according to the OSHA Hazard Communication Standard



Fenbendazole (2.50%) Liquid Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 04/06/2024
3.0	07/06/2024	10846399-00006	Date of first issue: 09/06/2022
3.0	07/00/2024	10840399-00000	Date of first issue. 09/00/2022

SECTION 1. IDENTIFICATION

Product name Other means of identification	:			
Manufacturer or supplier's details				
Company name of supplier	:	Merck & Co., Inc		
Address	:	126 E. Lincoln Avenue		
		Rahway, New Jersey U.S.A. 07065		
Telephone	:	908-740-4000		
Emergency telephone	:	1-908-423-6000		
E-mail address	:	EHSDATASTEWARD@merck.com		
Recommended use of the chemical and restrictions on use				
Recommended use	:	Veterinary product		
Restrictions on use	:	Not applicable		

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in acco 1910.1200)	ordan	ce with the OSHA Hazard Communication Standard (29 CFR
Reproductive toxicity	:	Category 2

GHS label elements
Hazard pictograms



1

Signal Word	:	Warning
Hazard Statements	:	H361fd Suspected of damaging fertility. Suspected of damaging the unborn child. H373 May cause damage to organs (Liver, Stomach, Nervous system, Lymph nodes) through prolonged or repeated exposure if swallowed.
Precautionary Statements	:	 Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe mist or vapors. P280 Wear protective gloves, protective clothing, eye protection and face protection.
		Response:

P308 + P313 IF exposed or concerned: Get medical attention.

according to the OSHA Hazard Communication Standard



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Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents and container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mix

Components

Chemical name	CAS-No.	Concentration (% w/w)
Silicon dioxide	7631-86-9	3
fenbendazole	43210-67-9	2.5
Benzyl alcohol	100-51-6	0.5

SECTION 4. FIRST AID MEASURES

General advice	:	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
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.
In case of eye contact	:	
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention.
Most important symptoms and effects, both acute and	:	unborn child.
delayed		May cause damage to organs through prolonged or repeated exposure if swallowed.
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).
Notes to physician	:	Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media :

Water spray Alcohol-resistant foam



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Unsuitable extinguish media Specific hazards duri fighting Hazardous combustic ucts	Dry che ning : None k ng fire : Exposu on prod- : Carbon	nown. ure to combusti n oxides n oxides (NOx) oxides	on products may be a hazard to health.		
Specific extinguishing ods	cumsta Use wa Remov so. Evacua	ances and the s ater spray to co re undamaged o ate area.	asures that are appropriate to local cir- surrounding environment. ol unopened containers. containers from fire area if it is safe to do		
Special protective eq for fire-fighters		: In the event of fire, wear self-contained breathing app Use personal protective equipment.			
SECTION 6. ACCIDENTAL RELEASE MEASURES					
Personal precautions tive equipment and e gency procedures	mer- Follow		ve equipment. advice (see section 7) and personal recommendations (see section 8).		
Environmental preca	Preven Preven oil barri Retain Local a	t spreading over iers). and dispose of	nvironment. ge or spillage if safe to do so. er a wide area (e.g., by containment or ^c contaminated wash water. Ild be advised if significant spillages		
Methods and materia containment and clea	aning up For larg contain can be contain Clean u absorb Local o disposa employ determ Section	ge spills, provid iment to keep n pumped, store er. up remaining m ent. or national regul al of this materi red in the clean ine which regul ns 13 and 15 of	sorbent material. le diking or other appropriate naterial from spreading. If diked material recovered material in appropriate naterials from spill with suitable lations may apply to releases and ial, as well as those materials and items up of releases. You will need to lations are applicable. I this SDS provide information regarding al requirements.		

SECTION 7. HANDLING AND STORAGE

Technical measures	:	See Engineering measures under EXPOSURE
		CONTROLS/PERSONAL PROTECTION section.



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	Advice on safe handling : Do not breath Do not swalld Avoid contact Avoid prolong Handle in acc practice, base assessment		•
Condi	tions for safe storage		y labeled containers. ance with the particular national regulations.
Mater	ials to avoid		th the following product types:

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Silicon dioxide	7631-86-9	TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m3 / %SiO2 (Silica)	OSHA Z-3
		TWA	6 mg/m³ (Silica)	NIOSH REL
fenbendazole	43210-67-9	TWA	100 µg/m3 (OEB 2)	Internal
Benzyl alcohol	100-51-6	TWA	10 ppm	US WEEL

Ingredients with workplace control parameters

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. Laboratory operations do not require special containment.

Personal protective equipment

Respiratory protection

General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air

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		release, expo	rator if there is any potential for uncontrolled sure levels are unknown, or any other where air purifying respirators may not provide ection.
	protection aterial	: Chemical-resi	stant gloves
Eye p	protection	If the work en mists or aeros Wear a facest	lasses with side shields or goggles. vironment or activity involves dusty conditions, sols, wear the appropriate goggles. hield or other full face protection if there is a irect contact to the face with dusts, mists, or
	and body protection ene measures	: If exposure to eye flushing s working place When using d Wash contam The effective engineering co appropriate de industrial hygi	or laboratory coat. chemical is likely during typical use, provide ystems and safety showers close to the o not eat, drink or smoke. inated clothing before re-use. operation of a facility should include review of ontrols, proper personal protective equipment, egowning and decontamination procedures, ene monitoring, medical surveillance and the strative controls.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	off-white
Odor	:	No data available
Odor 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	:	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	:	No data available





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	flamma	bility limit			
	Vapor pressure Relative vapor density		:	No data available)
			:	No data available)
	Relative	e density	:	No data available)
	Density	,	:	No data available)
	Solubili Wat	ty(ies) er solubility	:	No data available)
	Partitio octanol	n coefficient: n-	:	Not applicable	
		nition temperature	:	No data available)
	Decom	position temperature	:	No data available)
	Viscosi Visc	ty cosity, kinematic	:	No data available	9
	Explosi	ve properties	:	Not explosive	
	Oxidiziı	ng properties	:	The substance o	r mixture is not classified as oxidizing.
	Molecu	lar weight	:	No data available)
	Particle Particle	e characteristics e size	:	Not applicable	

SECTION 10. STABILITY AND REACTIVITY

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

SECTION 11. TOXICOLOGICAL INFORMATION

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

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Acute	toxicity			
Not cl	assified based on ava	ailable inform	ation.	
Comp	oonents:			
Silico	n dioxide:			
Acute	oral toxicity		· · ·	000 mg/kg Test Guideline 401
Acute	inhalation toxicity	Expos Test a Asses		
Acute	dermal toxicity	: LD50	(Rabbit): >	> 5,000 mg/kg
fenbe	ndazole:			
Acute	oral toxicity	: LD50	(Rat): > 10),000 mg/kg
		LD50	(Mouse): :	> 10,000 mg/kg
Benzy	/l alcohol:			
Acute	oral toxicity	: LD50	(Rat): 1,62	20 mg/kg
Acute	inhalation toxicity	Expo Test a		
	corrosion/irritation	ilable informe		
	onents:	anable morm	ation.	
Silico Specie	n dioxide:	: Rabb	it	
Metho	d	: OECI	D Test Gui	
Resul	t	: No sk	kin irritation	
fenbe	ndazole:			
Specie		: Rabb		
Resul	L	: No sk	kin irritation	
Benzy	/l alcohol:			
Specie		: Rabb		
Metho Resul			D Test Gui kin irritation	
	-			

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	ous eye damage/eye lassified based on av			
Com	ponents:			
Silico	on dioxide:			
Spec Resu Meth	llt	:	Rabbit No eye irritation OECD Test Gui	
fenbe	endazole:			
Spec Resu		:	Rabbit No eye irritatior	1
Benz	yl alcohol:			
Spec	ies	:	Rabbit	
Resu Meth		:	Irritation to eyes OECD Test Gui	s, reversing within 21 days ideline 405
Resp	piratory or skin sensi	itizatio	n	

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Components:

Benzyl alcohol:

Test Type	:	Maximization Test
Routes of exposure	:	Skin contact
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	negative

Germ cell mutagenicity

Not classified based on available information.

Components:

Silicon dioxide:		
Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative
Genotoxicity in vivo	:	Test Type: Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis) Species: Rat Application Route: Ingestion Result: negative





rsion	Revision Date: 07/06/2024		Number: 16399-00006	Date of last issue: 04/06/2024 Date of first issue: 09/06/2022
fenbe	endazole:			
Geno	toxicity in vitro		est Type: Bact Result: negative	erial reverse mutation assay (AMES)
			Test Type: DNA Result: negative	
			est Type: Chro Result: negative	mosomal aberration
		۲ ۱		ouse lymphoma cells tion: Metabolic activation
Benzy	yl alcohol:			
-	toxicity in vitro		est Type: Bact Result: negative	erial reverse mutation assay (AMES)
Geno	toxicity in vivo	c S	cytogenetic assa Species: Mouse	
			Result: negative	te: Intraperitoneal injection
	nogenicity	F	Result: negative	
Not cl	assified based on av	F	Result: negative	
Not cl <u>Comp</u>	assified based on av ponents:	F	Result: negative	
Not cl <u>Comp</u> Silico	assified based on av ponents: on dioxide:	F vailable in	Result: negative	
Not cl <u>Comp</u> Silico Speci	assified based on av ponents: on dioxide:	F vailable in : F	Result: negative	
Not cl Comp Silico Speci Applic	assified based on av <u>conents:</u> n dioxide: es cation Route sure time	F vailable in : F : I : 1	Result: negative formation. Rat	
Not cl Comp Silico Speci Applic Expos Resul	assified based on av <u>conents:</u> on dioxide: es cation Route sure time t	F vailable in : F : I : 1	Result: negative formation. Rat ngestion 03 weeks	
Not cl Comp Silico Speci Applic Expos Resul	assified based on av <u>conents:</u> on dioxide: es cation Route sure time t endazole:	F vailable in : F : I : 1 : r	Result: negative formation. Rat ngestion 03 weeks negative	
Not cl Comp Silico Speci Applic Expos Resul fenbe Speci Applic	assified based on av <u>conents:</u> es cation Route sure time t endazole: es cation Route	F vailable in : F : 1 : 1 : r : N : C	Result: negative formation. Rat ngestion 03 weeks negative Mouse oral (feed)	
Not cl Comp Silico Speci Applic Expos Resul fenbe Speci Applic Expos	assified based on av <u>conents:</u> es cation Route sure time t endazole: es cation Route sure time	F vailable in : F : 1 : 1 : 7 : 8 : 0 : 2	Result: negative formation. Rat ngestion 03 weeks negative Mouse oral (feed) 2 Years	
Not cl Comp Silico Speci Applic Expos Resul fenbe Speci Applic	assified based on av <u>conents:</u> on dioxide: es cation Route sure time t endazole: es cation Route sure time EL	F vailable in : F : 1 : 1 : 7 : 8 : 0 : 2 : 2 : 2	Result: negative formation. Rat ngestion 03 weeks negative Mouse oral (feed)	
Not cl Comp Silico Speci Applic Expos Resul fenbe Speci Applic Expos NOAE	assified based on av <u>conents:</u> on dioxide: es cation Route sure time t endazole: es cation Route sure time EL t	F vailable in : F : 1 : 1 : 1 : 1 : 2 : 2 : 2 : 2 : 7	Result: negative formation. Rat ngestion 03 weeks negative Mouse oral (feed) 2 Years 105 mg/kg body	
Not cl Comp Silico Speci Applic Expos Resul fenbe Speci Applic Expos NOAE Resul Speci Applic Expos Speci Applic Expos Resul	assified based on av <u>conents:</u> on dioxide: es cation Route sure time t es cation Route sure time EL t es cation Route sure time EL t	F vailable in : F : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1	Result: negative formation. Rat ngestion 03 weeks negative Mouse pral (feed) 2 Years 105 mg/kg body negative Rat Dral	
Not cl Comp Silico Speci Applic Expos Resul fenbe Speci Applic Expos NOAE Resul Speci Applic Expos NOAE Resul	assified based on av <u>conents:</u> on dioxide: es cation Route sure time t es cation Route sure time EL t es cation Route sure time t es cation Route sure time t	F vailable in : F : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1	Result: negative formation. Rat ngestion 03 weeks negative Mouse oral (feed) 2 Years 105 mg/kg body negative Rat Dral 2 Years	weight
Not cl Comp Silico Speci Applic Expos Resul fenbe Speci Applic Expos NOAE Resul Speci Applic Expos Speci Applic Expos Resul	assified based on av <u>conents:</u> on dioxide: es cation Route sure time t es cation Route sure time EL t es cation Route sure time EL t	F vailable in : F : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1	Result: negative formation. Rat ngestion 03 weeks negative Mouse pral (feed) 2 Years 105 mg/kg body negative Rat Dral	weight





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	Species Applica	ition Ro Ire time		:	Mouse Ingestion 103 weeks OECD Test Guide negative	line 451
	IARC					at levels greater than or equal to 0.1% is onfirmed human carcinogen by IARC.
	OSHA				this product preser regulated carcinog	nt at levels greater than or equal to 0.1% is ens.
	NTP					at levels greater than or equal to 0.1% is carcinogen by NTP.
	•		toxicity lamaging fertilit	y. S	uspected of dama	jing the unborn child.
	Compo	onents:				
		on fetal	e: development	:	Test Type: Embry Species: Rat Application Route Result: negative	o-fetal development : Ingestion
	fenben	dazole	:			
		on fertil		:	Species: Rat Application Route General Toxicity F	Parent: NOAEL: 15 mg/kg body weight
	Effects	on fetal	development	:	Result: Embryoto:	nale
					Species: Rabbit Application Route	oxicity: NOAEL: 25 mg/kg body weight
					Species: Rabbit Application Route	o-fetal development : Oral oxicity: LOAEL: 63 mg/kg body weight

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				Species: Rat Application Route Developmental To	o-fetal development : Oral xicity: NOAEL: 120 mg/kg body weight on fetal development.
	Reproductive toxicity - As- sessment		:	Some evidence of adverse effects on sexual function and fertility, based on animal experiments., Some evidence of adverse effects on development, based on animal experiments.	
В	enzyl alcohol:	:			
Ef	fects on fertilit	у	:	Species: Rat Application Route Result: negative	r/early embryonic development Ingestion on data from similar materials
Ef	fects on fetal o	development	:	Test Type: Embry Species: Mouse Application Route Result: negative	o-fetal development

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

May cause damage to organs (Liver, Stomach, Nervous system, Lymph nodes) through prolonged or repeated exposure if swallowed.

Components:

fenbendazole:

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

Repeated dose toxicity

Components:

Silicon dioxide:

Species	:	Rat
NOAEL	:	1.3 mg/m³
Application Route	:	inhalation (dust/mist/fume)
Exposure time	:	13 Weeks

fenbendazole:

Species	:	Rat
LÖAEL	:	500 mg/kg
Application Route	:	Oral

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		ure time Organs	:	2 Weeks Kidney, Liver	
		L ation Route ure time	:	Rat > 2,500 mg/kg Oral 30 Days No significant adv	verse effects were reported
	Exposi	ation Route ure time Organs		Rat 1,600 mg/kg Oral 90 Days Central nervous s Tremors	system
		<u> </u>		Dog 4 mg/kg 8 mg/kg 6 Months Stomach, Nervou	s system, Lymph nodes
	Specie NOAEI Applica	L ation Route ure time		Rat 1.072 mg/l inhalation (dust/m 28 Days OECD Test Guide	
	-	tion toxicity ssified based on availa	able	information.	
	<u>Compo</u>	onents:			
		ndazole: iration toxicity classific	atio	n	
	Experi	ence with human exp	οοςι	ıre	
	Compo	onents:			
	fenber Ingesti	ndazole: on	:	Symptoms: Rapic	respiration, Salivation, anorexia, Diarrhea
SEC	TION 1	2. ECOLOGICAL INF	ORI	MATION	
	Ecoto	kicity			
	Compo	onents:			
		dioxide: y to fish	:	LC50 (Danio rerio	o (zebra fish)): > 10,000 mg/l



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				Exposure time: 96 Method: OECD Te	
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 24 Method: OECD Te	
	Toxicity to algae/aquatic plants		:	 EC50 (Desmodesmus subspicatus (green algae)): > 10,00 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials 	
				mg/l Exposure time: 72 Method: OECD Te	
	fenben	dazole:			
	Toxicity	to fish	:	LC50 (Lepomis m Exposure time: 21	acrochirus (Bluegill sunfish)): 0.009 mg/l d
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
		to daphnia and other invertebrates (Chron- ty)	:	NOEC (Daphnia n Exposure time: 21 Method: OECD Te	
	Benzvl	alcohol:			
	Toxicity		:	LC50 (Pimephales Exposure time: 96	s promelas (fathead minnow)): 460 mg/l i h
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
	Toxicity plants	to algae/aquatic	:	EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD Te	
				NOEC (Pseudokir mg/l Exposure time: 72 Method: OECD Te	
		to daphnia and other invertebrates (Chron- ty)	:	NOEC (Daphnia n Exposure time: 21 Method: OECD Te	

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Per	sistence and degradabi	lity		
Cor	nponents:	-		
	zyl alcohol:			
	degradability	:	Result: Readily b Biodegradation: Exposure time: 1	92 - 96 %
Bio	accumulative potential			
Cor	nponents:			
Part	bendazole: tition coefficient: n- anol/water	:	log Pow: 3.32	
Part	izyl alcohol: tition coefficient: n- anol/water	:	log Pow: 1.05	
Mol	pility in soil			
<u>Cor</u>	nponents:			
fenl	bendazole:			
	ribution among environ- ntal compartments	:	log Koc: 3.8 - 4.7 Method: FDA 3.0	
	er adverse effects data available			
SECTIO	N 13. DISPOSAL CONSI	DEF	RATIONS	
Dis	posal methods			
	ste from residues	:		ordance with local regulations. f waste into sewer.
Con	taminated packaging	:	Empty containers	s should be taken to an approved waste

SECTION 14. TRANSPORT INFORMATION

UNRTDG UN number Proper shipping name	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (fenbendazole)
Class	:	9
Packing group	:	III

handling site for recycling or disposal.

If not otherwise specified: Dispose of as unused product.

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	Labels Enviror	nmentally hazardous	:	9 yes	
	IATA-DGR UN/ID No. Proper shipping name		:	UN 3082 Environmentally h (fenbendazole)	azardous substance, liquid, n.o.s.
	Class		:	9	
	Packing	g group	÷	III Miscellaneous	
		g instruction (cargo	÷	964	
	aircraft				
		g instruction (passen-	:	964	
	ger airc	mentally hazardous		yes	
	IMDG-	-	•	,	
	UN nur		:	UN 3082 ENVIRONMENTA N.O.S. (fenbendazole)	ALLY HAZARDOUS SUBSTANCE, LIQUID,
	Class		:	(Teriberidazole) 9	
		g group	:	III	
	Labels		:	9	
	EmS C Marine	ode pollutant	:	F-A, S-F yes	
			•		
	-	blicable for product as			OL 73/78 and the IBC Code
	Domes	tic regulation			
		t NA number shipping name	:	UN 3082 Environmentally h	nazardous substance, liquid, n.o.s.

r toper shipping name	•	(fenbendazole)
Class	:	9
Packing group	:	III
Labels	:	CLASS 9
ERG Code	:	171
Marine pollutant	:	yes(fenbendazole)
Remarks	:	Above applies only to containers over 119 gallons or 450 liters.
		Shipment by ground under DOT is non-regulated; however it may be shipped per the applicable hazard classification to
		facilitate multi-modal transport involving ICAO (IATA) or IMO.

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.

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SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:	Reproductive toxicity Specific target organ toxicity (single or repeated exposure)
SARA 313	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Pennsylvania Right To Know							
Water		7732-18-5					
Sodium citrate		68-04-2					
Silicon dioxide		7631-86-9					
Sodium hydroxide		1310-73-2					
California List of Hazardous Substances							
Silicon dioxide		7631-86-9					
Polyvinyl pyrrolidone	9003-39-8						
California Permissible Exposure Limits for Chemical Contaminants							
Silicon dioxide		7631-86-9					
The ingredients of this product are reported in the following inventories:							
AICS :	not determined						
DSL :	not determined						
IECSC :	not determined						

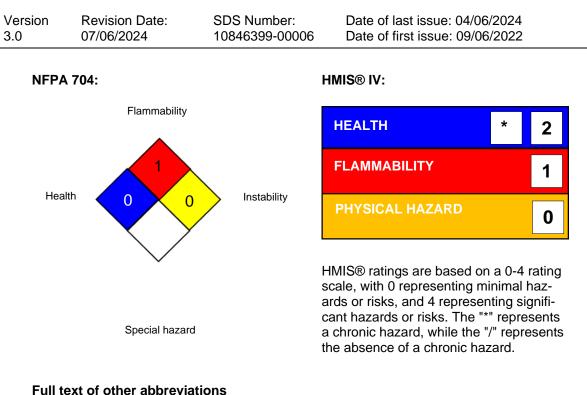
SECTION 16. OTHER INFORMATION

Further information



according to the OSHA Hazard Communication Standard

Fenbendazole (2.50%) Liquid Formulation



NIOSH REL	:	USA. NIOSH Recommended Exposure Limits		
OSHA Z-3	:	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts		
US WEEL	:	USA. Workplace Environmental Exposure Levels (WEEL)		
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek		
OSHA Z-3 / TWA	:	8-hour time weighted average		
US WEEL / TWA	:	8-hr TWA		

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification System; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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 sub-



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stance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; 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

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

Revision Date : 07/06/2024

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

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

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