

Version 7.1	Revision Date: 30.09.2023		S Number: 61112-00018	Date of last issue: 04.04.2023 Date of first issue: 19.12.2016
Section 1	I: Identification			
Prod	uct name	:	Fenbendazole (0	0.5%) Solid Formulation
	ufacturer or supplier's o	deta		
Com	pany	:	MSD	
Addr	ess	:	33 Whakatiki Str Upper Hutt - Nev	eet - Private Bag 908 v Zealand
Tele	phone	:	0800 800 543	
Eme	rgency telephone numbe	r :	0800 764 766 (0 CHEMCALL)	800 POISON) 0800 243 622 (0800
E-ma	ail address	:	EHSDATASTEW	/ARD@msd.com
Beer	ommended use of the c	ham	ical and reatriation	
	ommended use of the c	nem :	Veterinary produ	
	rictions on use	:	Not applicable	
ection 2	2: Hazard identification			
	Classification	:	Category 1	
tation		•	Category	
Repr	oductive toxicity	:	Category 2	
	ardous to the aquatic conment - acute hazard	:	Category 1	
	ardous to the aquatic conment - chronic hazard	:	Category 2	
GHS	label elements			
	ard pictograms	:		
Sign	al word	:	Danger	\mathbf{v}
Haza	ard statements	:	H318 Causes se	rious eve damage.

Hazard statements : H318 Causes serious eye damage. H361fd Suspected of damaging fertility. Suspected of damaging the unborn child. H400 Very toxic to aquatic life.



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		H411 Toxic to	aquatic life with lo	ng lasting effects.
Preca	autionary statements	P202 Do not h and understoo P273 Avoid rel	d. ease to the enviro otective gloves/ pro	ty precautions have been rea
		water for sever and easy to do CENTER/ doct	ral minutes. Remo b. Continue rinsing. tor. F exposed or conc	N EYES: Rinse cautiously winve contact lenses, if present Immediately call a POISON erned: Get medical advice/
		Storage: P405 Store loc	ked up.	
		Disposal:		iner to an approved waste
Othe	r hazards which do r	not result in classifica	tion	
		e mechanical irritation r mixture during proces		
Section 3	: Composition/inform	nation on ingredients		
Subst	tance / Mixture	: Mixture		
Com	ponents			
Chem	nical name		CAS-No.	Concentration (% w/w)

Chemical name	CAS-No.	Concentration (% w/w)
Calcium bis(dihydrogenorthophosphate) mono-	10031-30-8	>= 30 -< 50
hydrate		
Calcium carbonate	471-34-1	>= 20 -< 30
Langbeinite	14977-37-8	>= 1 -< 10
Paraffin oil	8012-95-1	>= 1 -< 2.5
fenbendazole	43210-67-9	>= 0.25 -< 1

Section 4: First-aid measures

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



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	In case	of skin contact	:	Get medical atten In case of contact of water.	tion. , immediately flush skin with soap and plenty
	In case	of eye contact	:	Remove contamir Get medical atten Wash clothing bet Thoroughly clean In case of contact for at least 15 min If easy to do, rem	fore reuse. shoes before reuse. , immediately flush eyes with plenty of water putes. ove contact lens, if worn.
	If swalle	owed	:	Get medical atten If swallowed, DO Get medical atten Rinse mouth thore	NOT induce vomiting. tion.
		nportant symptoms ects, both acute and d	:	Causes serious e Suspected of dam unborn child. Contact with dust	
		ion of first-aiders	and use the recommended personal p		ers should pay attention to self-protection, nmended personal protective equipment I for exposure exists (see section 8).
0		o physician	:	Treat symptomati	cally and supportively.
Sec		Fire-fighting measure	S		
	Suitable	e extinguishing media	:	Water spray Alcohol-resistant t Carbon dioxide (C Dry chemical	
	Unsuita media	able extinguishing	:	None known.	
		c hazards during fire-	:	concentrations, an potential dust exp	dust; fine dust dispersed in air in sufficient nd in the presence of an ignition source is a losion hazard. pustion products may be a hazard to health.
	Hazard ucts	ous combustion prod-	:	Oxides of phosph Metal oxides Carbon oxides Chlorine compour	
	Specific ods	c extinguishing meth-	:	cumstances and t Use water spray t Remove undamag so.	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
	for firefi	protective equipment ighters em Code	:		e, wear self-contained breathing apparatus. rective equipment.

Section 6: Accidental release measures



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tive e	onal precautions, protec- equipment and emer- y procedures	:	Follow safe hand	tective equipment. ling advice (see section 7) and personal pro- t recommendations (see section 8).		
Envir	Environmental precautions		Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.			
	ods and materials for ainment and cleaning up	:	tainer for disposa Avoid dispersal o with compressed Dust deposits sho es, as these may leased into the at Local or national posal of this mate employed in the o mine which regula Sections 13 and	f dust in the air (i.e., clearing dust surfaces		
Section 7	: Handling and storage	•				
Tech	Technical measures		causing an explore Provide adequate	nay accumulate and ignite suspended dust sion. e precautions, such as electrical grounding nert atmospheres.		
1 000	I/Total vontilation	: Use only with adequate ventilation				

itilation :	Use only with adeq	uate ventilation.

Local/Total ventilation	: Use only with adequate ventilation.
Advice on safe handling	: Do not breathe dust.
C	Do not swallow.
	Do not get in 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
	Keep container tightly closed.
	Minimize dust generation and accumulation.
	Keep container closed when not in use.
	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.
Hygiene measures	: 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,



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Cond	litions for safe storage	appropriate dego industrial hygien use of administra Keep in properly Keep tightly clos Store in accorda Do not store with	owning and decontamination procedures, e monitoring, medical surveillance and the ative controls. labelled containers. ed. nce with the particular national regulations. n the following product types:
		Strong oxidizing	agents

Section 8: Exposure controls/personal protection

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Calcium carbonate	471-34-1	WES-TWA	10 mg/m3 (Calcium car- bonate)	NZ OEL
Paraffin oil	8012-95-1	WES-TWA (Mist)	5 mg/m3	NZ OEL
		WES-STEL (Mist)	10 mg/m3	NZ OEL
		TWA (Inhal- able particu- late matter)	5 mg/m3	ACGIH
fenbendazole	43210-67-9	TWA	100 µg/m3 (OEB 2)	Internal

Components with workplace control parameters

Engineering measures	:	Use feasible engineering controls to minimize exposure to compound. All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment.
Personal protective equipm	ent	
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. Combined particulates and organic vapour type
Hand protection		
Material	:	Chemical-resistant gloves
Eye 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.



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Section 9: Physical and chemical properties				
Appearance	:	powder		
Colour	:	No data available		
Odour	:	No data available		
Odour Threshold	:	No data available		
рН	:	No data available		
Melting point/freezing point	:	No data available		
Initial boiling point and boiling range	:	No data available		
Flash point	:	Not applicable		
Evaporation rate	:	No data available		
Flammability (solid, gas)	:	May form explosive dust-air mixture during processing, han- dling or other means.		
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		
Relative density	:	No data available		
Density	:	No data available		
Solubility(ies) Water solubility	:	No data available		
Partition coefficient: n- octanol/water	:	No data available		
Auto-ignition temperature	:	No data available		
Decomposition temperature	:	No data available		
Viscosity Viscosity, kinematic	:	No data available		



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Explo	sive properties	:	Not explosive		
Oxidi	zing properties	:	The substance	or mixture is not classified as oxidizing.	
	cular weight	:	No data available		
	cle size	:	No data available		
ection 1	0: Stability and reactiv	vity			
	tivity hical stability ibility of hazardous read	:	Stable under no May form explo- dling or other m	s a reactivity hazard. rmal conditions. sive dust-air mixture during processing, han- eans. strong oxidizing agents.	
Incom	itions to avoid npatible materials rdous decomposition ucts	:	 Heat, flames and sparks. Avoid dust formation. Oxidizing agents No hazardous decomposition products are known. 		
ection 1	1: Toxicological inform	natio	'n		
Expo	sure routes	:	: Inhalation Skin contact Ingestion Eye contact		
Not c	e toxicity lassified based on avai	able	information.		
	ponents:				
Calci		-	 hophosphate) monohydrate: LD50 (Rat): > 2,000 mg/kg Remarks: Based on data from similar materials 		
	e oral toxicity	•			
Acute	e oral toxicity	:	Remarks: Based LC50 (Rat): > 2.1 Exposure time: 4 Test atmosphere Method: OECD	on data from similar materials 6 mg/l h	
Acute			Remarks: Based LC50 (Rat): > 2.1 Exposure time: 4 Test atmosphere Method: OECD	on data from similar materials 6 mg/l h c: dust/mist Fest Guideline 403 on data from similar materials	
Acute Acute Acute	e inhalation toxicity		Remarks: Based LC50 (Rat): > 2.0 Exposure time: 4 Test atmosphere Method: OECD Remarks: Based	on data from similar materials 6 mg/l h c: dust/mist Fest Guideline 403 on data from similar materials	



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		icity	
Acute	inhalation toxicity		ŀĥ
Acute	dermal toxicity		000 mg/kg Fest Guideline 402 e substance or mixture has no acute dermal
Langb	einite:		
-	oral toxicity		000 mg/kg Fest Guideline 425 I on data from similar materials
Acute	dermal toxicity		000 mg/kg Fest Guideline 402 I on data from similar materials
Paraff	in oil:		
Acute	oral toxicity	: LD50 (Rat): > 5,0	000 mg/kg
Acute	dermal toxicity	: LD50 (Rabbit): > Assessment: The toxicity	2,000 mg/kg e substance or mixture has no acute dermal
fenbei	ndazole:		
Acute	oral toxicity	: LD50 (Rat): > 10	,000 mg/kg
		LD50 (Mouse): >	• 10,000 mg/kg
Skin c	orrosion/irritation		
Not cla	assified based on av	ilable information.	
<u>Comp</u>	onents:		
		rthophosphate) monol	nydrate:
Specie Result		: Rabbit : No skin irritation	
Calciu	m carbonate:		
Specie Metho		: Rabbit	
	4	: OECD Test Guid	Lalian 101



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Lang	peinite:		
Specie	es	: reconstructe	d human epidermis (RhE)
Metho	d	: Regulation (EC) No. 440/2008, Annex, B.46
Result	-	: No skin irrita	
Rema	rks	: Based on da	ata from similar materials
Paraf	fin oil:		
Specie		: Rabbit	
Result	t	: No skin irrita	ition
fenbe	ndazole:		
Specie		: Rabbit	
Result	t	: No skin irrita	ition
Serio	us eye damage/eye	irritation	
Cause	es serious eye damag	le.	
<u>Comp</u>	oonents:		
	um bis(dihydrogeno		onohydrate:
Specie Result		: Rabbit	effects on the eye
Nesun	ι	. Ineversible	enects on the eye
Calciu	um carbonate:		
Specie		: Rabbit	
Result		: No eye irrita	tion
Metho	od	: OECD Test	Guideline 405
-	peinite:		
Specie		: Rabbit	
Result			eyes, reversing within 7 days
	DC		Guideline 405 ata from similar materials
Metho		. Decedend	
		: Based on da	ata morri siriniar materiais
Metho Rema Paraff	rks fin oil:		
Metho Rema Parafi Specie	rks f in oil: es	: Rabbit	
Metho Rema Paraff	rks f in oil: es		
Metho Rema Paraff Specie Result	rks f in oil: es	: Rabbit	
Metho Rema Paraff Specie Result	rks fin oil: es t ndazole: es	: Rabbit	tion

Skin sensitisation

Not classified based on available information.



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Respiratory sensitisation

Not classified based on available information.

Components:

Calcium bis(dihydrogenorth	opl	hosphate) monohydrate:
Test Type	:	Local lymph node assay (LLNA)
Exposure routes	:	Skin contact
Species	:	Mouse
Method	:	OECD Test Guideline 429
Result	:	negative
Remarks	:	Based on data from similar materials
Calcium carbonate:		
Test Type	:	Local lymph node assay (LLNA)
Exposure routes	:	Skin contact
Species	:	Mouse
Method	:	OECD Test Guideline 429
Result	:	negative
Langbeinite:		
Test Type	:	Local lymph node assay (LLNA)
Exposure routes	:	Skin contact
Species	:	Mouse
Method	:	OECD Test Guideline 429
Result	:	negative
Remarks	:	Based on data from similar materials

Chronic toxicity

Germ cell mutagenicity

Not classified based on available information.

Components:

Calcium bis(dihydrogenorthophosphate) monohydrate:

Genotoxicity in vitro :	Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative Remarks: Based on data from similar materials	
	Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative Remarks: Based on data from similar materials	
	Test Type: in vitro micronucleus test Method: OECD Test Guideline 487 Result: negative Remarks: Based on data from similar materials	



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-	ium carbonate:						
Geno	otoxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative					
			rromosome aberration test in vitro D Test Guideline 473 ve				
			vitro mammalian cell gene mutation test D Test Guideline 476 ve				
Lang	jbeinite:						
Geno	otoxicity in vitro	Method: OEC Result: negati	rromosome aberration test in vitro D Test Guideline 473 ve sed on data from similar materials				
		Method: OEC Result: negati	icterial reverse mutation assay (AMES) D Test Guideline 471 ve sed on data from similar materials				
			vitro mammalian cell gene mutation test D Test Guideline 476 ve				
		5	ed on data from similar materials				
fenb	endazole:						
Geno	otoxicity in vitro	: Test Type: Ba Result: negati	cterial reverse mutation assay (AMES) ve				
		Test Type: DN Result: negati					
		Test Type: Ch Result: negati	romosomal aberration ve				
			mouse lymphoma cells vation: Metabolic activation				

Carcinogenicity

Not classified based on available information.



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Components:

fenbendazole:		
Species Application Route Exposure time NOAEL Result	:	Mouse oral (feed) 2 Years 405 mg/kg body weight negative
Species Application Route Exposure time NOAEL Result Target Organs	:	Rat Oral 2 Years 5 mg/kg body weight negative Lymph nodes, Liver

Reproductive toxicity

Suspected of damaging fertility. Suspected of damaging the unborn child.

Components:

Calcium bis(dihydrogenorthophosphate) monohydrate:

Effects on fertility	:	Test Type: Reproduction/Developmental toxicity screening test Species: Rat Application Route: Ingestion Method: OECD Test Guideline 421 Result: negative Remarks: Based on data from similar materials
Effects on foetal develop- ment	:	Test Type: Embryo-foetal development Species: Rat Application Route: Ingestion Result: negative
Calcium carbonate:		
Effects on fertility	:	Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat Application Route: Ingestion Method: OECD Test Guideline 422 Result: negative
Effects on foetal develop- ment	:	Test Type: Embryo-foetal development Species: Rat Application Route: Ingestion Method: OECD Test Guideline 414 Result: negative
Langbeinite:		
Effects on fertility	:	Test Type: Combined repeated dose toxicity study with the



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		S A M R	becies: Rat oplication Route ethod: OECD T esult: negative	elopmental toxicity screening test e: Ingestion est Guideline 422 on data from similar materials
	Effects on foetal develop-		production/devo pecies: Rat oplication Route ethod: OECD T esult: negative	ined repeated dose toxicity study with the elopmental toxicity screening test e: Ingestion est Guideline 422 on data from similar materials
fenh	pendazole:			
	cts on fertility	S A G Fe	pecies: Rat oplication Route eneral Toxicity	- Parent: NOAEL: 15 mg/kg body weight 45 mg/kg body weight
	Effects on foetal develop- ment		esult: Embryoto	nale
		S A D	pecies: Rabbit	oxicity: NOAEL: 25 mg/kg body weight
		S A	pecies: Rabbit	/o-foetal development e: Oral oxicity: LOAEL: 63 mg/kg body weight
		S A D	pecies: Rat oplication Route evelopmental T	vo-foetal development e: Oral oxicity: NOAEL: 120 mg/kg body weight s on foetal development
	roductive toxicity - As- sment	fe ad	rtility, based on	f adverse effects on sexual function and animal experiments., Some evidence of n development, based on animal experi-



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STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Components:

fenbendazole:

Exposure routes Target Organs Assessment Ingestion
Liver, Stomach, Nervous system, Lymph nodes
May cause damage to organs through prolonged or repeated exposure.

Repeated dose toxicity

Components:

Calcium bis(dihydrogenorthophosphate) monohydrate:

NOAEL :	Rat > 300 mg/kg Ingestion
	28 Days
	OECD Test Guideline 407 Based on data from similar materials

Calcium carbonate:

Species	:	Rat
NOAEL	:	> 1,000 mg/kg
Application Route	:	Ingestion
Exposure time	:	28 Days
Method	:	OECD Test Guideline 422

Langbeinite:

Species :	Rat
NOAEL :	> 100 mg/kg
Application Route :	Ingestion
Exposure time :	28 d
Method :	OECD Test Guideline 422
Remarks :	Based on data from similar materials

Paraffin oil:

Species	: Rat, female
LÕAEL	: 161 mg/kg
Application Route	: Ingestion
Exposure time	: 90 Days

fenbendazole:

Species



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LOAE	E	: 500 mg/kg	
	cation Route	: Oral	
	sure time et Organs	: 2 Weeks : Kidney, Liver	
Targe	at Organs	. Ridney, Liver	
Speci	es	: Rat	
NOAE	L cation Route	: > 2,500 mg/kg : Oral	
	sure time	: 30 Days	
Rema			adverse effects were reported
Speci	es	: Rat	
LOAE		: 1,600 mg/kg	
	cation Route	: Oral	
	sure time et Organs	: 90 Days : Central nervou	e system
Symp		: Tremors	s system
Speci	65	: Dog	
NOAE		: 4 mg/kg	
LOAE		: 8 mg/kg	
	sure time	: 6 Months	erre erretere langelere
raige	et Organs	. Stomach, Nerv	ous system, Lymph nodes
Aspir	ation toxicity		
Not cl	assified based on ava	ailable information.	
<u>Comp</u>	oonents:		
Paraf	fin oil:		
			an aspiration toxicity hazards or has to be re
garde	d as if it causes a hur	man aspiration toxicity	hazard.
fenbe	endazole:		
	piration toxicity classi	fication	
Expe	rience with human e	xposure	
Comp	oonents:		
	endazole:		
Inges		: Symptoms: Ra	pid respiration, Salivation, anorexia, Diarrho
-	2: Ecological inform		
Ecoto	oxicity		

Components:

Calcium bis(dihydrogenorthophosphate) monohydrate:

Toxicity to fish : LC50 (Oryzias latipes (Japanese medaka)): > 100 mg/l



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				Exposure time: 96 Method: OECD Te Remarks: Based of	
		v to daphnia and other invertebrates	:	Exposure time: 48 Method: OECD Te	
	Toxicity plants	v to algae/aquatic	:	mg/l Exposure time: 72 Method: OECD Te	chneriella subcapitata (green algae)): > 100 2 h est Guideline 201 on data from similar materials
	Toxicity	v to microorganisms	:	EC50: > 100 mg/l Exposure time: 3 Method: OECD Te Remarks: Based o	
	Calciur Toxicity	m carbonate: v to fish	:	Exposure time: 96	Vater Accommodated Fraction
		v to daphnia and other invertebrates	:	Exposure time: 48	Vater Accommodated Fraction
	Toxicity plants	v to algae/aquatic	:	mg/l Exposure time: 72	Vater Accommodated Fraction
				mg/l Exposure time: 72	Vater Accommodated Fraction
	Toxicity	v to microorganisms	:	NOEC: 1,000 mg/ Exposure time: 3 Method: OECD Te EC50: > 1,000 mg Exposure time: 3	h est Guideline 209 g/l h
				Method: OECD Te	est Guideline 209



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l angl	peinite:			
-	ty to fish		LC50 (Opcorbyr	nchus mykiss (rainbow trout)): > 100 mg
TUXICI		•	Exposure time: 9 Method: OECD	
	ty to daphnia and other ic invertebrates	:	Exposure time:	magna (Water flea)): > 100 mg/l 48 h d on data from similar materials
Paraf	fin oil:			
Toxici	ty to fish	:		lmus maximus (turbot)): > 100 mg/l
				Water Accommodated Fraction d on data from similar materials
	ty to daphnia and other	:		nsa (Calanoid copepod)): > 100 mg/l
aquat	ic invertebrates		Exposure time: 4	48 h Water Accommodated Fraction
				d on data from similar materials
Toxici	ty to algae/aquatic	:		ema costatum (marine diatom)): > 100 r
plants			Exposure time:	72 h Water Accommodated Fraction
				d on data from similar materials
				onema costatum (marine diatom)): > 1 n
			Exposure time:	72 h Water Accommodated Fraction
				d on data from similar materials
fenbe	ndazole:			
	ty to fish	:	LC50 (Lepomis Exposure time: 2	macrochirus (Bluegill sunfish)): 0.009 m 21 d
	ty to daphnia and other	:	· ·	magna (Water flea)): 0.0088 mg/l
aquat	ic invertebrates		Exposure time: 4 Method: OECD	48 h Test Guideline 202
M-Fac	ctor (Acute aquatic tox-	:	100	
icity)	ty to daphnia and other		NOEC (Danhaia	n magna (Water flea)): 0.00113 mg/l
	ic invertebrates (Chron-	•	Exposure time: 2	
M-Fac toxicit	ctor (Chronic aquatic y)	:	10	
Persi	stence and degradabili	ty		



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Bioa	ccumulative potential			
	ponents:			
	ffin oil:			
Partit	ion coefficient: n- ol/water	:	log Pow: > 4 Remarks: Calcula	ation
fenbe	endazole:			
	ion coefficient: n- ol/water	:	log Pow: 3.32	
Mobi	lity in soil			
Com	ponents:			
fenbe	endazole:			
	bution among environ- al compartments	:	log Koc: 3.8 - 4.7 Method: FDA 3.0	
	r adverse effects ata available			
Section 1	3: Disposal considerat	tion	S	
Disp	osal methods			
-	e from residues	:		f waste into sewer.
Conta	aminated packaging	:	Empty containers dling site for recy	ordance with local regulations. s should be taken to an approved waste han- cling or disposal. pecified: Dispose of as unused product.
Section 1	4: Transport information	on		
Inter	national Regulations			
UNR [.] UN n	TDG umber	:	UN 3077	

UN number Proper shipping name	:	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
		N.O.S. (fenbendazole)
Class	:	9
Packing group	:	III
Labels	:	9
Environmentally hazardous	:	yes
IATA-DGR		
UN/ID No.	:	UN 3077
Proper shipping name	:	Environmentally hazardous substance, solid, n.o.s. (fenbendazole)
Class	:	9



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Pac Lab	sking group vels	:	III Miscellaneous	
	king instruction (cargo raft)	:	956	
Packing instruction (passen- ger aircraft)		:	956	
Ĕn	vironmentally hazardous	:	yes	
UN)G-Code number per shipping name	:		ALLY HAZARDOUS SUBSTANCE, SOLID,
Cla	ss	:	N.O.S. (fenbendazole) 9	
Lab	sking group vels S Code	:	III 9 F-A, S-F	
	rine pollutant	:	yes	

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

NZS 5433 UN number Proper shipping name	:	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (fenbendazole)
Class	:	9
Packing group	:	III
Labels	:	9
Hazchem Code	:	2Z
Marine pollutant	:	no

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Section 15: Regulatory information

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

HSNO Approval Number

not allocated

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

AICS :	:	not determined
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DSL : not determined



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	IECSC		:	not determined		
Section 16: Other information						
	Revisio	n Date	:	30.09.2023		
	Further information					
	Sources of key data used to compile the 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/		
	Date format		:	dd.mm.yyyy		
	Full text of other abbreviations					
	ACGIH NZ OEI		:		eshold Limit Values (TLV) orkplace Exposure Standards for Atmospher-	
		/ TWA L / WES-TWA L / WES-STEL	:		hted average ure Standard - Time Weighted average ure Standard - Short-Term Exposure Limit	
	AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMF					

Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect 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 Recom-



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mendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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

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