According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Diclazuril Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
3.4	28.09.2024	9374498-00008	Date of first issue: 27.08.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1	Product identifier Trade name	:	Diclazuril Formulation		
1.2			ubstance or mixture and uses advised against		
	Use of the Sub- stance/Mixture	:	Veterinary product		
	Recommended restrictions on use	:	Not applicable		
1.3	1.3 Details of the supplier of the safety data sheet				
	Company	:	MSD Walton Manor, Walton MK7 7AJ Milton Keynes - United Kingdom		
	Telephone	:	+1-908-740-4000		
	E-mail address of person responsible for the SDS	:	EHSDATASTEWARD@msd.com		

1.4 Emergency telephone number

+1-908-423-6000

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

EUH210 Safety data sheet available on request.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Diclazuril Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
3.4	28.09.2024	9374498-00008	Date of first issue: 27.08.2021

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Dust contact with the eyes can lead to mechanical irritation.

Contact with dust can cause mechanical irritation or drying of the skin.

May form explosive dust-air mixture during processing, handling or other means.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Diclazuril	101831-37-2	Repr. 2; H361d STOT RE 2; H373 (Lungs, Lymph nodes, Liver)	>= 1 - < 3
Substances with a workplace exposur	e limit :	· · ·	
Calcium carbonate	471-34-1 207-439-9		>= 1 - < 10
Soybean meal	68308-36-1 269-648-1		>= 1 - < 10

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of 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 advice.
Protection 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).
If inhaled	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.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Version 3.4	Revision Date: 28.09.2024		0S Number: 74498-00008	Date of last issue: 06.04.2024 Date of first issue: 27.08.2021
In ca	se of eye contact	:	If in eyes, rinse Get medical atte	well with water. ention if irritation develops and persists.
If swallowed		:	If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.	
4.2 Most i	important symptoms a	nd e	effects, both acu	ite and delayed
Risks	3	:	the skin.	st can cause mechanical irritation or drying of th the eyes can lead to mechanical irritation.
4.3 Indica	tion of any immediate	med	dical attention a	nd special treatment needed
Treat	ment	:	Treat symptoma	atically and supportively.
SECTION	N 5: Firefighting meas	sur	es	
-	guishing media			
Suita	ble extinguishing media	:	Water spray Alcohol-resistar Carbon dioxide Dry chemical	
Unsu media	itable extinguishing a	:	None known.	
5.2 Specia	al hazards arising from	the	e substance or n	nixture
Spec fightir	ific hazards during fire- ng	:	Exposure to cor	mbustion products may be a hazard to health.
Haza ucts	rdous combustion prod-	:	Carbon oxides Metal oxides Sulphur oxides	
5.3 Advic	e for firefighters			
Spec	ial protective equipment efighters	:		ire, wear self-contained breathing apparatus. rotective equipment.
Spec ods	ific extinguishing meth-	:	cumstances and Use water spray	ng measures that are appropriate to local cir- d the surrounding environment. y to cool unopened containers. naged containers from fire area if it is safe to de

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Diclazuril Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
3.4	28.09.2024	9374498-00008	Date of first issue: 27.08.2021

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
6.2 Environmental precautions		
Environmental precautions	:	Avoid release to the environment.

	•	
-		Prevent further leakage or spillage if safe to do so.
		Retain and dispose of contaminated wash water.
		If spillage enters rivers or watercourses, inform the Environ-
		ment Agency (emergency telephone number 0800 807060).

6.3 Methods and material for containment and cleaning up

Methods for cleaning up	 Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.
-------------------------	--

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

	•	
Technical measures	:	Static electricity may accumulate and ignite suspended dust causing an explosion. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
Local/Total ventilation		Use only with adequate ventilation.
	•	
Advice on safe handling	:	Do not breathe dust, fume, gas, mist, vapours or spray.
		Do not swallow.
		Avoid contact with eyes.
		Avoid prolonged or repeated contact with skin.
		Handle in accordance with good industrial hygiene and safety
		· · · · · · · · · · · · · · · · · · ·
		practice, based on the results of the workplace exposure as-
		sessment
		Minimize dust generation and accumulation.
		5
		Keep container closed when not in use.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Diclazuril Formulation

Version 3.4	Revision Date: 28.09.2024	SDS Number: 9374498-00008	Date of last issue: 06.04.2024 Date of first issue: 27.08.2021	
Hygiene measures		 Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment. 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. 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. 		
7.2 Condit	ions for safe storage,	including any in	compatibilities	
•	rements for storage and containers		erly labelled containers. Store in accordance with r national regulations.	
Advice	e on common storage	: Do not store Strong oxidi	with the following product types: zing agents	
-	c end use(s) ic use(s)	: No data ava	lable	

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

· ·				
Components	CAS-No.	Value type (Form	Control parameters	Basis
		of exposure)		
Calcium carbonate	471-34-1	TWA (inhalable	10 mg/m3	GB EH40
		dust)	-	
		TWA (Respirable	4 mg/m3	GB EH40
		dust)		
Soybean meal	68308-36-1	TWA (inhalable	10 mg/m3	GB EH40
		dust)	-	
	Further inform	nation: Capable of ca	ausing occupational asthma.	
		STEL (inhalable	30 mg/m3	GB EH40
		dust)	-	
	Further information: Capable of causing occupational asthma.			
Diclazuril	101831-37-	TWA	30 µg/m3 (OEB 3)	Internal
	2			
		Wipe limit	300 µg/100 cm2	Internal

Derived No Effect Level (DNEL)

Substance name	End Use	Exposure routes	Potential health ef- fects	Value
Calcium carbonate	Workers	Inhalation	Long-term systemic	6.36 mg/m3



1

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Diclazuril Formulation

Version 3.4	Revision Date: 28.09.2024	SDS Nur 9374498		Date of last issue: 06.04.2024 Date of first issue: 27.08.2021	
				effects	
		Canalimara	Ingention	A outo ovotomio of	61~

Consumers	Ingestion	Acute systemic ef- fects	6.1 mg/kg bw/dav
Consumers	Inhalation	Long-term systemic effects	1.06 mg/m3
Consumers	Ingestion	Long-term systemic effects	6.1 mg/kg bw/day

Predicted No Effect Concentration (PNEC)

Substance name	Environmental Compartment	Value
Calcium carbonate	Sewage treatment plant	100 mg/l

8.2 Exposure controls

Engineering measures

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 containment devices).

Minimize open handling.

Personal protective equipment

reisonal protective equipit	ent	
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.
Hand protection		
Material	:	Chemical-resistant gloves
Remarks Skin and body protection	:	Consider double gloving. Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing.
Respiratory protection Filter type	:	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Equipment should conform to BS EN 14387 Combined particulates and organic vapour type (A-P)
	•	

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: pellets
Colour	: green-brown
Odour	: No data available
Odour Threshold	: No data available

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Version 3.4	Revision Date: 28.09.2024		S Number: 74498-00008	Date of last issue: 06.04.2024 Date of first issue: 27.08.2021
pН			No data available	5
	a point/froozing point	•		
	g point/freezing point	•	No data available	
range	boiling point and boiling	:	No data available	
Flash	point	:	No data available	9
Evapo	ration rate	:	Not applicable	
Flamm	nability (solid, gas)	:	May form explos dling or other me	ive dust-air mixture during processing, han- ans.
	explosion limit / Upper ability limit	:	No data available	9
	explosion limit / Lower ability limit	:	No data available	9
Vapou	ir pressure	:	Not applicable	
Relativ	ve vapour density	:	Not applicable	
Relativ	ve density	:	No data available	9
Densit	у	:	No data available	9
Wa Partitio	lity(ies) ater solubility on coefficient: n-	:	No data available Not applicable	9
	bl/water gnition temperature	:	No data available	9
Decon	nposition temperature	:	No data available	9
Viscos Vis	sity cosity, kinematic	:	Not applicable	
Explos	sive properties	:	Not explosive	
Oxidiz	ing properties	:	The substance o	r mixture is not classified as oxidizing.
	nformation			
Flamm	nability (liquids)	:	No data available	9
Molec	ular weight	:	No data available	9
Particl	e size	:	No data available	9

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Diclazuril Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
3.4	28.09.2024	9374498-00008	Date of first issue: 27.08.2021

SECTION 10: Stability and reactivity

10.1 Reactivity

Not classified as a reactivity hazard.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions	: May form explosive dust-air mixture during processing, han- dling or other means. Can react with strong oxidizing agents.
10.4 Conditions to avoid	
Conditions to svoid	· Host flamos and aparks

Heat, flames and sparks.
Avoid dust formation.

10.5 Incompatible materials

Materials to avoid	: Oxidizing agents
--------------------	--------------------

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Information on likely routes of	:	Inhalation
exposure		Skin contact
		Ingestion
		Eye contact

Acute toxicity

Not classified based on available information.

Components:

Diclazuril:

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg
		LD50 (Mouse): > 5,000 mg/kg
		LD50 (Dog): > 5,000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 2.24 mg/l
Acute dermal toxicity	:	LD50 (Rabbit): > 4,000 mg/kg
Acute toxicity (other routes of administration)	:	LD50 (Mouse): > 5,000 mg/kg Application Route: Subcutaneous Target Organs: Central nervous system

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



rsion	Revision Date: 28.09.2024	SDS Number: 9374498-00008	Date of last issue: 06.04.2024 Date of first issue: 27.08.2021
Calci	um carbonate:		
Acute	oral toxicity		> 2,000 mg/kg CD Test Guideline 420 : The substance or mixture has no acute oral to:
Acute	inhalation toxicity	Method: OE	
Acute	dermal toxicity		> 2,000 mg/kg CD Test Guideline 402 : The substance or mixture has no acute derma
Soyb	ean meal:		
Acute	oral toxicity	Method: OE	emale): > 2,000 mg/kg CD Test Guideline 423
		Assessment: icity	: The substance or mixture has no acute oral to:
Not cl	corrosion/irritation assified based on ava	icity	: The substance or mixture has no acute oral to
Not cl Comp	assified based on ava <u>conents:</u>	icity	: The substance or mixture has no acute oral to
Not cl	assified based on ava ponents: zuril:	icity ailable information.	: The substance or mixture has no acute oral to d due to lack of data.
Not cl <u>Comp</u> Diclaz Rema	assified based on ava ponents: zuril:	icity ailable information.	
Not cl Comp Diclaz Rema Calciu Specie	assified based on ava ponents: zuril: urks um carbonate: es	icity ailable information. : Not classified : Rabbit	d due to lack of data.
Not cl Comp Diclaz Rema Calcia Specia Metho	assified based on ava conents: zuril: urks um carbonate: es od	icity ailable information. : Not classified : Rabbit : OECD Test (d due to lack of data. Guideline 404
Not cl Comp Diclaz Rema Calciu Specie	assified based on ava conents: zuril: urks um carbonate: es od	icity ailable information. : Not classified : Rabbit	d due to lack of data. Guideline 404
Not cl Comp Diclaz Rema Calciu Specie Metho Resul	assified based on ava conents: zuril: urks um carbonate: es od	icity ailable information. : Not classified : Rabbit : OECD Test (d due to lack of data. Guideline 404
Not cl Comp Diclaz Rema Calciu Specie Metho Resul Soybe Specie	assified based on ava <u>ponents:</u> zuril: um carbonate: es od t ean meal: es	icity ailable information. : Not classified : Rabbit : OECD Test of : No skin irrita : reconstructe	d due to lack of data. Guideline 404 tion d human epidermis (RhE)
Not cl Comp Diclaz Rema Calciu Specie Metho Specie Soybe Specie Metho	assified based on ava <u>ponents:</u> zuril: urks um carbonate: es od t ean meal: es od	icity ailable information. : Not classified : Rabbit : OECD Test (: No skin irrita : reconstructe : OECD Test (Guideline 404 tion d human epidermis (RhE) Guideline 439
Not cl Comp Diclaz Rema Calciu Specie Metho Resul Soybe Specie	assified based on ava <u>ponents:</u> zuril: urks um carbonate: es od t ean meal: es od	icity ailable information. : Not classified : Rabbit : OECD Test of : No skin irrita : reconstructe	d due to lack of data. Guideline 404 tion d human epidermis (RhE) Guideline 439
Not cl Comp Diclaz Rema Calciu Specie Metho Resul Specie Metho Resul Specie Metho Specie Metho	assified based on ava ponents: zuril: urks um carbonate: es od t ean meal: es od t us eye damage/eye	icity ailable information. : Not classified : Rabbit : OECD Test (: No skin irrita : OECD Test (: No skin irrita	d due to lack of data. Guideline 404 tion d human epidermis (RhE) Guideline 439
Not cl Comp Diclaz Rema Calcin Specie Metho Specie Metho Specie Metho Resul Soybe Specie Metho Resul	assified based on ava ponents: zuril: urks um carbonate: es od t ean meal: es od t us eye damage/eye assified based on ava	icity ailable information. : Not classified : Rabbit : OECD Test (: No skin irrita : OECD Test (: No skin irrita	d due to lack of data. Guideline 404 tion d human epidermis (RhE) Guideline 439
Not cl Comp Diclaz Rema Calcin Specie Metho Specie Metho Specie Metho Resul Soybe Specie Metho Resul	assified based on avaination of the second s	icity ailable information. : Not classified : Rabbit : OECD Test (: No skin irrita : OECD Test (: No skin irrita	d due to lack of data. Guideline 404 tion d human epidermis (RhE) Guideline 439

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Diclazuril Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
3.4	28.09.2024	9374498-00008	Date of first issue: 27.08.2021

Calcium carbonate:

Species Method Result	:	Rabbit OECD Test Guideline 405 No eye irritation
Soybean meal:		
Species Method	:	Bovine cornea OECD Test Guideline 437
Result	:	No eye irritation

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

Diclazuril:

Remarks

: Not classified due to lack of data.

Calcium carbonate:

Test Type	:	Local lymph node assay (LLNA)
Exposure routes	:	Skin contact
Species	:	Mouse
Method	:	OECD Test Guideline 429
Result	:	negative

Soybean meal:

Test Type	:	Local lymph node assay (LLNA)
Exposure routes	:	Skin contact
Species	:	Mouse
Method	:	OECD Test Guideline 429
Result	:	negative

Germ cell mutagenicity

Not classified based on available information.

Components:

Diclazuril:

: Test Type: Bacterial reverse mutation assay (AMES))
Result: negative	

Test Type: In vitro mammalian cell gene mutation test Test system: mouse lymphoma cells

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Version 3.4	Revision Date: 28.09.2024	SDS Number: 9374498-00008	Date of last issue: 06.04.2024 Date of first issue: 27.08.2021	
		Result: nega	itive	
		,	nscheduled DNA synthesis assay : rat hepatocytes ttive	
			Chromosomal aberration : Human lymphocytes ttive	
Geno	otoxicity in vivo	: Test Type: M Species: Mo Cell type: Bo Result: nega	one marrow	
		Test Type: S anogaster (ir Result: nega		-
		Test Type: d Species: Mo Result: nega		
Calc	ium carbonate:			
	otoxicity in vitro		Bacterial reverse mutation assay (AMES) CD Test Guideline 471 Itive	
			Chromosome aberration test in vitro CD Test Guideline 473 ttive	
			n vitro mammalian cell gene mutation test CD Test Guideline 476 tive	
Sovt	pean meal:			
-	otoxicity in vitro		Bacterial reverse mutation assay (AMES) CD Test Guideline 471 Itive	
	inogenicity			
	classified based on ava ponents:	allable information.		
	azuril:			
Spec Appli		: Mouse : Oral : 25 Months		
NÓA		: 3 mg/kg bod	y weight	

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Version 3.4	Revision Date: 28.09.2024	SDS Number: 9374498-00008	Date of last issue: 06.04.2024 Date of first issue: 27.08.2021
LOA Res		: 11 mg/kg bod : negative	y weight
App	\EL	: Rat : Oral : 28 Months : 4 mg/kg body : 15 mg/kg bod : negative	
-	roductive toxicity classified based on avail	lable information.	
Con	nponents:		
Dicl	azuril:		
Effe	cts on fertility	Species: Rat General Toxic Early Embryo Symptoms: R	vo-generation study hity - Parent: NOAEL: 5 mg/kg body weight nic Development: LOAEL: 20 mg/kg body weight educed offspring weight gain ternal toxicity observed.
Effe mer	cts on foetal develop- t	Embryo-foeta	oit oute: Oral al Toxicity: NOAEL: 80 mg/kg body weight I toxicity: LOAEL: 320 mg/kg body weight arly Resorptions / resorption rate, Late Resorp-
•	productive toxicity - As- sment	: Suspected of	damaging the unborn child.
Cal	cium carbonate:		
Effe	cts on fertility	reproduction/ Species: Rat Application Ro	ombined repeated dose toxicity study with the developmental toxicity screening test pute: Ingestion D Test Guideline 422 ve
Effe mer	cts on foetal develop- nt	Species: Rat Application Re	nbryo-foetal development oute: Ingestion D Test Guideline 414 ve

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Diclazuril Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
3.4	28.09.2024	9374498-00008	Date of first issue: 27.08.2021

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Components:

Diclazuril:

Target Organs Assessment : Liver, Lungs, Lymph nodes: May cause damage to organs through prolonged or repeated exposure.

Repeated dose toxicity

Components:

Diclazuril:

Species NOAEL LOAEL Application Route Exposure time Target Organs	:	Rat 6 mg/kg 74 mg/kg Oral 12 Months Liver, Lungs, Lymph nodes
Species NOAEL LOAEL Application Route Exposure time Target Organs		Rat 4 mg/kg 69 mg/kg Oral 3 Months Liver
Species NOAEL LOAEL Application Route Exposure time Target Organs	:	Mouse 30 mg/kg 60 mg/kg Oral 3 Months Liver
Species NOAEL LOAEL Exposure time	:	Dog 20 mg/kg 80 mg/kg 12 Months
Calcium carbonate:		
Species NOAEL Application Route Exposure time Method	:	Rat > 1,000 mg/kg Ingestion 28 Days OECD Test Guideline 422

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Vers 3.4	sion	Revision Date: 28.09.2024		DS Number: 74498-00008	Date of last issue: 06.04.2024 Date of first issue: 27.08.2021
	Aspiration toxicity Not classified based on available information.				
	Experience with human exposure				
	Components:				
	Diclazuril:				
	Ingesti	on	:	Symptoms: Diarrh	noea
SEC	CTION	12: Ecological infor	ma	tion	
12.1	Toxici	ty			
	Compo	onents:			
	Diclaz	uril:			
	Toxicity	y to fish	:	Exposure time: 96	acrochirus (Bluegill sunfish)): 0.58 mg/l 5 h city at the limit of solubility
		y to daphnia and other invertebrates	:	Exposure time: 48	agna (Water flea)): > 0.63 mg/l 3 h city at the limit of solubility
	Toxicity plants	y to algae/aquatic	:	Exposure time: 72	m capricornutum (green algae)): > 1.1 mg/l 2 h city at the limit of solubility
				Exposure time: 72	um capricornutum (green algae)): 1.1 mg/l 2 h city at the limit of solubility
		y to daphnia and other invertebrates (Chron- ity)	:		d magna (Water flea) city at the limit of solubility
	Calciu	m carbonate:			
	Toxicity	y to fish	:	Exposure time: 96	Vater Accommodated Fraction
		y to daphnia and other invertebrates	:	Exposure time: 48	Vater Accommodated Fraction
	Toxicity plants	y to algae/aquatic	:	NOELR (Pseudok mg/l Exposure time: 72	irchneriella subcapitata (green algae)): 50 2 h

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Vers 3.4	sion	Revision Date: 28.09.2024	-	DS Number: 74498-00008	Date of last issue: 06.04.2024 Date of first issue: 27.08.2021
				Test substance: V Method: OECD T	Water Accommodated Fraction
				mg/l Exposure time: 72	Nater Accommodated Fraction
	Toxicity	to microorganisms	:	NOEC : 1,000 mg Exposure time: 3 Method: OECD T	
				EC50 : > 1,000 m Exposure time: 3 Method: OECD T	
	Sovbea	an meal:			
	Toxicity	to daphnia and other invertebrates	:	Exposure time: 48	nagna (Water flea)): > 100 mg/l 8 h rest Guideline 202
	Toxicity plants	v to algae/aquatic	:	ErC50 (Pseudokii mg/l Exposure time: 72 Method: OECD T	
				mg/l Exposure time: 72	rchneriella subcapitata (green algae)): 11.1 2 h rest Guideline 201
12.2	Persist	tence and degradabil	ity		
	Compo	onents:			
	-	an meal: radability	:	Result: Readily bi Biodegradation: Exposure time: 28 Method: OECD T	84 %
12.3 Bioaccumulative potential					
	Compo	onents:			
	Diclazı	ıril:			
	Bioaccu	umulation	:		s macrochirus (Bluegill sunfish) factor (BCF): 160
	Partition octanol	n coefficient: n- /water	:	log Pow: 4.5 pH: 7	

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Diclazuril Formulation

Revision Date: 28.09.2024			Date of last issue: 06.04.2024 Date of first issue: 27.08.2021
ean meal: on coefficient: n- ol/water	:	log Pow: 1.18 Method: OECD	Test Guideline 107
lity in soil ıta available			
Its of PBT and vPvB	asse	ssment	
uct:			
ssment	:	to be either per	/mixture contains no components considered sistent, bioaccumulative and toxic (PBT), or and very bioaccumulative (vPvB) at levels of
r adverse effects			
<u>uct:</u>			
crine disrupting poten-	- :		/mixture does not contain components consid- idocrine disrupting properties for environment
	28.09.2024 ean meal: on coefficient: n- ol/water lity in soil ta available lts of PBT and vPvB <u>uct:</u> ssment	28.09.2024 93 ean meal: on coefficient: n- : ol/water lity in soil ta available lts of PBT and vPvB asse uct: ssment : radverse effects	28.09.2024 9374498-00008 ean meal: on coefficient: n- ol/water : log Pow: 1.18 Method: OECD lity in soil ta available lts of PBT and vPvB assessment <u>Ict:</u> ssment : This substance, to be either per very persistent 0.1% or higher. r adverse effects <u>Ict:</u> crine disrupting poten- : This substance,

SECTION 13: Disposal considerations

13.1 Waste treatment methods	
Product	 Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. Do not dispose of waste into sewer.
Contaminated packaging	 Empty containers should be taken to an approved waste han- dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

SECTION 14: Transport information

14.1 UN number

:	Not regulated as a dangerous good
:	Not regulated as a dangerous good
:	Not regulated as a dangerous good
:	Not regulated as a dangerous good
:	Not regulated as a dangerous good

14.2 UN proper shipping name

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Diclazuril Formulation

Version 3.4	Revision Date: 28.09.2024		e of last issue: 06.04.2024 e of first issue: 27.08.2021			
AC)N	: Not regulated as a dan	gerous good			
AD	DR	: Not regulated as a dan	gerous good			
RI	D	: Not regulated as a dan	gerous good			
IM	DG	: Not regulated as a dan	gerous good			
IA	ТА	: Not regulated as a dan	gerous good			
14.3 Tra	ansport hazard class(es)					
AD	N	: Not regulated as a dan	gerous good			
AD)R	: Not regulated as a dan	gerous good			
RI	D	: Not regulated as a dan	gerous good			
IM	DG	: Not regulated as a dan	gerous good			
IA	ТА	: Not regulated as a dan	gerous good			
14.4 Packing group						
AC)N	: Not regulated as a dan	gerous good			
AD)R	: Not regulated as a dan	gerous good			
RI	D	: Not regulated as a dan	gerous good			
IM	DG	: Not regulated as a dan	gerous good			
IA	TA (Cargo)	: Not regulated as a dan	gerous good			
IA	TA (Passenger)	: Not regulated as a dan	gerous good			
14.5 En	14.5 Environmental hazards					
No	Not regulated as a dangerous good					
•	14.6 Special precautions for user Not applicable					
	ansport in bulk according marks	to Annex II of Marpol and : Not applicable for prod				

SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17)	:	Not applicable
UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation	:	Not applicable
	:	Not applicable
Regulation (EC) on substances that deplete the ozone layer	:	Not applicable

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Diclazuril Formulation

Version	Revision Date: 28.09.2024	SDS Number:	Date of last issue: 06.04.2024
3.4		9374498-00008	Date of first issue: 27.08.2021
(Anne GB E Inforn	ex XIV) xport and import of ha ned Consent (PIC) Re	ces subject to authorisa zardous chemicals - Pr egulation łazards Regulations 20 Not applicable	ior : Not applicable

Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

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

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

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other informa	tion
Other information	: Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.
Full text of H-Statements	
H361d	: Suspected of damaging the unborn child.
H373	: May cause damage to organs through prolonged or repeated exposure.
Full text of other abbrevia	tions
Repr.	: Reproductive toxicity
STOT RE	: Specific target organ toxicity - repeated exposure
GB EH40	: UK. EH40 WEL - Workplace Exposure Limits
GB EH40 / TWA	: Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL	: Short-term exposure limit (15-minute reference period)
ADN - European Agreemen	t concerning the International Carriage of Dangerous Goods by Inland

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; 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; 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 car-

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



Diclazuril Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
3.4	28.09.2024	9374498-00008	Date of first issue: 27.08.2021

rying 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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; 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

Further information

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/

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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