according to GB/T 16483 and GB/T 17519



## Albendazole / Closantel Sodium Formulation

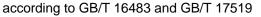
Version	Revision Date:	SDS Number:	Date of last issue: 2024/07/06
5.0	2024/09/28	10843099-00016	Date of first issue: 2022/08/26

#### **1. PRODUCT AND COMPANY IDENTIFICATION**

Product name	:	Albendazole / Closantel Sodium Formulation			
Other means of identification	:	Closal (A005093)			
Manufacturer or supplier's de	etai	ils			
Company	:	MSD			
Address	:	No. 485 Jing Tai Road Pu Tuo District - Shanghai - China 200331			
Telephone	:	+1-908-740-4000			
Emergency telephone number	:	86-571-87268110			
E-mail address	:	EHSDATASTEWARD@msd.com			
Recommended use of the chemical and restrictions on use					
Recommended use Restrictions on use	:	Veterinary product Not applicable			

#### 2. HAZARDS IDENTIFICATION

Emergency Overview		
Appearance Colour Odour	:	suspension, Aqueous solution white, off-white odourless
May cause an allergic skin reac	ctio	n. Very toxic to aquatic life with long lasting effects.
GHS Classification		
Skin sensitisation	:	Category 1
Short-term (acute) aquatic hazard	:	Category 1
Long-term (chronic) aquatic hazard	:	Category 1
GHS label elements Hazard pictograms	:	





## Albendazole / Closantel Sodium Formulation

Version 5.0	Revision Date: 2024/09/28	SDS Number: 10843099-00016	Date of last issue: 2024/07/06 Date of first issue: 2022/08/26
Signa	al word	: Warning	
Haza	rd statements		use an allergic skin reaction. kic to aquatic life with long lasting effects.
Preca	autionary statements	P272 Contam the workplace P273 Avoid re	reathing mist or vapours. inated work clothing should not be allowed out of elease to the environment. otective gloves.
		P333 + P313 vice/ attention	Take off contaminated clothing and wash it before
		<b>Disposal:</b> P501 Dispose disposal plant	of contents/ container to an approved waste
Phys	ical and chemical haz	ards	
Not c	lassified based on avai	lable information.	
	h hazards		
May	cause an allergic skin r	eaction.	
	onmental hazards		
Very	Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.		
Othe	Other hazards which do not result in classification		

Other hazards which do not result in classification

None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

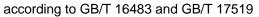
#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Closantel	57808-65-8	>= 2.5 -< 10
Albendazole Sulfoxide	54029-12-8	>= 1 -< 2.5
Octamethylcyclotetrasiloxane	556-67-2	>= 0.025 -< 0.1

#### 4. FIRST AID MEASURES

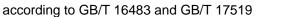
General advice

: In the case of accident or if you feel unwell, seek medical advice immediately.





Version 5.0	Revision Date: 2024/09/28		9S Number: 843099-00016	Date of last issue: 2024/07/06 Date of first issue: 2022/08/26
			advice.	persist or in all cases of doubt seek medical
lti	nhaled	:	If inhaled, remove Get medical atten	
In	case of skin contact	:	of water. Remove contamir Get medical atten Wash clothing be	
In	case of eye contact	:	Flush eyes with w	ater as a precaution. tion if irritation develops and persists.
	wallowed	:	If swallowed, DO Get medical attem Rinse mouth thore Never give anythi	NOT induce vomiting.
an	d effects, both acute and ayed	•	May cause an and	
Pro	ptection of first-aiders	:	and use the recor when the potentia	ers should pay attention to self-protection, nmended personal protective equipment Il for exposure exists (see section 8).
No	tes to physician	:	Treat symptomati	cally and supportively.
5. FIRE	FIGHTING MEASURES			
Su	itable extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (C Dry chemical	
	suitable extinguishing dia	:	None known.	
	ecific hazards during fire- nting	:	Exposure to comb	pustion products may be a hazard to health.
Ha uc	zardous combustion prod- s	:	Carbon oxides Nitrogen oxides (I Sulphur oxides Chlorine compound Iodine compound Metal oxides	nds
Sp od	ecific extinguishing meth- s	:	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
Sp	ecial protective equipment	:	In the event of fire	e, wear self-contained breathing apparatus.





## Albendazole / Closantel Sodium Formulation

Version 5.0	Revision Date: 2024/09/28		9S Number: 843099-00016	Date of last issue: 2024/07/06 Date of first issue: 2022/08/26
for fir	efighters		Use personal pr	otective equipment.
6. ACCID	ENTAL RELEASE MEAS	SUF	RES	
tive e	onal precautions, protec- equipment and emer- y procedures	:	Follow safe han	otective equipment. dling advice (see section 7) and personal pro- nt recommendations (see section 8).
Envir	onmental precautions	:	Prevent further I Prevent spreadin barriers). Retain and dispo	the environment. eakage or spillage if safe to do so. ng over a wide area (e.g. by containment or oil ose of contaminated wash water. s should be advised if significant spillages ined.
	ods and materials for ainment and cleaning up	:	For large spills, ment to keep ma be pumped, stor Clean up remain bent. Local or nationa posal of this ma employed in the mine which regu Sections 13 and	ert absorbent material. provide dyking or other appropriate contain- aterial from spreading. If dyked material can re recovered material in appropriate container. hing materials from spill with suitable absor- l regulations may apply to releases and dis- terial, as well as those materials and items cleanup of releases. You will need to deter- lations are applicable. 15 of this SDS provide information regarding hational requirements.
7. HANDL	ING AND STORAGE			
Hand	lling			
Loca	nical measures I/Total ventilation ce on safe handling	:	CONTROLS/PE Use only with ac Do not get on sk Do not breather Do not swallow. Avoid contact wi Wash skin thoro Handle in accord	nist or vapours.

sessment Do not eat, drink or smoke when using this product.

Take care to prevent spills, waste and minimize release to the environment.

Avoidance of contact : Oxidizing agents



## Albendazole / Closantel Sodium Formulation

Version 5.0	Revision Date: 2024/09/28	SDS Number: 10843099-00016	Date of last issue: 2024/07/06 Date of first issue: 2022/08/26	

#### Storage

Conditions for safe storage	:	Keep in properly labelled containers. Store in accordance with the particular national regulations.
Materials to avoid	:	Do not store with the following product types: Strong oxidizing agents
Packaging material	:	Unsuitable material: None known.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Closantel	57808-65-8	TWA	>= 10 < 100 µg/m3 (OEB 3)	Internal
Albendazole Sulfoxide	54029-12-8	TWA	45 μg/m3 (OEB 3)	Internal
	Further informa	ation: DSEN		
		Wipe limit	100 µg/100 cm2	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 equipment	

Respiratory protection	:	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection.
Filter type	:	Particulates type
Eye/face protection	:	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 contaminated clothing.



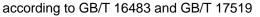


# Albendazole / Closantel Sodium Formulation

Version 5.0	Revision Date: 2024/09/28	SDS Number: 10843099-00016	Date of last issue: 2024/07/06 Date of first issue: 2022/08/26
Hand	protection		
Ma	aterial	: Chemical-resis	tant gloves
Remarks Hygiene measures		eye flushing sy ing place. When using do Contaminated workplace. Wash contamin The effective o engineering co appropriate de industrial hygie	le gloving. chemical is likely during typical use, provide stems and safety showers close to the work- o not eat, drink or smoke. work clothing should not be allowed out of the nated clothing before re-use. peration of a facility should include review of ntrols, proper personal protective equipment, gowning and decontamination procedures, me monitoring, medical surveillance and the trative controls.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	suspension, Aqueous solution
Colour	:	white, off-white
Odour	:	odourless
Odour Threshold	:	No data available
рН	:	8.5 - 10.5
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 flammability limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available





## Albendazole / Closantel Sodium Formulation

Jumber:         Date of last issue: 2024/07/06           99-00016         Date of first issue: 2022/08/26
33-00010 Date of first issue. 2022/00/20

Relative density	: 1.035 - 1.051	
Density	: No data available	
Solubility(ies) Water solubility	: No data available	
Partition coefficient: n- octanol/water	: Not applicable	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Viscosity Viscosity, kinematic	: 70 - 300 m2/s	
Explosive properties	: Not explosive	
Oxidizing properties	: The substance or mixture is not classified as oxidizing.	
Molecular weight	: No data available	
Particle characteristics Particle size	: < 80 μm	

#### **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.

#### **11. TOXICOLOGICAL INFORMATION**

Exposure routes	: Inhalation Skin contact
	Ingestion
	Eye contact

#### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity

: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method

according to GB/T 16483 and GB/T 17519



## Albendazole / Closantel Sodium Formulation

VersionRevision Date:SDS Number:Date of last issue: 2025.02024/09/2810843099-00016Date of first issue: 202	
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#### Components:

Closantel:		
Acute oral toxicity	:	LD50 (Rat, female): 262 mg/kg
II Albendazole Sulfoxide:		
	:	LD50 (Mouse): 1,500 mg/kg
		LD50 (Rat): 2,400 mg/kg
Acute toxicity (other routes of administration)	:	LD50 (Rat): 265 mg/kg Application Route: Intravenous
Octamethylcyclotetrasiloxane	e:	
Acute oral toxicity	:	LD50 (Rat): > 4,800 mg/kg Assessment: The substance or mixture has no acute oral tox- icity
Acute inhalation toxicity	:	LC50 (Rat): 36 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403
Acute dermal toxicity	:	LD50 (Rat): > 2,375 mg/kg Assessment: The substance or mixture has no acute dermal toxicity
Skin corrosion/irritation		
Not classified based on available	le	information.
Components:		
Albendazole Sulfoxide:		
Species Result	:	Rabbit No skin irritation
	•	
Octamethylcyclotetrasiloxane	e:	
Species Result	:	Rabbit No skin irritation
Serious eye damage/eye irrita	ati	

Not classified based on available information.

#### **Components:**

Albendazole Sulfoxide:	

Species : Rabbit



according to GB/T 16483 and GB/T 17519

# Albendazole / Closantel Sodium Formulation

Version 5.0	Revision Date: 2024/09/28	SDS Number: 10843099-00016	Date of last issue: 2024/07/06 Date of first issue: 2022/08/26	
Resu	lt	: No eye irritati	on	
Octa	methylcyclotetrasilox	ane:		
Spec Resu	ies	: Rabbit : No eye irritati	on	
Resp	piratory or skin sensit	isation		
Skin	sensitisation			
-	cause an allergic skin r	eaction.		
-	<b>iratory sensitisation</b> lassified based on ava	ilable information.		
Com	ponents:			
Albei	ndazole Sulfoxide:			
Asse	sure routes ssment	rate in humar	evidence of low to moderate skin sensitisation	
Resu	lt	: positive		
Test Expo Resu	sure routes	: Maximisation : Dermal : Sensitiser	Test	
Octa	methylcyclotetrasilox	ane:		
Test	Type sure routes ies od	: Maximisation : Skin contact : Guinea pig : OECD Test C : negative		
	n <b>cell mutagenicity</b> lassified based on ava	ilable information.		
Com	ponents:			
Clos	antel:			
Geno	otoxicity in vitro	: Test Type: Ba Result: negat	acterial reverse mutation assay (AMES) ive	
Geno	otoxicity in vivo	: Test Type: Rodent dominant lethal test (germ cell) (in vivo) Species: Mouse Application Route: Ingestion Result: negative		
Albei	ndazole Sulfoxide:			

#### Albendazole Sulfoxide:

according to GB/T 16483 and GB/T 17519



Version 5.0	Revision Date: 2024/09/28	SDS Number: 10843099-00016	Date of last issue: 2024/07/06 Date of first issue: 2022/08/26
Geno	otoxicity in vitro	: Test Type: Bac Result: negative	terial reverse mutation assay (AMES)
			omosomal aberration ninese hamster ovary cells e
Geno	otoxicity in vivo	: Test Type: Micr Species: Mouse Cell type: Bone Result: negative	e marrow
Octa	methylcyclotetrasilo	e:	
	otoxicity in vitro	: Test Type: Bac	terial reverse mutation assay (AMES) Test Guideline 471 e
		Test Type: In vi Result: negative	tro mammalian cell gene mutation test
		Test Type: Chro Result: negative	omosome aberration test in vitro
Geno	otoxicity in vivo		
II Carci	inogenicity		
	lassified based on ava	ble information.	
Com	ponents:		
Clos	antel:		
Spec		: Rat	
Appli	cation Route sure time	: Ingestion : 2 Years	
Resu	lt	: negative	
Albe	ndazole Sulfoxide:		
Spec		: Mouse	
Appli	cation Route sure time	: Oral : 2 Years	
NOA	EL	: 400 mg/kg body	/ weight
Resu	lt	: negative	





ersion .0	Revision Date: 2024/09/28	SDS Number: 10843099-00016	Date of last issue: 2024/07/06 Date of first issue: 2022/08/26
NOAE		: 20 mg/kg boo	dy weight
Resul		: negative	
Carcin	nogenicity - Assess-	: No evidence	of carcinogenicity in animal studies.
-	oductive toxicity assified based on avai	lable information.	
Comp	oonents:		
Closa Effect ment	antel: s on foetal develop-	Species: Rat	nree-generation reproduction toxicity study coute: Ingestion tive
Alber	ndazole Sulfoxide:		
Effect	s on fertility		
Effect ment	s on foetal develop-	•	
			bbit oute: Oral al Toxicity: LOAEL: 30 mg/kg body weight yotoxic effects., Skeletal malformations, Matern
			oute: Oral al Toxicity: LOAEL: 7 mg/kg body weight yotoxic effects and adverse effects on the off-
Repro	oductive toxicity - As-	: Suspected of	damaging the unborn child.

according to GB/T 16483 and GB/T 17519



## Albendazole / Closantel Sodium Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 2024/07/06
5.0	2024/09/28	10843099-00016	Date of first issue: 2022/08/26

#### sessment

Octamethylcyclotetrasiloxa	ie:	
Effects on fertility	: Test Type: Two-generation reproduction toxicity study Species: Rat Application Route: Inhalation Method: OPPTS 870.3800 Result: positive	
Effects on foetal develop- ment	: Test Type: Embryo-foetal development Species: Rabbit Application Route: Inhalation Result: negative	
Reproductive toxicity - As- sessment	: Some evidence of adverse effects on sexual function a fertility, based on animal experiments.	nd

#### STOT - single exposure

Not classified based on available information.

#### **Components:**

#### Albendazole Sulfoxide:

Exposure routes Target Organs Assessment	:	Oral
Target Organs	:	Gastrointestinal tract, Central nervous system
Assessment	:	May cause damage to organs.

#### STOT - repeated exposure

Not classified based on available information.

#### **Components:**

#### Albendazole Sulfoxide:

	Exposure routes	:	Oral
	Exposure routes Target Organs	:	Gastrointestinal tract, Central nervous system, Immune sys-
			tem, Liver
	Assessment	:	May cause damage to organs through prolonged or repeated
I			exposure.

#### Repeated dose toxicity

#### Components:

#### Albendazole Sulfoxide:

Species LOAEL	:	Rat
LÒAEL	:	168 mg/kg
Application Route	:	Oral
Exposure time	:	4 Weeks
Target Organs	:	Gastrointestinal tract, Testis
Application Route Exposure time Target Organs Symptoms	:	Diarrhoea, Vomiting

according to GB/T 16483 and GB/T 17519



# Albendazole / Closantel Sodium Formulation

Version 5.0	Revision Date: 2024/09/28	SDS Number:Date of last issue: 2024/07/0610843099-00016Date of first issue: 2022/08/26
Expos	L ation Route sure time t Organs	<ul> <li>Dog</li> <li>48 mg/kg</li> <li>Oral</li> <li>4 Weeks</li> <li>Gastrointestinal tract</li> <li>Diarrhoea, Vomiting</li> </ul>
Expos	L ation Route sure time t Organs	<ul> <li>Mouse</li> <li>40 mg/kg</li> <li>Oral</li> <li>3 Months</li> <li>Blood, Liver, Nose</li> <li>Hematologic effects, Liver effects</li> </ul>
Expos	L ation Route sure time t Organs	<ul> <li>Rat</li> <li>&gt;= 30 mg/kg</li> <li>Oral</li> <li>6 Months</li> <li>Blood</li> <li>Hematologic effects</li> </ul>
Expos	L ation Route sure time t Organs	<ul> <li>Dog</li> <li>40 mg/kg</li> <li>Oral</li> <li>6 Months</li> <li>Blood, Liver</li> <li>Hematologic effects, Liver effects</li> </ul>
Expos	EL cation Route sure time t Organs	<ul> <li>Rat</li> <li>7 mg/kg</li> <li>Oral</li> <li>60 d</li> <li>Liver, Testis</li> <li>Liver effects, male reproductive effects</li> </ul>
Octan	nethylcyclotetrasiloxa	ine:
Specie NOAE Applic Expos		: Rat : 1.82 mg/l : inhalation (vapour) : 2 yr
Specie NOAE Applic Expos		<ul> <li>Rabbit</li> <li>&gt;= 960 mg/kg</li> <li>Skin contact</li> <li>3 Weeks</li> </ul>
Aspir	ation toxicity	

### Aspiration toxicity

Not classified based on available information.

according to GB/T 16483 and GB/T 17519



## Albendazole / Closantel Sodium Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 2024/07/06
5.0	2024/09/28	10843099-00016	Date of first issue: 2022/08/26

#### 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 sensitisation by skin contact.
Ingestion	:	Target Organs: Gastrointestinal tract Symptoms: Gastrointestinal disturbance, Diarrhoea, Ab- dominal pain Target Organs: Central nervous system Symptoms: Headache, Dizziness Target Organs: Liver Symptoms: liver function change Target Organs: Immune system Symptoms: immune system effects

#### **12. ECOLOGICAL INFORMATION**

#### Ecotoxicity

#### Components:

#### **Closantel:**

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): > 0.01 - 0.1 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 Remarks: Based on data from similar materials
M-Factor (Acute aquatic tox- icity)	:	10
M-Factor (Chronic aquatic toxicity)	:	10
Albendazole Sulfoxide:		
Toxicity to fish	:	EC50 (Brachydanio rerio (zebrafish)): 0.042 mg/l Exposure time: 144 hrs
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0.068 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	EC50 (Raphidocelis subcapitata (freshwater green alga)): 0.024 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
M-Factor (Acute aquatic tox-	:	10

according to GB/T 16483 and GB/T 17519



Version 5.0	Revision Date: 2024/09/28	-	9S Number: 843099-00016	Date of last issue: 2024/07/06 Date of first issue: 2022/08/26
	Factor (Chronic aquatic	:	10	
	kicity)			
	tamethylcyclotetrasiloxai xicity to fish	:	Exposure time: 96	thus mykiss (rainbow trout)): > 0.022 mg/l 5 h city at the limit of solubility
	xicity to daphnia and other uatic invertebrates	:	Exposure time: 48	nagna (Water flea)): > 0.015 mg/l 3 h city at the limit of solubility
	xicity to algae/aquatic ints	:	0.022 mg/l Exposure time: 96	rchneriella subcapitata (green algae)): > 5 h city at the limit of solubility
			0.022 mg/l Exposure time: 96	chneriella subcapitata (green algae)): >= 5 h city at the limit of solubility
To icit	xicity to fish (Chronic tox- y)	:	NOEC (Oncorhyn Exposure time: 14	chus mykiss (rainbow trout)): 0.0044 mg/l 1 d
aq	xicity to daphnia and other uatic invertebrates (Chron- coxicity)	:	NOEC (Daphnia r Exposure time: 27	nagna (Water flea)): 0.0079 mg/l I d
M-	Factor (Chronic aquatic cicity)	:	10	
Pe	rsistence and degradabili	ty		
<u>Co</u>	emponents:			
	tamethylcyclotetrasiloxar	1 <b>e:</b> :	Result: Not readil Biodegradation: 3 Exposure time: 29 Method: OECD T	3.7 % 9 d
Bi	paccumulative potential			
<u>Co</u>	mponents:			
Cle	osantel:			
	rtition coefficient: n- tanol/water	:	log Pow: > 4 Remarks: Expert	judgement
All	bendazole Sulfoxide:			





Version 5.0	Revision Date: 2024/09/28		DS Number: 843099-00016	Date of last issue: 2024/07/06 Date of first issue: 2022/08/26
	tition coefficient: n- anol/water	:	log Pow: 1.27 pH: 7	
Oct	amethylcyclotetrasiloxa	ne:		
	accumulation	:		ales promelas (fathead minnow) factor (BCF): 12,400 850.1730
	tition coefficient: n- anol/water	:	log Pow: 6.488 Method: OECD T	est Guideline 123
Mo	bility in soil			
	data available			
Oth	er adverse effects			
No	data available			
13. DISI	POSAL CONSIDERATION	IS		
Dis	posal methods			
Wa	ste from residues	:		f waste into sewer.
Cor	ntaminated packaging	:	Empty containers dling site for recy	ordance with local regulations. should be taken to an approved waste han- cling or disposal. pecified: Dispose of as unused product.
14. TRA	NSPORT INFORMATION			
Inte	ernational Regulations			
	RTDG			
	number per shipping name	:	UN 3082	ALLY HAZARDOUS SUBSTANCE, LIQUID,
110		•	N.O.S.	
Cla			•	ndazole Sulfoxide)
	ss king group	÷	9 III	
Lab	pels	:	9	
En	vironmentally hazardous	:	yes	
	/ID No. per shipping name	:	UN 3082 Environmentally I	nazardous substance, liquid, n.o.s.
		-	(Closantel, Alber	ndazole Sulfoxide)
Cla		:	9	
Pac	cking group bels	÷	III Miscellaneous	
Pac	king instruction (cargo	:	964	
	raft) king instruction (passen-		964	
		·		



according to GB/T 16483 and GB/T 17519

## **Albendazole / Closantel Sodium Formulation**

ersion D	Revision Date: 2024/09/28	SDS Number:Date of last issue: 2024/07/0610843099-00016Date of first issue: 2022/08/26	
<b>IMDG</b> UN ու	onmentally hazardous	<ul> <li>: yes</li> <li>: UN 3082</li> <li>: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,</li> </ul>	, LIQUID,
Class Packir Labels EmS (	ng group	<ul> <li>N.O.S. (Closantel, Albendazole Sulfoxide)</li> <li>9</li> <li>III</li> <li>9</li> <li>F-A, S-F</li> <li>yes</li> </ul>	
	port in bulk accordin	to Annex II of MARPOL 73/78 and the IBC Code upplied.	
Natio	nal Regulations		
UN nu	9 <b>44/12268</b> Imber Ir shipping name	<ul> <li>UN 3082</li> <li>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, N.O.S. (Closantel, Albendazole Sulfoxide)</li> </ul>	LIQUID
Labels	ng group	: 9 : III : 9 : no	
Speci	al precautions for us		
based Sheet	l upon the properties o	provided herein are for informational purposes only, and ne unpackaged material as it is described within this Saf ations may vary by mode of transportation, package size gulations.	ety Data

#### 15. REGULATORY INFORMATION

#### National regulatory information Law on the Prevention and Control of Occupational Diseases

#### **Regulations on Safety Management of Hazardous Chemicals**

Catalogue of Hazardous Chemicals	lı r c	This product is not listed in the cata- ogue of hazardous chemicals, but it meets the definition of hazardous chemicals and its principles of de- termination.
Identification of Major Hazard Installations for Hazardous 18218)	: Che	emicals (GB : Not listed
Hazardous Chemicals for Priority Management under SAWS	: N	Not listed



according to GB/T 16483 and GB/T 17519

## Albendazole / Closantel Sodium Formulation

Version 5.0	Revision Date: 2024/09/28	SDS Number: 10843099-00016	Date of last issue: 2024/07/06 Date of first issue: 2022/08/26		
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	l <b>ations on Labour Pro</b> ogue of Highly Toxic Ch	•	es where Toxic Substances are Used : Not listed		
	<u> </u>				
	Regulation of Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals				
	China Severely Restricted Toxic Chemicals for Import : Not listed and Export				
Regu	lation on the Adminis	tration of Precursor	Chemicals		
Catalogue and Classification of Precursor Chemicals : Not listed					
Yang	Yangtze River Protection Law				
This p	This product does not contain any dangerous chemicals prohibited for inland river transport.				
The components of this product are reported in the following inventories:					
AICS		: not determined			
DSL		: not determined			
IECS	С	: not determined			
16. OTHE	R INFORMATION				
Revis	ion Date	: 2024/09/28			
Furth	er information				

Further	inforr	nation	
-			

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

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

Date format : yyyy/mm/dd

#### 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 con-



## Albendazole / Closantel Sodium Formulation

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centration: 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

#### Disclaimer

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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