:	No data available	



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### 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

Skin contact Ingestion Eye contact

### Acute toxicity

Harmful if swallowed. Toxic if inhaled.

### Product:

Acute oral toxicity	:	Acute toxicity estimate: 654.55 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: 0.7505 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method

#### Components:

#### Pirimiphos-methyl (ISO):

Acute oral toxicity		LD50 (Rat): 1,180 mg/kg
		LD50 (Rat): 2,400 - 5,976 mg/kg
		LD50 (Mouse): > 575 mg/kg
		LD50 (Dog): > 1,500 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 5.04 mg/l Exposure time: 4 h
Acute dermal toxicity	:	LD50 (Rabbit): 2,000 mg/kg



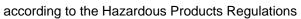
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				LD50 (Rat): > 4,59	92 mg/kg	
	-	a-cyhalothrin (ISO):				
	Acute o	oral toxicity	:	LD50 (Rat): 56 - 7	9 mg/kg	
				LD50 (Mouse): 20	mg/kg	
	Acute i	nhalation toxicity	:	LC50 (Rat): 0.06 r Exposure time: 4 l Test atmosphere:	า	
	Acute o	dermal toxicity	:	LD50 (Rat): 632 - 696 mg/kg		
		oxicity (other routes of stration)	:	LD50 (Rat): 250 - Application Route		
•	Titaniu	ım dioxide:				
	Acute o	oral toxicity	:	LD50 (Rat): > 5,00	00 mg/kg	
	Acute i	nhalation toxicity	:	LC50 (Rat): > 6.82 Exposure time: 4 I Test atmosphere: Assessment: The tion toxicity	n	
		orrosion/irritation				
	Compo	onents:				
_		phos-methyl (ISO):				
	Specie Result	S	:	Rabbit irritating		
	lambda	a-cyhalothrin (ISO):				
	Specie Result	S	:	Rabbit No skin irritation		
	Titaniu	ım dioxide:				
	Specie Result	S	:	Rabbit No skin irritation		
	Causes	<b>s eye damage/eye irri</b> s eye irritation. onents:	tati	on		
I	<b>Pirimi</b> p Specie	<b>bhos-methyl (ISO)</b> : s	:	Rabbit		



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Result	t	: Mild eye irritation		
lambo Specie Result		: Rabbit : Mild eye irritation		
<b>Titani</b> Specie Result		: Rabbit : No eye irritation		
Respi	ratory or skin sensi	ization		
Not cla <b>Respi</b> Not cla	sensitization assified based on ava ratory sensitization assified based on ava			
	onents:			
Test T	s of exposure es	SO): : Maximization Test : Dermal : Guinea pig : Not a skin sensitizer.		
Test T Route Specie	Iambda-cyhalothrin (ISO):Test Type:Magnusson-Kligman-TestRoutes of exposure:DermalSpecies:Guinea pigResult:Not a skin sensitizer.			
Test T	s of exposure es	<ul> <li>Local lymph node assay (LLNA)</li> <li>Skin contact</li> <li>Mouse</li> <li>negative</li> </ul>		
	cell mutagenicity assified based on ava	ilable information.		
<u>Comp</u>	onents:			
	phos-methyl (ISO): oxicity in vitro	<ul> <li>Test Type: Bacterial reverse mutation assay (AMES) Result: equivocal</li> <li>Test Type: sister chromatid exchange assay</li> </ul>		
		Result: positive		

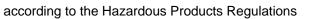


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Ge	notoxicity in vivo	:	Test Type: Micror Species: Mouse Result: negative	nucleus test	
			Test Type: Rodent dominant lethal test (germ cell) (in viv Species: Mouse Result: negative		
II Iar	nbda-cyhalothrin (ISO):				
	notoxicity in vitro	:	Test Type: Bacter Result: negative	rial reverse mutation assay (AMES)	
			Test Type: Chron Test system: Hun Result: negative	nosomal aberration nan lymphocytes	
			Test Type: unsch Test system: rat h Result: negative	eduled DNA synthesis assay nepatocytes	
				o mammalian cell gene mutation test use lymphoma cells	
Ge	notoxicity in vivo	:	Test Type: Micror Species: Mouse Cell type: Bone m Application Route Result: negative	arrow	
11 Tit	anium dioxide:				
	notoxicity in vitro	:	Test Type: Bacter Result: negative	rial reverse mutation assay (AMES)	
Ge	notoxicity in vivo	:	Test Type: In vivo Species: Mouse Result: negative	o micronucleus test	
	<b>rcinogenicity</b> spected of causing cancer	if in	haled.		
	mponents:				
Pir	imiphos-methyl (ISO):				
Ap Ex	ecies plication Route posure time sult	:	Rat Oral 2 Years negative		
	ecies	:	Mouse		
			11/20		





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	tion Route ire time	:	Oral 80 weeks negative	
Carcino ment	ogenicity - Assess-	:	Animal testing did	not show any carcinogenic effects.
lambda	a-cyhalothrin (ISO):			
	ition Route ire time	:	Mouse oral (feed) 2 Years negative Based on data fro	m similar materials
Species Applica Exposu Result Remark	tion Route ire time	· · ·	Rat oral (feed) 2 Years negative Based on data fro	m similar materials
Titaniu	m dioxide:			
	ition Route ire time I	:	Rat inhalation (dust/m 2 Years OECD Test Guide positive The mechanism of mans.	
Carcino ment	ogenicity - Assess-	:	Limited evidence animals.	of carcinogenicity in inhalation studies with
-	<b>luctive toxicity</b> ssified based on availa	ıble	information.	
Compo	onents:			
Pirimip	hos-methyl (ISO):			
	on fertility	:	Species: Rat Application Route	15.4 mg/kg body weight
Effects	on fetal development	:	Result: No effects	: Oral oxicity: NOAEL: 150 mg/kg body weight on early embryonic development. al toxicity observed.





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			Result: No effects	e: Oral oxicity: NOAEL: 48 mg/kg body weight s on early embryonic development. al toxicity observed.
lambd	a-cyhalothrin (ISO):			
	on fertility	:	General Toxicity I Symptoms: Redu Result: No effects	e: oral (feed) Parent: NOAEL: 2 mg/kg body weight F1: LOAEL: 6.7 mg/kg body weight ced offspring weight gain.
Effects	on fetal development	:	Developmental To Result: No effects body weight gain. Remarks: Based Test Type: Develo Species: Rabbit Application Route General Toxicity M Developmental To Result: No effects body weight gain.	e: Oral Maternal: NOAEL: 10 mg/kg body weight oxicity: LOAEL: 15 mg/kg body weight on fetal development., Reduced maternal , Reduced fetal weight. on data from similar materials
	<b>single exposure</b> s damage to organs (C	entr	al nervous system,	, Nervous system).
Comp	onents:			
Pirimi Target Assess	<b>ohos-methyl (ISO):</b> Organs sment	:	Central nervous s Causes damage t	
	<b>a-cyhalothrin (ISO):</b> Organs sment	:	Nervous system Causes damage t	o organs.

### STOT-repeated exposure

Not classified based on available information.



according to the Hazardous Products Regulations

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Pirim IRema Repe	ated dose toxicity	: Not classifie	d due to inconclusive data.
	oonents:		
Speci NOAE LOAE Applic Expos	EL EL cation Route sure time t Organs	: Rat : 0.5 mg/kg : 2.5 mg/kg : Oral : 28 d : Central nerv : cholinestera	ous system se inhibition
Expos	L cation Route sure time t Organs	: Dog : 2 mg/kg : Oral : 13 Weeks : Central nerv : cholinestera	
Expos	EL cation Route sure time t Organs toms	: Rat : 25 mg/kg : Oral : 90 d : Central nerv : cholinestera : No significal	
Expos	:L cation Route sure time t Organs	: Dog : 0.5 mg/kg : Oral : 2 y : Central nerv : cholinestera	
Expos	L cation Route sure time t Organs	: Rat : 2.1 mg/kg : Oral : 2 y : Central nerv : cholinestera	
lambo Speci NOAE LOAE	EL	: Dog : 2.5 mg/kg : 12.5 mg/kg	

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	ation Route ure time oms	: 90		ght gain, reduced food consumption
	- ation Route ure time	: 50 : De : 21	mg/kg mg/kg rmal	
	- ation Route ure time	: 0.9 : Inh : 21	)8 mg/kg ) mg/kg nalation	
Exposu	- ation Route ure time Organs	: 0.5 : Ora : 1 y : Ne : Ga	mg/kg 5 mg/kg al vrvous system	isturbance, Vomiting, Convulsions, ataxia,
Specie NOAEI Applica Exposu Specie NOAEI	- ation Route ure time s -	: Ing : 28 : Ra : 10	,000 mg/kg jestion Days t mg/m <sup>3</sup>	:
Exposi Aspira	ation Route ure time <b>tion toxicity</b> ssified based on avail	: 2y		ist/fume)
-	ence with human ex	posure		
	onents: ohos-methyl (ISO): on	ach		ea, Vomiting, Dizziness, confusion, Head- stomach discomfort, Blurred vision, muscle
lambda IInhalat	a-cyhalothrin (ISO): ion	: Sy	mptoms: Cough	n, Local irritation, sneezing



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Skin contact Eye contact Ingestion		: : :	<ul> <li>Symptoms: Skin irritation, tingling, superficial burning sensation, Local irritation Remarks: Can be absorbed through skin.</li> <li>Symptoms: Eye irritation</li> <li>Symptoms: Gastrointestinal disturbance</li> </ul>		
SECTION	I 12. ECOLOGICAL INFO	DR	MATION		
Ecot	oxicity				
<u>Com</u>	ponents:				
Pirin	niphos-methyl (ISO):				
Τοχία	city to fish	:	LC50 (Oncorhync Exposure time: 96 Method: OECD To		
	city to daphnia and other tic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te		
Toxic plant	city to algae/aquatic s	:	EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD Te		
Toxic icity)	city to fish (Chronic tox-	:	NOEC (Pimephale Exposure time: 35 Method: OECD Te		
aqua	city to daphnia and other tic invertebrates (Chron- kicity)	:	NOEC (Daphnia r Exposure time: 21 Method: OECD Te		
lamb	oda-cyhalothrin (ISO):				
	city to fish	:	Exposure time: 96 Method: OECD Te		
			Exposure time: 96 Method: OECD Te		
	city to daphnia and other tic invertebrates	:	Exposure time: 48 Method: OECD Te		
Toxic icity)	city to fish (Chronic tox-	:	NOEC (Pimephale mg/l	es promelas (fathead minnow)): 0.000062	



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			Exposure time: 32 Method: OECD Te Remarks: Based o	
aqu	icity to daphnia and other atic invertebrates (Chron- pxicity)	:	Exposure time: 21 Method: OECD Te	
Tita	nium dioxide:			
Тох	icity to fish	:	LC50 (Oncorhync Exposure time: 96 Method: OECD Te	
	icity to daphnia and other atic invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): > 100 mg/l h
Tox plar	icity to algae/aquatic hts	:	EC50 (Skeletoner Exposure time: 72	na costatum (marine diatom)): > 10,000 mg/l h
Тох	icity to microorganisms	:	EC50: > 1,000 mg Exposure time: 3 Method: OECD Te	้า
Per	sistence and degradabili	ty		
Cor	nponents:			
	miphos-methyl (ISO):			
	pility in water	:	Hydrolysis: 50 %(	117 d)
Bio	accumulative potential			
<u>Cor</u>	nponents:			
Piri	miphos-methyl (ISO):			
	tition coefficient: n- anol/water	:	log Pow: 4.2	
	bda-cyhalothrin (ISO):			
Bioa	accumulation	:	Bioconcentration f Method: OECD Te	actor (BCF): 2,240 est Guideline 305
	tition coefficient: n- anol/water	:	log Pow: 7.0 (20 °	C)
Mol	oility in soil			
<u>Cor</u>	nponents:			
	bda-cyhalothrin (ISO): ribution among environ-	:	log Koc: 5.5	



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ment	mental compartments									
	Other adverse effects No data available									
SECTION 13. DISPOSAL CONSIDERATIONS										
Disp	osal methods									
Wast	e from residues	:		f waste into sewer. ordance with local regulations.						
Conta	aminated packaging	:	Empty containers	s should be taken to an approved waste recycling or disposal. pecified: Dispose of as unused product.						

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

### International Regulations

UNRTDG UN number Proper shipping name II Class Packing group Labels Environmentally hazardous	:	UN 2811 TOXIC SOLID, ORGANIC, N.O.S. (lambda-cyhalothrin (ISO), Pirimiphos-methyl (ISO)) 6.1 III 6.1 yes
IATA-DGR UN/ID No. Proper shipping name II Class Packing group Labels Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft)		UN 2811 Toxic solid, organic, n.o.s. (lambda-cyhalothrin (ISO), Pirimiphos-methyl (ISO)) 6.1 III Toxic 677 670
IMDG-Code UN number Proper shipping name Class Packing group Labels EmS Code Marine pollutant	:	UN 2811 TOXIC SOLID, ORGANIC, N.O.S. (lambda-cyhalothrin (ISO), Pirimiphos-methyl (ISO)) 6.1 III 6.1 F-A, S-A yes

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

Not applicable for product as supplied.

#### **Domestic regulation**



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Class Packir Labels ERG (	r shipping name ng group S Code e pollutant	(lambda-cyha : 6.1 : III : 6.1 : 154 : yes(lambda-c	D, ORGANIC, N.O.S. alothrin (ISO), Pirimiphos-methyl (ISO)) yhalothrin (ISO), Pirimiphos-methyl (ISO)) ation hazard" mark on package in accordance 3.

#### 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

The ingredients of this	product are reported i	in the following inventories:
The mgreatence et ane	product are reperted.	

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

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

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)			
CA AB OEL	:	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)			
CA BC OEL	:	Canada. British Columbia OEL			
CA QC OEL	:	Québec. Regulation respecting occupational health and safe- ty, Schedule 1, Part 1: Permissible exposure values for air- borne contaminants			
ACGIH / TWA		8-hour, time-weighted average			
CA AB OEL / TWA	:	8-hour Occupational exposure limit			
CA BC OEL / TWA	:	8-hour time weighted average			
CA QC OEL / TWAEV	:	Time-weighted average exposure 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 Sys-



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tem; 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

Sources of key data used to compile the Material Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/
Revision Date Date format	:	07/06/2024 mm/dd/yyyy

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

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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