



Version 1.4	Revision Date: 06.04.2024		S Number: 352999-00005	Date of last issue: 27.11.2023 Date of first issue: 15.09.2022
	N 1: IDENTIFICATION	:	Abamectin (0.6%	6) Liquid Formulation
Othe	er means of identification	:	COOPERS MAV	ERICK POUR ON FOR SHEEP (61710)
	u facturer or supplier's o npany	deta :		a Pty Limited (trading as MSD Animal Health)
Add	ress	:	91-105 Harpin S Bendigo 3550, \	treet /ictoria Austrailia
Tele	phone	:	1 800 033 461	
Eme	ergency telephone numbe	er :	Poisons Informa	tion Centre: Phone 13 11 26
E-m	ail address	:	EHSDATASTEW	/ARD@msd.com
Rec	ommended use of the c	hem	ical and restriction	ons on use
Rec	ommended use	:	Veterinary produ	ict

Recommended use	•	veterinary produ
Restrictions on use	:	Not applicable

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification		
Acute toxicity (Inhalation)	:	Category 4
Serious eye damage/eye irri- tation	:	Category 2A
Specific target organ toxicity - repeated exposure	:	Category 2 (Central nervous system)
GHS label elements		
Hazard pictograms	:	
Signal word	:	Warning
Hazard statements	:	H319 Causes serious eye irritation. H332 Harmful if inhaled. H373 May cause damage to organs (Central nervous system) through prolonged or repeated exposure.
Precautionary statements	:	Prevention:



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P260 Do not breathe mist or vapours.P264 Wash skin thoroughly after handling.P271 Use only outdoors or in a well-ventilated area.P280 Wear eye protection/ face protection.

Response:

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 Get medical advice/ attention if you feel unwell. P337 + P313 If eye irritation persists: Get medical advice/ attention.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Polyalkylene oxide derivative of a synthetic	103818-93-5	>= 30 -< 60
alcohol		
Propylene glycol	57-55-6	>= 10 -< 30
abamectin (combination of avermectin B1a and	71751-41-2	>= 0.5 -< 1
avermectin B1b) (ISO)		
1-[1,3-Bis(hydroxymethyl)-2,5-	78491-02-8	< 1
dioxoimidazolidin-4-yl]-1,3-		
bis(hydroxymethyl)urea		

SECTION 4. FIRST AID MEASURES

General advice	In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical	
If inhaled	advice. 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.	





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				Get medical atten Wash clothing bet	fore reuse.			
	In case o	f eye contact	:	Thoroughly clean shoes before reuse. 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.				
	If swallow	ved	:	Get medical attention. : If swallowed, DO NOT induce vomiting. Get medical attention.				
		ortant symptoms ts, both acute and	:	Rinse mouth thoroughly with water. Causes serious eye irritation. Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure.				
	Protection	n 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 symptomati	cally and supportively.			
SEC	TION 5. F	FIREFIGHTING MEA	SU	RES				
	Suitable e	extinguishing media	:	Water spray Alcohol-resistant to Carbon dioxide (C Dry chemical				
	Unsuitabl media	le extinguishing	:	None known.				
		nazards during fire-	:	Exposure to comb	pustion products may be a hazard to health.			
	Hazardou ucts	us combustion prod-	:	Carbon oxides				
	Specific e ods	extinguishing meth-	:	cumstances and t Use water spray t	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			
	Special p for firefigh Hazchem		:		e, wear self-contained breathing apparatus. ective equipment.			

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective 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.



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			Local authorities cannot be contair	should be advised if significant spillages ned.
	ods and materials for inment and cleaning up	:	For large spills, p ment to keep mat be pumped, store Clean up remaini bent. Local or national posal of this mate employed in the o mine which regula Sections 13 and	t absorbent material. rovide dyking or other appropriate contain- erial from spreading. If dyked material can a recovered material in appropriate container ng materials from spill with suitable absor- regulations may apply to releases and dis- erial, as well as those materials and items cleanup of releases. You will need to deter- ations are applicable. 15 of this SDS provide information regarding ational requirements.
	7. HANDLING AND ST	OR		
Tech	nical measures	:		measures under EXPOSURE
Local	/Total ventilation	:	If sufficient ventila ventilation.	ation is unavailable, use with local exhaust
Advic	e on safe handling	:	Do not get on skii Do not breathe m Do not swallow. Do not get in eye Wash skin thorou Handle in accord practice, based o sessment Keep container tig	ist or vapours. s. ghly after handling. ance with good industrial hygiene and safety n the results of the workplace exposure as-
Hygie	ene measures	:	If exposure to che	emical is likely during typical use, provide ey and safety showers close to the working

Materials to avoid	 Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. Do not store with the following product types: Strong oxidizing agents 4 / 20
Conditions for safe storage	 Number of a description of a facility showers close to the working place. When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. 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. Keep in properly labelled containers.



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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
Propylene glycol	57-55-6	TWA (partic- ulate)	10 mg/m3	AU OEL
		TWA (Total (vapour and particles))	150 ppm 474 mg/m3	AU OEL
abamectin (combination of avermectin B1a and avermec- tin B1b) (ISO)	71751-41-2	TWA	15 μg/m3 (OEB 3)	Internal
		Wipe limit	150 µg/100 cm ²	Internal

Engineering measures	:	Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., drip- less 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 are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face con- tainment devices). Minimize open handling.
Personal protective equipme	nt	
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
Material	:	Chemical-resistant gloves
Remarks Eye protection	:	Consider double gloving. Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.
Skin and body protection	:	Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, dis- posable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially
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contaminated clothing.

	contaminated clothing.						
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES							
:	liquid						
:	clear						
	dark blue						
:	No data available						
:	No data available						
:	No data available						
:	No data available						
:	No data available						
:	No data available						
:	No data available						
:	Not applicable						
:	No data available						
:	No data available						
:	No data available						
:	No data available						
:	No data available						
:	No data available						
:	No data available						
:	No data available						
:	Not applicable						
:	No data available						
:	No data available						





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	Viscosity, kinematic	:	No data available	9
Exp	losive properties	:	Not explosive	
Oxi	dizing properties	:	The substance o	r mixture is not classified as oxidizing.
Мо	ecular weight	:	No data available	e
	ticle characteristics ticle size	:	Not applicable	
SECTIO	N 10. STABILITY AND RE	EAC	ΤΙVITY	
Che	activity emical stability sibility of hazardous reac-	:	Stable under nor	a reactivity hazard. mal conditions. rong oxidizing agents.

•	Carried with strong oxidizing agents.
:	None known.
:	Oxidizing agents
:	No hazardous decomposition products are known.
	:

SECTION 11. TOXICOLOGICAL INFORMATION

Exposure routes	:	Inhalation Skin contact Ingestion Eye contact
Acute toxicity		
Harmful if inhaled.		
Product:		
Acute oral toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: 3.83 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method
Components:		
Propylene glycol:		
Acute oral toxicity	:	LD50 (Rat): 22,000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 44.9 mg/l



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			xposure time: 4	
Acute	e dermal toxicity	A	D50 (Rabbit): > ssessment: Th oxicity	 2,000 mg/kg e substance or mixture has no acute derma
abam	ectin (combination o	of averm	ectin B1a and	avermectin B1b) (ISO):
	e oral toxicity		D50 (Rat): 24 r	
		L	D50 (Mouse): [·]	I0 mg/kg
			DLo (Monkey): ymptoms: Dila	24 mg/kg ation of the pupil
Acute	e inhalation toxicity	E	C50 (Rat): 0.02 xposure time: 4 est atmosphere	4 h
Acute	e dermal toxicity	: L	D50 (Rat): 330	mg/kg
		L	D50 (Rabbit): 2	2,000 mg/kg
1-[1.3	3-Bis(hvdroxvmethvl)-2.5-dio	xoimidazolidi	n-4-yl]-1,3-bis(hydroxymethyl)urea:
	e oral toxicity	: L	D50 (Rat): > 2, lethod: OPPTS	000 mg/kg
Acute	e dermal toxicity	N A	D50 (Rabbit): > lethod: OPPTS ssessment: Th pxicity	
-	corrosion/irritation	ilable inf	ormation	
	ponents:		ormation	
	alkylene oxide deriva	tive of a	synthetic alc	ohol:
Speci Metho	ies	: re	 reconstructed human epidermis (RhE) OECD Test Guideline 439 	
Resu	lt	: N	lo skin irritation	
Prop	ylene glycol:			
Spec			abbit ECD Test Gui	

abamectin (combination of avermectin B1a and avermectin B1b) (ISO):





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Spe		: Rabbit		
Res	ult	: No ski	n irritation	
1-[1,	,3-Bis(hydroxymethyl)-2,5-dioxoim	idazolidir	n-4-yl]-1,3-bis(hydroxymethyl)urea:
Spe		: Rabbit		
Res	ult	: No ski	n irritation	
Seri	ous eye damage/eye	irritation		
	ses serious eye irritatio			
<u>Con</u>	ponents:			
Poly	alkylene oxide deriva	tive of a synt	thetic alco	ohol:
Spe			e cornea	
Meth	nod	: OECD	Test Guid	deline 437
Res	ult	: Irritatio	on to eyes	, reversing within 21 days
Prop	oylene glycol:			
Spe		: Rabbit		
Res			e irritation	
Meth	100	: OECD	lest Guid	deline 405
abaı	mectin (combination	of avermectin	B1a and	avermectin B1b) (ISO):
Spe		: Rabbit		
Res	ult	: Mild ey	e irritatior	1
1-[1,	,3-Bis(hydroxymethyl)-2,5-dioxoim	idazolidir	n-4-yl]-1,3-bis(hydroxymethyl)urea:
Spe		: Rabbit		
Res				, reversing within 21 days
Res	piratory or skin sensi	tisation		
Skin	sensitisation			
Not	classified based on ava	ailable informa	tion.	
	piratory sensitisation			
Not	classified based on ava	ailable informa	tion.	
<u>Con</u>	<u>iponents:</u>			
Prop	oylene glycol:			
	Туре		isation Te	st
Expo Speo	osure routes	: Skin c : Guinea		
Res		: negativ		
		- 3		





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abam	ectin (combination	of avermectin B1a and	l avermectin B1b) (ISO):
Test 7	Гуре	: Maximisation Te	est
Expos	sure routes	: Skin contact	
Resul	lt	: Not a skin sensi	itizer.
1-[1,3	-Bis(hydroxymethy	l)-2,5-dioxoimidazolidi	n-4-yl]-1,3-bis(hydroxymethyl)urea:
Test T	Гуре	: Human repeat i	nsult patch test (HRIPT)
Expos	sure routes	: Skin contact	
Resu	lt	: positive	
Asses	ssment	: Probability or ev	vidence of skin sensitisation in humans
Chro	nic toxicity		
	cell mutagenicity		
Not cl	assified based on av	ailable information.	
<u>Com</u>	oonents:		
	ylene glycol:		
Geno	toxicity in vitro	: Test Type: Bact Result: negative	erial reverse mutation assay (AMES)
			omosome aberration test in vitro Test Guideline 473 e
Geno	toxicity in vivo	cytogenetic ass	
		Species: Mouse	
		Application Rou Result: negative	te: Intraperitoneal injection
abam	ectin (combination	of avermectin B1a and	l avermectin B1b) (ISO):
Geno	toxicity in vitro	: Test Type: Bact Result: negative	erial reverse mutation assay (AMES)
			tro mammalian cell gene mutation test ninese hamster lung cells e
		Test Type: Alka Result: negative	line elution assay
Geno	toxicity in vivo	cytogenetic test Species: Mouse	te: Intraperitoneal injection





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1-[1,3	-Bis(hydroxymethy	l)-2,5-dioxoimidazo	lidin-4-yl]-1,3-bis(hydroxymethyl)urea:
Genot	toxicity in vitro		Bacterial reverse mutation assay (AMES) CD Test Guideline 471 ative
			n vitro mammalian cell gene mutation test CD Test Guideline 476 tive
		Test Type: 0 Result: nega	Chromosome aberration test in vitro ative
			DNA damage and repair, unscheduled DNA syn- mmalian cells (in vitro) ative
Genot	toxicity in vivo	cytogenetic Species: Mo	ouse Route: Ingestion
		mammalian Species: Ra Application	Route: Ingestion CD Test Guideline 486
Carci	nogenicity		
	assified based on av	ailable information.	
	oonents:		
Specie Applic	ation Route	: Rat : Ingestion : 2 Years : negative	
abam	ectin (combination	of avermectin B1a	and avermectin B1b) (ISO):
	ation Route sure time	: Rat : Oral : 105 weeks	
Specie		: negative : Mouse	





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Not cl	oductive toxicity assified based on avai ponents:	lable information.	
	ylene glycol: is on fertility	Species: Mo	Route: Ingestion
Effect ment	s on foetal develop-	Species: Mo	Route: Ingestion
	ectin (combination o	: Test Type: I Species: Ra Application Result: Effe Test Type: ⁻ Species: Ra Application	at, male Route: Oral cts on fertility Two-generation reproduction toxicity study at Route: Oral vonic Development: NOAEL: 0.12 mg/kg body
Effect	s on foetal develop-	: Test Type: I Species: Mo Application General To: Developmen Result: Clef Remarks: A Test Type: I Species: Ra Application Developmen	Embryo-foetal development buse Route: Oral kicity Maternal: NOAEL: 0.05 mg/kg body weight htal Toxicity: NOAEL: 0.2 mg/kg body weight t palate dverse developmental effects were observed Embryo-foetal development abbit
		Test Type: I Species: Ra Application Developme	
Repro	oductive toxicity - As-	: Some evide	nce of adverse effects on sexual function and



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sessn	nent	ä		n animal experiments., Some evidence of on development, based on animal experi-
	-Bis(hydroxymethyl is on foetal develop-	: -	Test Type: Embi Species: Rat Application Rout Result: negative	-
		:	Test Type: Embi Species: Rat Application Rout Result: negative	
Not cl	- single exposure assified based on ava		formation.	
May c			itral nervous sys	stem) through prolonged or repeated exposure
	<u>oonents:</u>	-f	naatin Dda and	
Expos Targe	ectin (combination of sure routes et Organs ssment	: : (: (ngestion Central nervous	avermectin B1b) (ISO): system to organs through prolonged or repeated
Repe	ated dose toxicity			
<u>Comp</u>	oonents:			
Speci NOAE Applic		: :	Rat, male >= 1,700 mg/kg ngestion 2 yr	

abamectin (combination of avermectin B1a and avermectin B1b) (ISO):

Species NOAEL Application Route Exposure time Target Organs Symptoms		Rat 1.5 mg/kg Oral 24 Months Central nervous system Tremors, ataxia
Species NOAEL Application Route	:	Mouse 4.0 mg/kg Oral



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Expo	sure time	: 24 Months						
	et Organs	: Central nervous : Tremors, ataxia	system					
Speci		: Dog						
NOAE LOAE		: 0.25 mg/kg						
-	cation Route	: 0.5 mg/kg : Oral						
	sure time	: 53 Weeks						
	et Organs	: Central nervous	system					
Symp		: Tremors, weight						
Rema	arks	: mortality observ	ed					
Speci	ies	: Monkey						
NOA		: 1.0 mg/kg						
	cation Route	: Oral						
	sure time	: 14 Weeks						
large	et Organs	: Central nervous	system					
1-[1,3	3-Bis(hydroxymethyl)-2,5-dioxoimidazolidi	n-4-yl]-1,3-bis(hydroxymethyl)urea:					
Speci		: Rat						
NOA		: 200 mg/kg						
	cation Route	: Ingestion : 92 Days						
Expo	sure time	. 92 Days						
•	ration toxicity							
	lassified based on ava							
Expe	rience with human e	exposure						
Com	ponents:							
	•		avermectin B1b) (ISO):					
Inges	tion		r cause, Tremors, Diarrhoea, central nervous Salivation, tearing					
ECTION	12. ECOLOGICAL IN	FORMATION						
Ecoto	oxicity							
Com	ponents:							
Polya	alkylene oxide deriva	ative of a synthetic alc	ohol:					
-	ity to fish	: LC50 : > 1 - 10 i						
	-		Exposure time: 96 h					

		Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 3.2 mg/l Exposure time: 48 h Method: OECD Test Guideline 202



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-	ylene glycol: ity to fish	:	LC50 (Oncorhyno Exposure time: 90	chus mykiss (rainbow trout)): 40,613 mg/l 5 h
	ity to daphnia and other tic invertebrates	:	EC50 (Ceriodaphnia dubia (water flea)): 18,340 mg/l Exposure time: 48 h	
Toxic plants	ity to algae/aquatic S	:	ErC50 (Skeletonema costatum (marine diatom)): 19,300 mg Exposure time: 72 h Method: OECD Test Guideline 201	
	ity to daphnia and other tic invertebrates (Chron-	:	NOEC (Ceriodap Exposure time: 7	hnia dubia (water flea)): 13,020 mg/l d
	ity to microorganisms	:	NOEC (Pseudom Exposure time: 18	onas putida): > 20,000 mg/l 3 h
	nectin (combination of a	ave		
Toxic	Toxicity to fish		LC50 (Oncorhyno Exposure time: 90	chus mykiss (rainbow trout)): 3.2 μg/l δ h
			LC50 (Lepomis m Exposure time: 90	nacrochirus (Bluegill sunfish)): 9.6 μg/l 5 h
			LC50 (Ictalurus p Exposure time: 90	unctatus (channel catfish)): 24 μg/l δ h
			LC50 (Cyprinus o Exposure time: 90	arpio (Carp)): 42 μg/l δ h
			LC50 (Cyprinodo Exposure time: 90	n variegatus (sheepshead minnow)): 15 μg/l δ h
	ity to daphnia and other tic invertebrates	:	EC50 (Americam Exposure time: 90	
			EC50 (Daphnia m Exposure time: 44	nagna (Water flea)): 0.34 μg/l 3 h
Toxic plants	ity to algae/aquatic s	:	: EC50 (Pseudokirchneriella subcapitata (green algae)): 1 mg/l Exposure time: 72 h	
Toxic icity)	ity to fish (Chronic tox-	:	: NOEC (Pimephales promelas (fathead minnow)): 0.52 µg/ Exposure time: 32 d	
aquat	ity to daphnia and other tic invertebrates (Chron-	:	NOEC (Daphnia Exposure time: 2	magna (Water flea)): 0.03 μg/l 1 d
IC TOX	ic toxicity)		NOEC (Mysidops Exposure time: 28	is bahia (opossum shrimp)): 0.0035 μg/l 3 d
			Exposure time: 20	bu





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Toxici	ity to microorganisms	:	EC50: > 1,000 m Exposure time: 3 Test Type: Respi	ĥ
1-[1,3	-Bis(hydroxymethyl)-2	2,5-0	lioxoimidazolidin	-4-yl]-1,3-bis(hydroxymethyl)urea:
Toxici	ity to fish	:	LC50 (Lepomis n Exposure time: 9	nacrochirus (Bluegill sunfish)): > 67 mg/l 6 h
	ity to daphnia and other ic invertebrates	:	EC50 (Daphnia r Exposure time: 4	nagna (Water flea)): 58 mg/l 8 h
Toxici plants	ity to algae/aquatic	:	mg/l Exposure time: 7	irchneriella subcapitata (green algae)): 5.78 2 h ion (EC) No. 440/2008, Annex, C.3
			mg/l Exposure time: 7	irchneriella subcapitata (green algae)): 1.6 2 h ion (EC) No. 440/2008, Annex, C.3
Toxici	ity to microorganisms	:	Exposure time: 3	sludge): 567 mg/l h Fest Guideline 209
Persi	stence and degradabil	ity		
<u>Com</u> r	oonents:			
Polya	alkylene oxide derivativ	ve o	f a synthetic alco	bhol:
Biode	gradability	:	Result: Readily b Remarks: Based	iodegradable. on data from similar materials
Propy	ylene glycol:			
Biode	gradability	:	Result: Readily b Biodegradation: Exposure time: 2 Method: OECD 1	98.3 %
abam	ectin (combination of	ave	rmectin B1a and	avermectin B1b) (ISO):
	ity in water	:	Hydrolysis: 50 %	
1-[1,3	B-Bis(hydroxymethyl)-2	2,5-0	lioxoimidazolidin	-4-yl]-1,3-bis(hydroxymethyl)urea:
	gradability	:	Result: Not readi Biodegradation: Exposure time: 2	ly biodegradable. 24 %



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	Bioaccumulative potential				
<u>C</u>	components:				
	ropylene glycol:				
	Partition coefficient: n- ctanol/water	:	log Pow: -1.07 Method: Regulati	on (EC) No. 440/2008, Annex, A.8	
а	bamectin (combination of	ave	rmectin B1a and a	avermectin B1b) (ISO):	
В	Bioaccumulation	:	Bioconcentration	factor (BCF): 52	
	Partition coefficient: n- ctanol/water	:	log Pow: 4		
1	-[1,3-Bis(hydroxymethyl)-	2,5-0	dioxoimidazolidin	-4-yl]-1,3-bis(hydroxymethyl)urea:	
-	artition coefficient: n- ctanol/water	:	log Pow: < 0.9 Method: OECD T	est Guideline 117	
N	lobility in soil				
<u>C</u>	components:				
a	bamectin (combination of	ave	rmectin B1a and a	avermectin B1b) (ISO):	
	Distribution among environ- nental compartments	:	log Koc: > 3.6		
C	Other adverse effects				
N	lo data available				
SECT	ION 13. DISPOSAL CONSI	DEF	RATIONS		
D)isposal methods				
	Vaste from residues	:	Do not dispose of	f waste into sewer.	
C	Contaminated packaging	:	Empty containers dling site for recy	ordance with local regulations. s should be taken to an approved waste han-	
SECT	ION 14. TRANSPORT INFO	DRM	ATION		
Ir	nternational Regulations				
	INRTDG				
U	IN number	:	UN 3082		
P	roper shipping name	:	N.O.S.	ALLY HAZARDOUS SUBSTANCE, LIQUID,	
			(abamectin (com B1b) (ISO))	bination of avermectin B1a and avermectin	
P	Class Packing group abels	:	9 9		





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	Enviror	nmentally hazardous	:	no	
	IATA-E UN/ID Proper	••••	:		nazardous substance, liquid, n.o.s. bination of avermectin B1a and avermectin
	Labels Packing aircraft	g instruction (passen-	:	9 III Miscellaneous 964 964	
	IMDG- UN nur	Code	:	N.O.S. (abamectin (comb	ALLY HAZARDOUS SUBSTANCE, LIQUID,
	Labels EmS C	g group ode pollutant	::	B1b) (ISO)) 9 III 9 F-A, S-F yes	
Transport in bulk according to Anne Not applicable for product as supplied.					OL 73/78 and the IBC Code
		al Regulations	[-]		
	ADG UN nur Proper	nber shipping name	:	N.O.S. (abamectin (com	ALLY HAZARDOUS SUBSTANCE, LIQUID, bination of avermectin B1a and avermectin
	Labels Hazche	g group em Code nmentally hazardous	:	B1b) (ISO)) 9 III 9 •3Z no	

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/legislation specific for the substance or mixture



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	apeutic Goods (Poisons dard) Instrument	:		ecific co	the original publication to check for onditions or threshold limits that might
Prohibition/Licensing Requirements		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 pro	odu	ct are reported in	the fol	lowing inventories:
AICS	5	:	not determined		
DSL		:	not determined		
IECS	SC	:	not determined		

SECTION 16: ANY OTHER RELEVANT 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 abbreviatio	ns	
AU OEL	:	Australia. Workplace Exposure Standards for Airborne Con- taminants.

AU OEL / TWA : Exposure standard - time weighted average

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



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Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

AU / EN