



Version 3.6	Revision Date: 06.04.2024		S Number: 59907-00016	Date of last issue: 03.11.2023 Date of first issue: 25.04.2017		
	1: IDENTIFICATION act name	:	Deltamethrin Liq	uid Formulation		
Manu	facturer or supplier's d	leta	ils			
Comp		:		Intervet Australia Pty Limited (trading as MSD Animal Health)		
Address		:	91-105 Harpin Street Bendigo 3550, Victoria Austrailia			
Telep	hone	:	1 800 033 461			
Emer	gency telephone number	· :	Poisons Information Centre: Phone 13 11 26			
E-mai	E-mail address		EHSDATASTEWARD@msd.com			
Reco	mmended use of the cl	nem	ical and restriction	ons on use		
	Recommended use Restrictions on use		Veterinary produ Not applicable	ict		

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Acute toxicity (Oral)	:	Category 4
Serious eye damage/eye irri- tation	:	Category 1
Skin sensitisation	:	Category 1
Reproductive toxicity	:	Category 2
Specific target organ toxicity - repeated exposure (Oral)	:	Category 2 (Central nervous system, Immune system)
Specific target organ toxicity - repeated exposure (Inhala- tion)	:	Category 2 (Central nervous system)
GHS label elements		
Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	H302 Harmful if swallowed.





		H317 May cau		
		H318 Causes H361fd Susper ing the unborn H373 May cau Immune syster swallowed. H373 May cau	child. se damage to orga n) through prolong	ge. ertility. Suspected of damag- ans (Central nervous system, ged or repeated exposure if ans (Central nervous system)
Precau	utionary statements	Prevention:		
		P202 Do not h and understoo P260 Do not b P264 Wash sk P270 Do not e P272 Contami the workplace.	d. reathe mist or vap in thoroughly after at, drink or smoke nated work clothin otective gloves/ pro	ty precautions have been rea ours.
		CENTER/ doct P302 + P352 I P305 + P351 + water for sever and easy to do CENTER/ doct P308 + P313 I attention.	or if you feel unwe F ON SKIN: Wash - P338 + P310 IF I ral minutes. Remov . Continue rinsing. or. F exposed or conc f skin irritation or ra	OWED: Call a POISON ell. Rinse mouth. with plenty of water. N EYES: Rinse cautiously wit ve contact lenses, if present Immediately call a POISON eerned: Get medical advice/ ash occurs: Get medical ad-
		Storage: P405 Store loc	ked up.	
		Disposal: P501 Dispose disposal plant.	of contents/ conta	iner to an approved waste
Cutane	eous sensations may	ot result in classifica occur, such as burninq no lesions and are of a	g or stinging on the	e face and mucosae. Howev- (max. 24 hours).
ECTION 3	B. COMPOSITION/IN	FORMATION ON ING	REDIENTS	
Substa	ance / Mixture	: Mixture		
	onents			
_	cal name		CAS-No.	Concentration (% w/w)





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	-(4-(1,1,3,3-Tetramethy		9002-93-1	>= 60 -<= 100			
	a-hydroxypoly(oxy-1,2- nethrin (ISO)	ethanediyi)	52918-63-5	>= 3 -< 10			
	4. FIRST AID MEASU	RES	32310 03 3				
	ral advice	: In the case of vice immedia	tely.	eel unwell, seek medical ad- cases of doubt seek medical			
lf inha	aled		nove to fresh air.				
In cas	e of skin contact	 In case of contact, immediately flush skin with soap ar of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse. 					
In cas	e of eye contact	: In case of cor for at least 15 If easy to do,	ntact, immediately flu	ush eyes with plenty of water s, if worn.			
lf swa	llowed	: If swallowed, Get medical a Rinse mouth	DO NOT induce vor attention. thoroughly with wate	niting. er.			
	important symptoms ffects, both acute and ed	 Never give anything by mouth to an unconscious person. Harmful if swallowed. May cause an allergic skin reaction. Causes serious eye damage. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure if swallowed. May cause damage to organs through prolonged or repeated exposure if inhaled. This product contains a pyrethroid. Pyrethroid poisoning should not be confused with carbamate or organshate poisoning 					
Prote	ction of first-aiders	: First Aid resp and use the r	 or organophosphate poisoning. 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	Notes to physician : Treat symptomatically and supportively.						

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
Specific hazards during fire-	:	Exposure to combustion products may be a hazard to health.



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fightin Hazaı ucts	ng rdous combustion prod-	:	Carbon oxides		
Speci ods	fic extinguishing meth-	:	cumstances and t Use water spray t Remove undamag so.	nds 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	
for fire	Special protective equipment for firefighters Hazchem Code		Evacuate area. In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. •3Z		
SECTION	6. ACCIDENTAL RELE	ASI	E MEASURES		
tive e	nal precautions, protec- quipment and emer-	:		ective equipment. ing advice (see section 7) and personal pro- recommendations (see section 8).	
Enviro	onmental precautions	:	Prevent spreading barriers). Retain and dispos	akage or spillage if safe to do so. g over a wide area (e.g. by containment or oil se of contaminated wash water. should be advised if significant spillages	
	ods and materials for inment and cleaning up	:	For large spills, pr ment to keep mate be pumped, store Clean up remaining bent. Local or national r posal of this mate employed in the c mine which regula Sections 13 and 1	a absorbent material. rovide dyking or other appropriate contain- erial from spreading. If dyked material can recovered material in appropriate container. In materials from spill with suitable absor- regulations may apply to releases and dis- rial, as well as those materials and items leanup of releases. You will need to deter- ations are applicable. 5 of this SDS provide information regarding tional requirements.	

SECTION 7. HANDLING AND STORAGE

Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	If sufficient ventilation is unavailable, use with local exhaust ventilation.
Advice on safe handling	:	Do not get on skin or clothing. Do not breathe mist or vapours. Do not swallow.



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Hy	giene measures	Handle in a practice, b sessment Keep conta Do not eat Take care environme : If exposure flushing sy place. When usin Contamina workplace. Wash cont The effecti engineerin appropriate industrial h	thoroughly after handling. accordance with good industrial hygiene and safety ased on the results of the workplace exposure as- ainer tightly closed. , drink or smoke when using this product. to prevent spills, waste and minimize release to the nt. e to chemical is likely during typical use, provide eye stems and safety showers close to the working g do not eat, drink or smoke. ted work clothing should not be allowed out of the aminated clothing before re-use. ve operation of a facility should include review of g controls, proper personal protective equipment, e degowning and decontamination procedures, hygiene monitoring, medical surveillance and the
Co	nditions for safe storage		•
Ма	terials to avoid	Store in ac : Do not sto	cordance with the particular national regulations. re with the following product types: dizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
deltamethrin (ISO)	52918-63-5	TWA	15 µg/m3 (OEB 3)	Internal
	Further information: DSEN, Skin			
		Wipe limit	100 µg/100 cm²	Internal

te le Al de pr C ar th ta	se appropriate engineering controls and manufacturing chnologies to control airborne concentrations (e.g., drip- ss quick connections). I engineering controls should be implemented by facility esign and operated in accordance with GMP principles to otect products, workers, and the environment. ontainment technologies suitable for controlling compounds e required to control at source and to prevent migration of e compound to uncontrolled areas (e.g., open-face con- inment devices). inimize open handling.
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Perse	onal protective equip	ment			
Fi	Respiratory protection Filter type Hand protection		If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Particulates type		
М	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	Skin and body protection		Work uniform or la Additional body g task being perform posable suits) to a	arments should be used based upon the ned (e.g., sleevelets, apron, gauntlets, dis- avoid exposed skin surfaces. degowning techniques to remove potentially	

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	colourless
Odour	:	odourless
Odour Threshold	:	No data available
рН	:	3.4 - 4 (20 °C)
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
Lower explosion limit / Lower	:	No data available

SAFETY DATA SHEET



Deltamethrin Liquid Formulation

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flamr	nability limit			
Vapo	our pressure	:	No data available	9
Relat	ive vapour density	:	No data available	9
Relat	tive density	:	No data available	9
Dens	ity	:	No data available	9
	bility(ies) /ater solubility	:	No data available	9
	tion coefficient: n- nol/water	:	No data available	9
	ignition temperature	:	No data available	9
Deco	mposition temperature	:	No data available	9
Visco Vi	osity scosity, kinematic	:	No data available	9
Explo	osive properties	:	Not explosive	
Oxidi	zing properties	:	The substance o	r mixture is not classified as oxidizing.
Mole	cular weight	:	Not applicable	
	cle characteristics cle size	:	Not applicable	

SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability	:	Not classified as a reactivity hazard. Stable under normal conditions.
	-	Can react with strong oxidizing agents.
tions		5 5 5
Conditions to avoid	:	None known.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Exposure routes

: Inhalation Skin contact Ingestion Eye contact



rsion	Revision Date: 06.04.2024	-	0S Number: 59907-00016	Date of last issue: 03.11.2023 Date of first issue: 25.04.2017
	e toxicity ful if swallowed.			
Produ	uct:			
Acute	oral toxicity	:	Acute toxicity esti Method: Calculati	mate: 956.51 mg/kg on method
Acute	inhalation toxicity	:	Acute toxicity esti Exposure time: 4 Test atmosphere: Method: Calculati	h dust/mist
<u>Comp</u>	oonents:			
Alpha	a-(4-(1,1,3,3-Tetramethy	lbu	ıtyl)phenyl)-omeg	a-hydroxypoly(oxy-1,2-ethanediy
Acute	oral toxicity	:	LD50 (Rat): 1,900 Remarks: Based) - 5,000 mg/kg on data from similar materials
Acute	dermal toxicity	:	LD50 (Rabbit): > Remarks: Based	3,000 mg/kg on data from similar materials
delta	methrin (ISO):			
Acute	oral toxicity	:	LD50 (Rat): 66.7	mg/kg
			LD50 (Rat): 9 - 13	39 mg/kg
			LD50 (Mouse): 19	9 - 34 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): 0.8 m Exposure time: 2 Test atmosphere:	ĥ
Acute	dermal toxicity	:	LD50 (Rabbit): 2,	000 mg/kg
			LD50 (Rat): > 800) mg/kg
	toxicity (other routes of histration)	:	LD50 (Rat): 2.5 m Application Route	
			LD50 (Mouse): 10 Application Route	
Skin	corrosion/irritation			
_	assified based on availa	ble	information	

Components:

Alpha-(4-(1,1,3,3-Tetramethylbutyl)phenyl)-omega-hydroxypoly(oxy-1,2-ethanediyl):Result:No skin irritation





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dolta	methrin (ISO):		
Speci		: Rabbit	
Resu		: No skin irritation	n
	o us eye damage/eye es serious eye damag		
Com	ponents:		
-			ega-hydroxypoly(oxy-1,2-ethanediyl)
Resu	IL	: Irreversible effe	cts on the eye
	methrin (ISO):		
Spec Resu		: Rabbit : Moderate eye i	rritation
Resp	iratory or skin sensi	tisation	
-	sensitisation		
-	cause an allergic skin	reaction.	
	iratory sensitisation lassified based on ava		
Com	ponents:		
delta	methrin (ISO):		
Test		: Maximisation T	est
Expo Speci	sure routes	: Dermal : Guinea pig	
Resu		: negative	
Test		•	insult patch test (HRIPT)
Expo Spec	sure routes	: Dermal : Humans	
Resu		: positive	
Chro	nic toxicity		
Germ	cell mutagenicity		
	lassified based on av	ailable information.	
<u>Com</u>	ponents:		
	methrin (ISO):	_	
Geno	toxicity in vitro	: Test Type: Bac Result: negative	terial reverse mutation assay (AMES) e
		Test Type: DNA	
		Test system: Es Result: negative	
		9 / 18	
		5/10	



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		Test system: C Result: negative Test Type: In vi Test system: C	itro mammalian cell gene mutation test hinese hamster lung cells
Geno	toxicity in vivo	Concentration: Result: positive : Test Type: Micr	
Cono		Species: Mouse Application Rou Result: negative	e ute: Oral
		Test Type: dom Species: Mouse Application Rou Result: negative	ute: Oral
		Test Type: siste Species: Mouse Cell type: Bone Application Rou Result: negative	e marrow ute: Oral
	nogenicity lassified based on ava	ailable information	
	oonents:		
delta	methrin (ISO):		
Expos NOAE LOAE Resu	cation Route sure time EL EL	 Mouse, male an oral (feed) 104 weeks 8 mg/kg body w 4 mg/kg body w positive Lymph nodes 	veight
	cation Route sure time	: Rat, male and f : oral (feed) : 2 Years : negative	female
	cation Route sure time EL	 Dog, male and oral (feed) 2 Years 1 mg/kg body w negative 	



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Susp		iliity. Suspected of da	maging the unborn child.
Com	ponents:		
	methrin (ISO): ts on fertility	Species: Rat Application Ro Early Embryor weight Symptoms: No	ree-generation reproduction toxicity study oute: oral (feed) nic Development: NOAEL: 50 mg/kg body o effects on fertility, Embryo-foetal toxicity nificant toxicity observed in testing
		Species: Rat Application Ro Early Embryor weight Symptoms: No Test Type: Fe Species: Rat, Application Ro Fertility: LOAE	nic Development: LOAEL: 84 - 149 mg/kg body o effects on fertility, Embryo-foetal toxicity rtility male oute: Oral EL: 1 mg/kg body weight fects on fertility
Effec ment	ts on foetal develop-	: Test Type: De Species: Mous Application Ro Developmenta Result: Skelet	velopment
		Developmenta	
Repro sessr	oductive toxicity - As- nent		e of adverse effects on sexual function and on development, based on animal experiments

STOT - single exposure

Not classified based on available information.



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<u>Comp</u>	onents:		
deltar	nethrin (ISO):		
Asses	sment	: May cause resp	piratory irritation.
STOT	- repeated exposur	e	
repeat	ted exposure if swallo ause damage to orga	owed.	vstem, Immune system) through prolonged or vstem) through prolonged or repeated exposu
<u>Comp</u>	onents:		
deltar	nethrin (ISO):		
	sure routes	: Ingestion	
Asses	t Organs sment		s system, Immune system e to organs through prolonged or repeated
Expos	sure routes	: inhalation (dust	:/mist/fume)
•	t Organs	: Central nervous	
Asses	sment	: Causes damag exposure.	e to organs through prolonged or repeated
Repea	ated dose toxicity		
<u>Comp</u>	onents:		
deltar	nethrin (ISO):		
Specie		: Rat, male and f	emale
NOAE		: 1 mg/kg	
	∟ ation Route	: 2.5 mg/kg : Oral	
	sure time	: 13 Weeks	
	t Organs	: Nervous system	n
Sympt	toms	: hyperexcitability	
Specie		: Rat	
LOAE		: 3 mg/m3	
	ation Route	: inhalation (dust	
Expos Sympt	sure time	: 2 wk / 5 d/wk /	6 n/d respiratory tract irritation
, ,			respiratory tract initation
Specie NOAE		: Dog : 0.1 mg/kg	
LOAE		: 0.1 mg/kg : 1 mg/kg	
	ation Route	: Oral	
	sure time	: 13 Weeks	
	t Organs	: Nervous system	n
Sympt			e pupil, Vomiting, Tremors, Diarrhoea, Saliva



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Expo	EL		Rat 14 mg/kg 54 mg/kg Oral 91 d Nervous system			
Expo Targe			Mouse 6 mg/kg Oral 12 Weeks Immune system immune system e	ffects		
Not c	ration toxicity lassified based on avail					
-	rience with human exp	osi	lre			
	ponents:					
delta Inhala	methrin (ISO): ation	:	Headache, Nause	ratory tract irritation, Dizziness, Sweating, ea, Vomiting, anorexia, Fatigue, tingling,		
Skin	Skin contact		 Palpitation, Blurred vision, muscle twitching Symptoms: Skin irritation, Erythema, pruritis, Headache, Nausea, Vomiting, Dizziness, tingling, Sweating, muscle twitching Blurred vision, Fatigue, anorexia, Allergic reactions 			
Inges	tion	:	: Symptoms: muscle pain, Small pupils			
Ecoto	12. ECOLOGICAL INF oxicity ponents:	URI	MATION			
		vlhi	ityl)nbenyl)-omeo	a-hydroxypoly(oxy-1,2-ethanediyl):		
-	ity to fish	:	LC50 (Pimephale Exposure time: 9	s promelas (fathead minnow)): 4 - 8.9 mg/l		
	ity to daphnia and other tic invertebrates	:	Exposure time: 4	nagna (Water flea)): 18 - 26 mg/l 3 h on data from similar materials		
Toxic	ity to microorganisms	:	IC50: 5,000 mg/l Exposure time: 10	6 h		
	methrin (ISO): ity to fish	:	LC50 (Cyprinodo mg/l	n variegatus (sheepshead minnow)): 0.00048		



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				Exposure time: 96	h
				LC50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): 0.00039 mg/l h
		to daphnia and other invertebrates	:	EC50 (Mysidopsis Exposure time: 48	bahia (opossum shrimp)): 0.0037 μg/l h
				EC50 (Daphnia m Exposure time: 48	agna (Water flea)): 0.0035 mg/l h
				LC50 (Gammarus Exposure time: 96	fasciatus (freshwater shrimp)): 0.0003 µg/l h
	oxicity ants	to algae/aquatic	:	mg/l Exposure time: 72 Method: OECD Te	
	Toxicity city)	to fish (Chronic tox-	:	NOEC (Pimephale mg/l Exposure time: 36	es promelas (fathead minnow)): 0.000022
				NOEC (Pimephale mg/l Exposure time: 26	es promelas (fathead minnow)): 0.000017 0 d
а		to daphnia and other invertebrates (Chron- tv)	:	NOEC (Daphnia n Exposure time: 21	nagna (Water flea)): 0.0041 μg/l d
		ence and degradabili	ity		
<u>c</u>	Compo	nents:			
		4-(1,1,3,3-Tetramethy adability	/lbu :	Biodegradation: > Exposure time: 28	
				Result: Not readily Biodegradation: 3 Exposure time: 28 Method: Closed B	6 % d
		ethrin (ISO): / in water	:	Hydrolysis: 0 %(3) d)



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Bioa	ccumulative potentia	I		
<u>Com</u>	ponents:			
Partit	a-(4-(1,1,3,3-Tetrame tion coefficient: n- nol/water	thylbı :		ega-hydroxypoly(oxy-1,2-ethanediyl):
delta	methrin (ISO):			
Bioad	ccumulation	:		nis macrochirus (Bluegill sunfish) n factor (BCF): 1,800
	tion coefficient: n- nol/water	:	log Pow: 4.6	
Mobi	ility in soil			
<u>Com</u>	ponents:			
delta	methrin (ISO):			
	bution among environ- al compartments	• :	log Koc: 7.2	
Othe	r adverse effects			
No da	ata available			

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	:	Do not dispose of waste into sewer.
		Dispose of in accordance with local regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste han- dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations	3
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UNRTDG		
UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (deltamethrin (ISO), Alpha-(4-(1,1,3,3-
		Tetramethylbutyl)phenyl)-omega-hydroxypoly(oxy-1,2- ethanediyl))
Class	:	9
Packing group	:	III
Labels	:	9
Environmentally hazardous	:	yes
IATA-DGR UN/ID No.	:	UN 3082





rsion S	Revision Date: 06.04.2024		S Number: 59907-00016	Date of last issue: 03.11.2023 Date of first issue: 25.04.2017
Prope	r shipping name	:		/ hazardous substance, liquid, n.o.s. SO), Alpha-(4-(1,1,3,3-
				/l)phenyl)-omega-hydroxypoly(oxy-1,2-
Class		:	9	
Packir	ng group	:	111	
Labels		:	Miscellaneous	
Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft)		:	964	
		:	964	
Envirc	nmentally hazardous	:	yes	
IMDG	-Code			
UN nu			UN 3082	
	r shipping name			TALLY HAZARDOUS SUBSTANCE, LIQUI
1.000		•	N.O.S.	
				SO), Alpha-(4-(1,1,3,3-
				/l)phenyl)-omega-hydroxypoly(oxy-1,2-
Class			9	
	ng group	:	Ű	
Labels		•	9	
EmS (•	F-A, S-F	
	e pollutant	÷	ves	
	•			POL 72/79 and the IPC Code
		-		RPOL 73/78 and the IBC Code
•	oplicable for product as	sup	piled.	
inatio	nal Regulations			
ADG				
UN nu		:	UN 3082	
Proper shipping name	:	ENVIRONMEN N.O.S.	TALLY HAZARDOUS SUBSTANCE, LIQUI	
			(deltamethrin (SO), Alpha-(4-(1,1,3,3-
			Tetramethylbuty ethanediyl))	/l)phenyl)-omega-hydroxypoly(oxy-1,2-
Class		:	9	
	ng group	:	III .	
Labels		:	9	
مام – ما ا	em Code	:	•3Z	
Hazer				

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture





Versio 3.6	on Revision Date: 06.04.2024		DS Number: 59907-00016		of last issue: 03.11.2023 of first issue: 25.04.2017		
	Therapeutic Goods (Poiso Standard) Instrument	ins :	,	pecific co	the original publication to check for onditions or threshold limits that might		
F	Prohibition/Licensing Req	uireme	nts	:	There is no applicable prohibition, authorisation and restricted use requirements, including for carcino- gens referred to in Schedule 10 of the model WHS Act and Regula- tions.		
The components of this product are reported in the following inventories:							
A	AICS	:	not determined				
۵	DSL	:	not determined				
I	ECSC	:	not determined				

SECTION 16: ANY OTHER RELEVANT INFORMATION

Further information

Revision Date Sources of key data used to compile the Safety Data Sheet	:	06.04.2024 Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/
Date format	:	dd.mm.yyyy

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 Develop-

SAFETY DATA SHEET



Deltamethrin Liquid Formulation

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ment; 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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