

according to the Hazardous Products Regulations

Albendazole / Closantel Sodium Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 04/24/2024
4.0	07/06/2024	10843097-00014	Date of first issue: 08/26/2022

SECTION 1. IDENTIFICATION

Product name	:	Albendazole / Closantel Sodium Formulation
Other means of identification	:	Closal (A005093)

Manufacturer or supplier's details

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 accord Skin sensitization	GHS classification in accordance with the Hazardous Products Regulations Skin sensitization : Sub-category 1B				
Reproductive toxicity	:	Category 2			
Specific target organ toxicity - single exposure (Oral)	:	Category 2 (Gastrointestinal tract, Central nervous system)			
Specific target organ toxicity - repeated exposure (Oral)	:	Category 2 (Gastrointestinal tract, Central nervous system, Im- mune system, Liver)			
GHS label elements					
Hazard pictograms	:				
Signal Word	:	Warning			
Hazard Statements	:	 H317 May cause an allergic skin reaction. H361d Suspected of damaging the unborn child. H371 May cause damage to organs (Gastrointestinal tract, Central nervous system) if swallowed. H373 May cause damage to organs (Gastrointestinal tract, Central nervous system, Immune system, Liver) through prolonged or repeated exposure if swallowed. 			
Precautionary Statements	:	Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read			



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		P264 Wash skin P270 Do not eat P272 Contamina the workplace.	eathe mist or vapors. thoroughly after handling. t, drink or smoke when using this product. ated work clothing should not be allowed out of ective gloves, protective clothing, eye protectior
		P308 + P311 IF P333 + P313 If s tion.	ON SKIN: Wash with plenty of water. exposed or concerned: Call a doctor. skin irritation or rash occurs: Get medical atten- ske off contaminated clothing and wash it before
		Storage: P405 Store lock	ed up.
		Disposal: P501 Dispose o disposal plant.	f contents and container to an approved waste
Other	hazards		

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

: Mixture

Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
Propylene glycol	1,2-Propanediol	57-55-6	20
Closantel	N-(5-Chloro-4- [(R,S)-(4- chloro- phe- nyl)cyanomethyl]-2- methylphenyl)- 2-hydroxy-3,5- diiodoben- zamide	57808-65-8	3.87
Albendazole Sulfoxide	No data availa- ble	54029-12-8	1.9

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





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If inhaled		:	advice. If inhaled, remove to fresh air. 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. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.				
In case of eye contact		:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.				
If swallowed		:	If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.				
	important symptoms effects, both acute and ved	:	May cause an alle Suspected of dan May cause dama	ergic skin reaction. haging the unborn child. ge to organs if swallowed. ge to organs through prolonged or repeated			
Prote	ection of first-aiders	:	First Aid responder and use the record	ers should pay attention to self-protection, nmended personal protective equipment Il for exposure exists (see section 8).			
Note	s to physician	:		cally and supportively.			

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
Specific hazards during fire fighting	:	Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides Nitrogen oxides (NOx) Sulfur oxides Chlorine compounds Iodine compounds Metal 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 fire-fighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- : Use personal protective equipment.



Versio 4.0	on	Revision Date: 07/06/2024		DS Number: 843097-00014	Date of last issue: 04/24/2024 Date of first issue: 08/26/2022	
tive equipment and emer- gency procedures			Follow safe handling advice (see section 7) and personal protective 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		:	For large spills, p containment to ke can be pumped, s container. Clean up remainin absorbent. Local or national disposal of this m employed in the c determine which Sections 13 and	t absorbent material. rovide diking or other appropriate eep material from spreading. If diked material store recovered material in appropriate ng materials from spill with suitable regulations may apply to releases and aterial, as well as those materials and items cleanup of releases. You will need to regulations are applicable. 15 of this SDS provide information regarding attional requirements.		

SECTION 7. HANDLING AND STORAGE

Technical measures	: See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation Advice on safe handling	 Use only with adequate ventilation. Do not get on skin or clothing. Do not breathe mist or vapors. Do not swallow. Avoid contact with eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the
Conditions for safe storage	environment. : Keep in properly labeled containers.
Conditions for sale storage	Store in accordance with the particular national regulations.
Materials to avoid	: Do not store with the following product types: Strong oxidizing agents Gases

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters



according to the Hazardous Products Regulations

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Com	ponents	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis			
Propy	ylene glycol	57-55-6	TWA (Va- pour and aerosols)	50 ppm 155 mg/m ³	CA ON OEL			
			TWA (aero- sol)	10 mg/m³	CA ON OEL			
Closa	antel	57808-65-8	TWA	>= 10 < 100 µg/m3 (OEB 3)	Internal			
Alber	ndazole Sulfoxide	54029-12-8	TWA	45 µg/m3 (OEB 3)	Internal			
		Further informa	ation: DSEN					
			Wipe limit	100 µg/100 cm2	Internal			
		 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 compoun 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						
	iratory protection	exposure asso recommended	essment demor d guidelines, us	tilation is not availab Istrates exposures ou e respiratory protectio	itside the			
	Iter type I protection	: Particulates ty	vpe					
М	aterial	: Chemical-resi	stant gloves					
	emarks protection	: Wear safety g If the work en mists or aeros Wear a facesł	 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 					
	and body protection	: Work uniform Additional boo task being per disposable su Use appropria contaminated	formed (e.g., sl its) to avoid exp ite degowning to clothing.	buld be used based u eevelets, apron, gau posed skin surfaces. echniques to remove	ntlets, potentially			
Hygie	ene measures	eye flushing s working place	contaminated clothing. 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.					



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			workplace. Wash contaminat The effective oper engineering contr appropriate degov	rk clothing should not be allowed out of the ed clothing before re-use. ration of a facility should include review of ols, proper personal protective equipment, whing and decontamination procedures, monitoring, medical surveillance and the tive controls.
SECTI	ON 9. PHYSICAL AND CHI	EMIC	CAL PROPERTIES	8
A	opearance	:	suspension, Aqu	eous solution
C	olor	:	white, off-white	
0	dor	:	odorless	
0	dor Threshold	:	No data available	9
pł	4	:	8.5 - 10.5	
М	elting point/freezing point	:	No data available	9
	itial boiling point and boiling nge	:	No data available	9
FI	ash point	:	No data available	9
E	vaporation rate	:	No data available	9
FI	ammability (solid, gas)	:	Not applicable	
FI	ammability (liquids)	:	No data available	9
	pper explosion limit / Upper ammability limit	:	No data available	9
	ower explosion limit / Lower ammability limit	:	No data available	9
Va	apor pressure	:	No data available	9
R	elative vapor density	:	No data available	9
R	elative density	:	1.035 - 1.051	
D	ensity	:	No data available	9
S	olubility(ies) Water solubility	:	No data available	9
	artition coefficient: n-	:	Not applicable	
	ctanol/water utoignition temperature	:	No data available	9



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Visco	mposition temperature sity scosity, kinematic	:	No data availabl 70 - 300 m²/s	e
Explo	sive properties	:	Not explosive	
Oxidiz	zing properties	:	The substance of	or mixture is not classified as oxidizing.
Moleo	cular weight	:	No data availabl	e
	le characteristics le size	:	< 80 µm	

SECTION 10. STABILITY AND REACTIVITY

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

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Skin contact Ingestion Eye contact

Acute toxicity

Not classified based on available information.

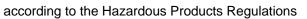
Product:

Acute oral 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 Exposure time: 4 h Test atmosphere: dust/mist

SAFETY DATA SHEET according to the Hazardous Products Regulations

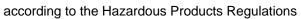


Acute dermal toxicity :: LD50 (Rabbit): > 2,000 mg/kg Assessment: The substance or mixture has no acute derma toxicity Closantel: Acute oral toxicity :: Acute oral toxicity :: LD50 (Rat, female): 262 mg/kg Abendazole Sulfoxide: Acute oral toxicity :: Acute oral toxicity :: LD50 (Mouse): 1,500 mg/kg Acute toxicity (other routes of : LD50 (Rat): 265 mg/kg Administration) : Application Route: Intravenous Skin corrosion/irritation Not classified based on available information. Components: Propylene glycol: Species : Rabbit Method : .0ECD Test Guideline 404 Result : No skin irritation Albendazole Sulfoxide:	Version 4.0	Revision Date: 07/06/2024		9S Number: 843097-00014	Date of last issue: 04/24/2024 Date of first issue: 08/26/2022
Action of toxicity L D50 (Rat, female): 262 mg/kg Albendazole Sulfoxide: LD50 (Mouse): 1,500 mg/kg Acute oral toxicity L D50 (Rat): 2,400 mg/kg Acute toxicity (other routes of : LD50 (Rat): 265 mg/kg administration) Application Route: Intravenous Skin corrosion/irritation Application Route: Intravenous Skin corrosion/irritation Mouse): 1,500 mg/kg Acute toxicity (other routes of : LD50 (Rat): 265 mg/kg Administration) Application Route: Intravenous Skin corrosion/irritation Mouse): 1,500 mg/kg Not classified based on available information. Components: Propylene glycol: Species Species : Rasbit Result : No skin irritation Albendazole Sulfoxide: : No skin irritation Species : No skin irritation Species : No skin irritation Mot classified based on available information. Components: Propylene glycol: . . Species : No skin irritation Method : . Species	Acute	e dermal toxicity	:	Assessment: The	
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LD50 (Rat): 2,400 mg/kg Acute toxicity (other routes of : LD50 (Rat): 265 mg/kg administration) Application Route: Intravenous Skin corrosion/irritation Not classified based on available information. Components: Propylene glycol: Species : Rabbit Method : OECD Test Guideline 404 Result : No skin irritation Albendazole Sulfoxide: : No skin irritation Species : Rabbit Result : No skin irritation Stock cassified based on available information. : OECD Test Guideline 404 Result : No skin irritation Species : Rabbit Result : No skin irritation Stock cassified based on available information. : Omponents: Propylene glycol: : No classified based on available information. Species : Rabbit Result : No eye irritation Method : OECD Test Guideline 405 Albendazole Sulfoxide: : No eye irritation Method : No eye irritation Method : No eye irritation Result : No eyee irr	Alber	ndazole Sulfoxide:			
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administration) Application Route: Intravenous Skin corrosion/irritation Not classified based on available information. Components: Propylene glycol: Species ::::::::::::::::::::::::::::::::::::				LD50 (Rat): 2,400	mg/kg
Not classified based on available information. Components: Propylene glycol: Method			:		
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Skin sensitization May cause an allergic skin reaction. Respiratory sensitization			:		
May cause an allergic skin reaction. Respiratory sensitization	Resp	iratory or skin sensitiza	atio	n	
Respiratory sensitization	Skin	sensitization			
	May o	cause an allergic skin rea	actic	on.	
Not classified based on available information	Resp	iratory sensitization			
	-	-	ble	information.	
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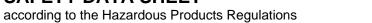


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Com	ponents:			
Prop	ylene glycol:			
Test		:	Maximization Tes	t
	es of exposure		Skin contact	
Spec Resu			Guinea pig negative	
			0	
	ndazole Sulfoxide:		Maximization Too	
Test Route			Maximization Tes Dermal	t
Routes of exposure Assessment				lence of low to moderate skin sensitization
			rate in humans	
Resu	lt	:	positive	
Test		:	Maximization Tes	t
	es of exposure		Dermal	
Resu	lt	:	Sensitizer	
	ylene glycol: otoxicity in vitro		Test Type: Bacter Result: negative	ial reverse mutation assay (AMES)
			Test Type: Chron Method: OECD T Result: negative	nosome aberration test in vitro est Guideline 473
Geno	otoxicity in vivo	:	Method: OECD T Result: negative Test Type: Mamn cytogenetic assay Species: Mouse	est Guideline 473 nalian erythrocyte micronucleus test (in vivo
	otoxicity in vivo	:	Method: OECD T Result: negative Test Type: Mamn cytogenetic assay Species: Mouse Application Route	est Guideline 473 nalian erythrocyte micronucleus test (in vivo /)
Closa		:	Method: OECD T Result: negative Test Type: Mamn cytogenetic assay Species: Mouse Application Route Result: negative	est Guideline 473 nalian erythrocyte micronucleus test (in vivo ⁄)
Clos a Geno	antel:	:	Method: OECD T Result: negative Test Type: Mamn cytogenetic assay Species: Mouse Application Route Result: negative Test Type: Bacter Result: negative	est Guideline 473 nalian erythrocyte micronucleus test (in vivo /) :: Intraperitoneal injection rial reverse mutation assay (AMES) nt dominant lethal test (germ cell) (in vivo)
Clos a Geno Geno	antel: otoxicity in vitro	:	Method: OECD T Result: negative Test Type: Mamn cytogenetic assay Species: Mouse Application Route Result: negative Test Type: Bacter Result: negative Test Type: Roder Species: Mouse Application Route	est Guideline 473 nalian erythrocyte micronucleus test (in vivo /) :: Intraperitoneal injection rial reverse mutation assay (AMES) nt dominant lethal test (germ cell) (in vivo)





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				mosomal aberration inese hamster ovary cells
Genc	otoxicity in vivo	:	Test Type: Micro Species: Mouse Cell type: Bone r Result: negative	
	inogenicity lassified based on avai	ilable	information.	
	ponents:			
Prop	ylene glycol:			
Spec		:	Rat	
Appli	cation Route	:	Ingestion	
	sure time	:	2 Years	
Resu	III	:	negative	
Clos	antel:			
Spec		:	Rat	
	cation Route	:	Ingestion	
Expo Resu	sure time		2 Years negative	
		•	noganio	
	ndazole Sulfoxide:			
Spec		:	Mouse	
	cation Route sure time	:	Oral 2 Years	
NOA		:	400 mg/kg body	weight
Resu	lt	:	negative	noigin
Spec	ies	:	Rat	
	cation Route	:	Oral	
	sure time	:	2 Years	ve i selet
NOA Resu		:	20 mg/kg body w negative	leight
Carci ment	inogenicity - Assess-	:	No evidence of c	arcinogenicity in animal studies.
•	oductive toxicity			
Susp	ected of damaging the	unbo	n child.	
<u>Com</u>	ponents:			
	ylene glycol:			
Effec	ts on fertility	:	Test Type: Two- Species: Mouse Application Rout Result: negative	generation reproduction toxicity study e: Ingestion
		:	Species: Mouse Application Rout	



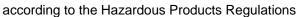


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Effects	on fetal development	:	Test Type: Embry Species: Mouse Application Route Result: negative	ro-fetal development : Ingestion
Closan	tel:			
Effects	on fetal development	:	Test Type: Three- Species: Rat Application Route Result: negative	generation reproduction toxicity study
Albend	lazole Sulfoxide:			
Effects	on fertility	:	Test Type: Fertility Species: Rat Application Route Fertility: NOAEL: Result: No effects	: Oral 30 mg/kg body weight
Effects	on fetal development	:		
				: Oral oxicity: LOAEL: 30 mg/kg body weight xic effects., Skeletal malformations.,
				: Oral oxicity: LOAEL: 7 mg/kg body weight xic effects and adverse effects on the
Reprod sessme	uctive toxicity - As- ent	:	Suspected of dam	naging the unborn child.

STOT-single exposure

May cause damage to organs (Gastrointestinal tract, Central nervous system) if swallowed.





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Components:

Albendazole Sulfoxide:

Routes of exposure	:	Oral
Target Organs Assessment	:	Gastrointestinal tract, Central nervous system
Assessment	:	May cause damage to organs.

STOT-repeated exposure

May cause damage to organs (Gastrointestinal tract, Central nervous system, Immune system, Liver) through prolonged or repeated exposure if swallowed.

Components:

Albendazole Sulfoxide:

Routes of exposure	: Oral
Target Organs	: Gastrointestinal tract, Central nervous system, Immune system. Liver
Assessment	: May cause damage to organs through prolonged or repeated exposure.

Repeated dose toxicity

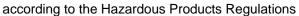
Components:

Propylene glycol:

Species NOAEL	: Rat, male	
NOAEL	: >= 1,700 mg/kg	
Application Route	: Ingestion	
Exposure time	: 2 y	

Albendazole Sulfoxide:

u	Oi 4 ^V Ga	68 mg/kg
Species LOAEL Application Route Exposure time Target Organs Symptoms	Oi 4 Ga	mg/kg
Species LOAEL Application Route Exposure time Target Organs Symptoms	40 Oi 3 B	ouse) mg/kg ral Months ood, Liver, Nose ematologic effects, Liver effects





Albendazole / Closantel Sodium Formulation

Version 4.0	Revision Date: 07/06/2024	SDS Number: 10843097-0001	Date of last issue: 04/24/2024 4 Date of first issue: 08/26/2022
Expos	EL cation Route sure time et Organs	: Rat : >= 30 mg/kg : Oral : 6 Months : Blood : Hematologic	
Expos	EL cation Route sure time et Organs	: Dog : 40 mg/kg : Oral : 6 Months : Blood, Liver : Hematologie	c effects, Liver effects
Expos	EL cation Route sure time et Organs	: Rat : 7 mg/kg : Oral : 60 d : Liver, Testis : Liver effects	s, male reproductive effects

Aspiration toxicity

Not classified based on available information.

Experience with human exposure

Components:

Albendazole Sulfoxide:		
General Information	:	Symptoms: Allergic reactions, hair loss, Gastrointestinal dis- turbance, Headache, Dizziness
Skin contact	:	Target Organs: Skin Symptoms: Allergic reactions Remarks: May cause sensitization by skin contact.
Ingestion	:	Target Organs: Gastrointestinal tract Symptoms: Gastrointestinal disturbance, Diarrhea, Abdominal pain
		Target Organs: Central nervous system Symptoms: Headache, Dizziness
		Target Organs: Liver Symptoms: liver function change
		Target Organs: Immune system Symptoms: immune system effects

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Propylene glycol:

Toxicity to fish

: LC50 (Oncorhynchus mykiss (rainbow trout)): 40,613 mg/l Exposure time: 96 h

SAFETY DATA SHEET according to the Hazardous Products Regulations



ersion .0	Revision Date: 07/06/2024	-	9S Number: 843097-00014	Date of last issue: 04/24/2024 Date of first issue: 08/26/2022
	ity to daphnia and other ic invertebrates	:	EC50 (Ceriodapl Exposure time: 4	nnia dubia (water flea)): 18,340 mg/l 8 h
Toxici plants	ity to algae/aquatic	:	Exposure time: 7	ema costatum (marine diatom)): 19,300 mg/ ′2 h Fest Guideline 201
	ity to daphnia and other ic invertebrates (Chron-	:	NOEC (Ceriodar Exposure time: 7	ohnia dubia (water flea)): 13,020 mg/l ′ d
	ity to microorganisms	:	NOEC (Pseudon Exposure time: 1	nonas putida): > 20,000 mg/l 8 h
Closa	antel:			
Toxici	ity to fish	:	mg/l Exposure time: 9 Method: OECD	chus mykiss (rainbow trout)): > 0.01 - 0.1 96 h Fest Guideline 203 on data from similar materials
Alber	ndazole Sulfoxide:			
Toxici	ity to fish	:	EC50 (Brachyda Exposure time: 1	nio rerio (zebrafish)): 0.042 mg/l 44 hrs
	ity to daphnia and other ic invertebrates	:	Exposure time: 4	nagna (Water flea)): 0.068 mg/l ŀ8 h Fest Guideline 202
Toxici plants	ity to algae/aquatic	:	0.024 mg/l Exposure time: 7	elis subcapitata (freshwater green alga)): ′2 h ſest Guideline 201
Persi	stence and degradabili	ity		
<u>Comp</u>	oonents:			
	ylene glycol: gradability	:	Result: Readily to Biodegradation: Exposure time: 2 Method: OECD	98.3 %
Bioac	cumulative potential			
Comp	oonents:			
Propy	ylene glycol:			
	on coefficient: n- ol/water	:		ion (EC) No. 440/2008, Annex, A.8



according to the Hazardous Products Regulations

Albendazole / Closantel Sodium Formulation

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Closar Partitic octano	on coefficient: n-	: log Pow: > 4 Remarks: Expert judgment	
	dazole Sulfoxide: on coefficient: n- l/water	: log Pow: 1.27 pH: 7	
	ty in soil a available		
•	adverse effects a available		

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues		se of waste into sewer.
	Dispose of in	accordance with local regulations.
Contaminated packaging	handling site	ners should be taken to an approved waste for recycling or disposal. se specified: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG		
UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
		N.O.S.
		(Closantel, Albendazole Sulfoxide)
Class	:	9
Packing group	:	
Labels		9
Environmentally hazardous	÷	yes
	•	J 00
IATA-DGR		
UN/ID No.	:	UN 3082
Proper shipping name	:	Environmentally hazardous substance, liquid, n.o.s. (Closantel, Albendazole Sulfoxide)
Class	:	9
Packing group	:	III
Labels	:	Miscellaneous
Packing instruction (cargo	:	964
aircraft)		
Packing instruction (passen-		964
ger aircraft)	•	
Environmentally hazardous		yes
	•	yes
IMDG-Code		
UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,



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Labe EmS	ing group	N.O.S. (Closantel, All : 9 : III : 9 : F-A, S-F : yes	bendazole Sulfoxide)
	sport in bulk accordi applicable for product a	-	ARPOL 73/78 and the IBC Code
Dom	estic regulation		
	umber er shipping name	N.O.S.	NTALLY HAZARDOUS SUBSTANCE, LIQUID,
Labe ERG	ing group	: 9 : III : 9 : 171	lbendazole Sulfoxide) , Albendazole Sulfoxide)

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 prod	uct	are reported in the following inventories:
AICS	:	not determined
DSL	:	not determined
IECSC	:	not determined

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

CA ON OEL	:	Ontario Table of Occupational Exposure Limits made under
		the Occupational Health and Safety Act.
CA ON OEL / TWA	:	Time-Weighted Average Limit (TWA)

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



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x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations 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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