

Abamectin (0.6%) Liquid Formulation

Vers 1.1./		Revision Date: 04.04.2023		S Number: 52999-00002	Date of last issue: 15.09.2022 Date of first issue: 15.09.2022	
SEC	TION 1	. PRODUCT AND COI	MPA	NY IDENTIFICAT	ION	
	Product name		:	COOPERS MAVERICK POUR-ON FOR SHEEP (APVMA 61710) Abamectin (0.6%) Liquid Formulation		
	Manuf	acturer or supplier's o	deta	ils		
	Compa	iny	:	Intervet Australia ABN 79 008 467	Pty Limited (trading as MSD Animal Health - 034	
	Addres	S	:	91-105 Harpin St Bendigo 3550, V		
	Teleph	one	:	1 800 033 461		
	Emerg	ency telephone numbe	• :	Poisons Informat Australia	ion Centre: Phone 13 11 26 from anywhere in	
	E-mail	address	:	EHSDATASTEW	/ARD@msd.com	
	Recom	mended use of the c	hem	ical and restriction	ons on use	
		mended use	:			
	Restric	tions 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: P260 Do not breathe mist or vapours.
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		P271 Use only	in thoroughly after handling. outdoors or in a well-ventilated area. protection/face protection.
		and keep comf doctor if you fe P305 + P351 + for several min easy to do. Co P314 Get med	P338 IF IN EYES: Rinse cautiously with water utes. Remove contact lenses, if present and
		Disposal: P501 Dispose disposal plant.	of contents/ container to an approved waste
••	e r hazards which do e known.	not result in classifica	tion
SECTION	13. COMPOSITION/I	NFORMATION ON ING	REDIENTS
Subs	tance / Mixture	: Mixture	
Com	ponents		

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

SECTION 4. FIRST AID MEASURES

General advice	vice immedia	f accident or if you feel unwell, seek medical ad- ately. oms persist or in all cases of doubt seek medical
lf inhaled	If not breathi	nove to fresh air. ng, give artificial respiration. s difficult, give oxygen. attention.
In case of skin contact	of water. Remove con Get medical Wash clothir	ntact, immediately flush skin with soap and plenty taminated clothing and shoes. attention. g before reuse. lean shoes before reuse.



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In cas	se of eye contact	:	for at least 15 m	move contact lens, if worn.		
lf swa	If swallowed Most important symptoms and effects, both acute and delayed		: If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.			
and e			Causes serious Harmful if inhale	eye irritation.		
	ction of first-aiders	:	First Aid respon and use the reco when the potent	ders should pay attention to self-protection, ommended personal protective equipment tial for exposure exists (see section 8).		
Notes	s to physician	:	Treat symptoma	atically and supportively.		

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media		Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical None known.
media	•	
Specific hazards during fire- fighting	:	Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides
Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment for firefighters Hazchem Code	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. •3Z

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. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for : containment and cleaning up	Soak up with inert absorbent material. For large spills, provide dyking or other appropriate contain-





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		ment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absor- bent. Local or national regulations may apply to releases and dis- posal of this material, as well as those materials and items employed in the cleanup of releases. You will need to deter- mine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.			
SECTION	7. HANDLING AND S	TORAGE			
Techn	ical measures		ering measures under EXPOSURE /PERSONAL PROTECTION section.		
Local/	Total ventilation		ventilation is unavailable, use with local exhaust		
Advice on safe handling		: Do not get o Do not brea Do not swa Do not get i Wash skin t Handle in ac practice, ba sessment Keep conta	n eyes. horoughly after handling. cordance with good industrial hygiene and safety sed on the results of the workplace exposure as- ner tightly closed. o prevent spills, waste and minimize release to the		
Hygie	ne measures	: If exposure flushing sys place. When using	to chemical is likely during typical use, provide eye tems and safety showers close to the working do not eat, drink or smoke. ed work clothing should not be allowed out of the		

Keep in a cool, well-ventilated place.Store in accordance with the particular national regulations.Materials to avoid: Do not store with the following product types:

workplace.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

:

Components with workplace control parameters

Conditions for safe storage

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
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use of administrative controls. Keep in properly labelled containers.

Keep tightly closed.

Strong oxidizing agents

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





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Propy	/lene glycol	57-55-6	TWA (partic- ulate)	10 mg/m3	AU OEL
			TWA (Total (vapour and particles))	150 ppm 474 mg/m3	AUOEL
avern	ectin (combination of nectin B1a and avermec b) (ISO)	71751-41-2	TWA	15 µg/m3 (OEB 3)	Internal
			Wipe limit	150 µg/100 cm ²	Internal
		design and op protect produ Containment are required t	ig controls shou perated in accor cts, workers, an technologies su o control at sou d to uncontrolled ices).	ld be implemented by dance with GMP prin d the environment. itable for controlling c rce and to prevent mi d areas (e.g., open-fa	ciples to compounds gration of
Perso	onal protective equipm	ent			
Resp	iratory protection	: If adequate local exhaust ventilation is not available or ex sure assessment demonstrates exposures outside the re ommended guidelines, use respiratory protection.			
	ter type protection	: Particulates ty			
Ma	aterial	: Chemical-res	istant gloves		
	emarks protection	If the work en mists or aeros Wear a faces	glasses with side vironment or ac sols, wear the a hield or other fu	e shields or goggles. tivity involves dusty c opropriate goggles. Il face protection if the the face with dusts, m	ere is a
Skin a	and body protection	: Work uniform Additional boo task being pe posable suits	rformed (e.g., sl) to avoid expos ate degowning t	bat. buld be used based u leevelets, apron, gau ed skin surfaces. echniques to remove	ntlets, dis-

SECTION 9. PHYSICAL A	ND CHEMICAL PROPERTIES
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Appearance	:	liquid
Colour	:	clear
		dark blue
Odour	:	No data available



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	Odour ⁻	Threshold	:	No data available	9
	рН		:	No data available	9
	Melting	point/freezing point	:	No data available	9
	Initial b range	oiling point and boiling	:	No data available	9
	Flash p	oint	:	No data available	9
	Evapor	ation rate	:	No data available	9
	Flamma	ability (solid, gas)	:	Not applicable	
	Flamma	ability (liquids)	:	No data available	9
		explosion limit / Upper Ibility limit	:	No data available	9
		explosion limit / Lower Ibility limit	:	No data available	9
	Vapour	pressure	:	No data available	9
	Relative	e vapour density	:	No data available	9
	Relative	e density	:	No data available	9
	Density	,	:	No data available	9
	Solubil Wat	ity(ies) er solubility	:	No data available	9
	Partitio octano	n coefficient: n-	:	Not applicable	
		nition temperature	:	No data available	9
	Decom	position temperature	:	No data available	9
	Viscos Visc	ity osity, kinematic	:	No data available	9
	Explos	iveproperties	:	Not explosive	
	Oxidizii	ng properties	:	The substance o	r mixture is not classified as oxidizing.
	Molecu	lar weight	:	No data available	9
	Particle	size	:	Not applicable	

SECTION 10. STABILITY AND REACTIVITY





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Reactivity Chemical stabi Possibility of hat tions Conditions to a Incompatible n	azardous reac-	: : : : : : : : : : : : : : : : : : : :	Stable under nor	a reactivity hazard. mal conditions. rong oxidizing agents.
Hazardous dec products		:		composition products are known.
SECTION 11. TOX	ICOLOGICAL IN	NFC	ORMATION	
Exposure route	es	:	Inhalation Skin contact Ingestion Eye contact	
Acute toxicity Harmful if inha				
Product:				
Acute oral toxic	city	:	Acute toxicity esti Method: Calculati	mate: > 2,000 mg/kg on method
Acute inhalatio	on toxicity	:	Acute toxicity esti Exposure time: 4 Test atmosphere: Method: Calculati	h dust/mist
Acute dermal t	oxicity	:	Acute toxicity esti Method: Calculati	mate: > 2,000 mg/kg on method
Components:	1			
Propylene gly	/col:			
Acute oral toxi	city	:	LD50 (Rat): 22,00	0 mg/kg
Acute inhalatio	on toxicity		LC50 (Rat): > 44.9 Exposure time: 4 Test atmosphere:	h
Acute dermal t	oxicity		LD50 (Rabbit): > 2 Assessment: The toxicity	2,000 mg/kg substance or mixture has no acute dermal
abamectin (cc Acute oral toxic			mectin B1a and a LD50 (Rat): 24 mg	avermectin B1b) (ISO): g/kg
			LD50 (Mouse): 10) mg/kg
			LDLo (Monkey): 2 Symptoms: Dilata	
Acute inhalatio	on toxicity		LC50 (Rat): 0.023 Exposure time: 4	



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			Test atmosphere	: dust/mist
Acute	dermal toxicity	:	LD50 (Rat): 330 r	ng/kg
			LD50 (Rabbit): 2,	,000 mg/kg
	-Bis(hydroxymethyl)- oral toxicity	2,5- :		00
Acute	dermal toxicity	:	LD50 (Rabbit): > Method: OPPTS Assessment: The toxicity	
-	corrosion/irritation assified based on avail	able	e information.	
<u>Comp</u>	oonents:			
-	Ikylene oxide derivati	ve	of a synthetic alco	phol:
Speci Metho		:	reconstructed hu OECD Test Guid	man epidermis (RhE) eline 439
Result	t	:	No skin irritation	
Propy	/lene glycol:			
Speci		:	Rabbit	
Metho Result		:	OECD Test Guid No skin irritation	eline 404
abam	ectin (combination of	ave	ermectin B1a and	avermectin B1b) (ISO):
Speci		:	Rabbit	
Result	t	:	No skin irritation	
1-[1,3	-Bis(hydroxymethyl)-	2,5-	dioxoimidazolidin	-4-yl]-1,3-bis(hydroxymethyl)urea:
Speci		:	Rabbit	
Result	t	:	No skin irritation	
	us eye damage/eye ir es serious eye irritation		ion	
	oonents:	-		
Polya	Ikylene oxide derivati	ve	of a synthetic alco	bhol:
Speci		:	Bovine cornea	
Metho	od	:	OECD Test Guid	eline 437
Result	t	:	Irritation to eyes,	reversing within 21 days



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Propy Speci Resul Metho	t	 Rabbit No eye irritation OECD Test Guideline 405
abam Speci Resul	es	of avermectin B1a and avermectin B1b) (ISO): : Rabbit : Mild eye irritation
1-[1,3 Speci Resul	es)-2,5-dioxoimidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea: Rabbit Irritation to eyes, reversing within 21 days
Skin	iratory or skin sensi sensitisation lassified based on ava	
-	iratory sensitisation lassified based on ava	
<u>Com</u>	<u>ponents:</u>	
Test T	sure routes les	 Maximisation Test Skin contact Guinea pig negative
abam	ectin (combination	of avermectin B1a and avermectin B1b) (ISO):
Test T	Type sure routes	 Maximisation Test Skin contact Not a skin sensitizer.
Test T	Type sure routes)-2,5-dioxoimidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea: Human repeat insult patch test (HRIPT) Skin contact positive
Asses	ssment	: Probability or evidence of skin sensitisation in humans
Chroi	nic toxicity	
	a cell mutagenicity lassified based on ava	ailable information.
<u>Com</u>	oonents:	
	ylene glycol: toxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Result: negative





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		Test Type: Chromosome aberration test in vitro Method: OECD Test Guideline 473 Result: negative						
Genot	toxicity in vivo	: Test Type: Mammalian erythrocyte micronucleus test (in viv cytogenetic assay) Species: Mouse Application Route: Intraperitoneal injection Result: negative						
	abamectin (combination of avermectin B1a and avermectin B1b) (ISO): Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative							
		Test Type: In vitro mammalian cell gene mutation test Test system: Chinese hamster lung cells Result: negative						
		Test Type: Alkaline elution assay Result: negative						
Genot	toxicity in vivo	: Test Type: Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis) Species: Mouse Application Route: Intraperitoneal injection Result: negative						
-	-Bis(hydroxymethy toxicity in vitro	 -2,5-dioxoimidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea: Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative 						
		Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: positive						
		Test Type: Chromosome aberration test in vitro Result: negative						
		Test Type: DNA damage and repair, unscheduled DNA syn thesis in mammalian cells (in vitro) Result: negative						
Genot	toxicity in vivo	: Test Type: Mammalian erythrocyte micronucleus test (in viv cytogenetic assay) Species: Mouse Application Route: Ingestion Result: negative						
		Test Type: Unscheduled DNA synthesis (UDS) test with mammalian liver cells in vivo Species: Rat Application Route: Ingestion Method: OECD Test Guideline 486						
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ersion 1.AU	Revision Date: 04.04.2023	SDS Number: 10852999-00002	Date of last issue: 15.09.2022 Date of first issue: 15.09.2022
		Result: negativ	/e
	nogenicity lassified based on ava	ilable information	
	oonents:		
Prop	ylene glycol:		
Speci		: Rat	
	cation Route sure time	: Ingestion : 2 Years	
Result		: negative	
abam	ectin (combination o	of avermectin B1a ar	nd avermectin B1b) (ISO):
Speci		: Rat	
	cation Route sure time	: Oral : 105 weeks	
Result		: negative	
Speci	es	: Mouse	
	cation Route	: Oral : 93 weeks	
Result	sure time t	: negative	
<u>Comp</u> Propy	lassified based on ava <u>conents:</u> ylene glycol:		
Effect	s on fertility	: Test Type: Two Species: Mous Application Ro Result: negativ	ute: Ingestion
Effect	s on foetal develop-		bryo-foetal development
ment		Species: Mous Application Ro	
		Result: negativ	5
abam	ectin (combination o	of avermectin B1a ar	nd avermectin B1b) (ISO):
Effect	s on fertility	: Test Type: Fer	
		Species: Rat, ı Application Ro	
		Result: Effects	
		Species: Rat	o-generation reproduction toxicity study
		weight	ic Development: NOAEL: 0.12 mg/kg body
		Result: Fetoto	хісіту



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Effec ment	ts on foetal develop-	:	Test Type: Embryo-foetal development Species: Mouse Application Route: Oral General Toxicity Maternal: NOAEL: 0.05 mg/kg body weigh Developmental Toxicity: NOAEL: 0.2 mg/kg body weight Result: Cleft palate Remarks: Adverse developmental effects were observed Test Type: Embryo-foetal development Species: Rabbit Application Route: Oral Developmental Toxicity: LOAEL: 2 mg/kg body weight Result: Cleft palate, Teratogenic effects, Reduced embryo survival Remarks: Adverse developmental effects were observed Test Type: Development Species: Rat Application Route: Oral Developmental Toxicity: LOAEL: 1.6 mg/kg body weight	
Repro sessr	oductive toxicity - As- ment	:	fertility, based o	of adverse effects on sexual function and nanimal experiments., Some evidence of on development, based on animal experi-
1-[1,3	β-Bis(hydroxymethyl)∙	-2,5-	dioxoimidazolidi	n-4-yl]-1,3-bis(hydroxymethyl)urea:
Effec ment	ts on foetal develop-	:	Species: Rat Application Rou Result: negative Test Type: Emb	
STO	Γ - single exposure		Species: Rat Application Rou Result: negative	

Not classified based on available information.

STOT - repeated exposure

May cause damage to organs (Central nervous system) through prolonged or repeated exposure.

Components:

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

Exposure routes	:	Ingestion
Target Organs	:	Central nervous system
Assessment	:	Causes damage to organs through prolonged or repeated
		exposure.



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Repe	ated dose toxicity		
Com	ponents:		
Prop	ylene glycol:		
		: Rat, male : >= 1,700 mg : Ingestion : 2 yr	/kg
abarr	nectin (combination o	f avermectin B1a a	and avermectin B1b) (ISO):
Expo	EL cation Route sure time tt Organs	: Rat : 1.5 mg/kg : Oral : 24 Months : Central nervo : Tremors, ata	
Expo	EL cation Route sure time t Organs	: Mouse : 4.0 mg/kg : Oral : 24 Months : Central nervo : Tremors, ata	-
Expo	EL EL cation Route sure time of Organs otoms	: Dog : 0.25 mg/kg : 0.5 mg/kg : Oral : 53 Weeks : Central nervo : Tremors, wei : mortality obs	ght loss
Expo		: Monkey : 1.0 mg/kg : Oral : 14 Weeks : Central nervo	ous system
Spec NOAE Appli	ies	-2,5-dioxoimidazo : Rat : 200 mg/kg : Ingestion	lidin-4-yl]-1,3-bis(hydroxymethyl)urea:

Exposure time : 92 Days

Aspiration toxicity

Not classified based on available information.

Experience with human exposure

Components:

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



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Ingest	tion	: Symptoms: May cause, Tremors, Diarrhoea, central nervous system effects, Salivation, tearing					
ECTION	12. ECOLOGICAL INF	ORI	IATION				
Ecoto	oxicity						
<u>Comp</u>	oonents:						
-	I lkylene oxide derivati ty to fish	ve o :	LC50 : > 1 - 10 mg Exposure time: 96	g/l			
	ty to daphnia and other ic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te				
	/lene glycol: ty to fish	:	LC50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): 40,613 mg/l 3 h			
	ty to daphnia and other ic invertebrates	:	EC50 (Ceriodaphi Exposure time: 48	nia dubia (water flea)): 18,340 mg/l 3 h			
Toxici plants	ty to algae/aquatic	:	ErC50 (Skeletone Exposure time: 72 Method: OECD Te				
	ty to daphnia and other ic invertebrates (Chron-		NOEC (Ceriodaph Exposure time: 7 d	nnia dubia (water flea)): 13,020 mg/l d			
	ty to microorganisms	:	NOEC (Pseudomo Exposure time: 18	onas putida): > 20,000 mg/l 3 h			
	ectin (combination of ty to fish	ave :		avermectin B1b) (ISO): hus mykiss (rainbow trout)): 3.2 μg/l δ h			
			LC50 (Lepomis m Exposure time: 96	acrochirus (Bluegill sunfish)): 9.6 µg/l 3 h			
			LC50 (lctalurus pu Exposure time: 96	unctatus (channel catfish)): 24 µg/l 3 h			
			LC50 (Cyprinus ca Exposure time: 96	arpio (Carp)): 42 µg/l ≩h			
			LC50 (Cyprinodor Exposure time: 96	n variegatus (sheepshead minnow)): 15 μξ δ h			
	ty to daphnia and other ic invertebrates	:	EC50 (Americamy Exposure time: 96				





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			EC50 (Daphnia m Exposure time: 48	hagna (Water flea)): 0.34 μg/l 3 h
Toxici plants	ty to algae/aquatic	:	EC50 (Pseudokin mg/I Exposure time: 72	chneriella subcapitata (green algae)): 100 2 h
Toxici icity)	ty to fish (Chronic tox-	:	NOEC (Pimephal Exposure time: 32	es promelas (fathead minnow)): 0.52 μg/l 2 d
	ty to daphnia and other c invertebrates (Chron- city)		NOEC (Daphnia r Exposure time: 27	nagna (Water flea)): 0.03 µg/l I d
			NOEC (Mysidops Exposure time: 28	is bahia (opossum shrimp)): 0.0035 µg/l 3 d
Toxici	ty to microorganisms	:	EC50: > 1,000 mg Exposure time: 3 Test Type: Respi	ĥ
1-[1,3	-Bis(hydroxymethyl)-2	2,5-0	dioxoimidazolidin	-4-yl]-1,3-bis(hydroxymethyl)urea:
-	ty to fish	:		acrochirus (Bluegill sunfish)): > 67 mg/l
	ty to daphnia and other c invertebrates	:	EC50 (Daphnia magna (Water flea)): 58 mg/l Exposure time: 48 h	
Toxici plants	ty to algae/aquatic	:	ErC50 (Pseudoki mg/l Exposure time: 72	rchneriella subcapitata (green algae)): 5.78 2 h
				on (EC) No. 440/2008, Annex, C.3
			mg/l	rchneriella subcapitata (green algae)): 1.6
			Exposure time: 72 Method: Regulation	2 h on (EC) No. 440/2008, Annex, C.3
Toxici	ty to microorganisms	:	EC50 (activated s Exposure time: 3	h
			Method: OECD T	est Guideline 209
Persis	stence and degradabil	ity		
<u>Comp</u>	oonents:			
-	Ikylene oxide derivati gradability	ve c :	Result: Readily bi	
Drop	dono alveol:			
	rlene glycol: gradability	:	Result: Readily bi Biodegradation:	





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			Exposure time: 2 Method: OECD	28 d Test Guideline 301F		
abar	nectin (combination of	fave	ermectin B1a and	avermectin B1b) (ISO):		
	ility in water	:	Hydrolysis: 50 %(< 12 h)			
	1-[1,3-Bis(hydroxymethyl) Biodegradability		dioxoimidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea: Result: Not readily biodegradable. Biodegradation: 24 % Exposure time: 28 d Method: Directive 67/548/EEC Annex V, C.4.C.			
Bioa	accumulative potential					
Com	ponents:					
Parti	bylene glycol: tion coefficient: n- nol/water	:	log Pow: -1.07 Method: Regulat	tion (EC) No. 440/2008, Annex, A.8		
abar	nectin (combination of	fave	ermectin B1a and	avermectin B1b) (ISO):		
Bioa	ccumulation	:	Bioconcentration	n factor (BCF): 52		
	tion coefficient: n- nol/water	:	log Pow: 4			
1-[1,	3-Bis(hydroxymethyl)-	2,5-	dioxoimidazolidiı	1-4-yl]-1,3-bis(hydroxymethyl)urea:		
	tion coefficient: n- nol/water	:	log Pow: < 0.9 Method: OECD	Test Guideline 117		
Mob	ility in soil					
Com	ponents:					
Distr	abamectin (combination of avermectin B1a and avermectin B1b) (ISO): Distribution among environ- : log Koc: > 3.6 mental compartments					
	e r adverse effects lata available					
SECTION	SECTION 13. DISPOSAL CONSIDERATIONS					
Disn	osal methods					
-	te from residues	:		cordance with local regulations. of waste into sewer.		
Cant	a minata dina aka aina		Emphysenteiner	a abauld be teles to an annexed weate bar		



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SECTION	14. TRANSPORT INF	ORMATION				
Interi	national Regulations					
	FDG umber er shipping name	 : UN 3082 : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (abamectin (combination of avermectin B1a and avermectin) 				
Class Packing group Labels		B1b) (ISO)) 9 III 9				
IATA UN/IE Prope	- • • •	 UN 3082 Environmentally hazardous substance, liquid, n.o.s. (abamectin (combination of avermectin B1a and avermectin B1b) (ISO)) 				
Label Packi aircra Packi	ing group s ing instruction (cargo	: 9 : III : Miscellaneous : 964 - : 964				
IMDG UN ni	G-Code umber er shipping name	 UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (abamectin (combination of avermectin B1a and avermectin Data (1900) 				
Label EmS	ing group s	B1b) (ISO)) : 9 : III : 9 : F-A, S-F : yes				
	sport in bulk accordin pplicable for product a	ng to Annex II of MARPOL 73/78 and the IBC Code				
	nal Regulations					
	umber er shipping name	 UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (abamectin (combination of avermectin B1a and avermectin B1b) (100) 				
Class Packing group Labels Hazchem Code		B1b) (ISO)) : 9 : III : 9 : •3Z				



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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

Prohibition/Licensing Requirements

: There is no applicable prohibition, authorisation and restricted use requirements, including for carcinogens referred to in Schedule 10 of the model WHS Act and Regulations.

The components of this product are reported in the following inventories:

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

SECTION 16. OTHER INFORMATION

Further information				
Revision Date Sources of key data used to compile the Safety Data Sheet	:	04.04.2023 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				
AUOEL	:	Australia. Workplace Exposure Standards for Airborne Con- taminants.		
AU OEL / TWA	:	Exposure standard - time weighted average		

AllC - 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 Chemi-



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cal 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

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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