according to the OSHA Hazard Communication Standard



# **Fenbendazole Premix Formulation**

Version	Revision Date:	SDS Number:	Date of last issue: 09/30/2023
6.2	09/28/2024	1503392-00019	Date of first issue: 03/31/2017

### **SECTION 1. IDENTIFICATION**

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

### **SECTION 2. HAZARDS IDENTIFICATION**

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) Combustible dust					
Reproductive toxicity	:	Category 2			
Specific target organ toxicity - repeated exposure (Oral)	:	Category 2 (Liver, Stomach, Nervous system, Lymph nodes)			
GHS label elements Hazard pictograms	:				
Signal Word	:	Warning			
Hazard Statements	:	If small particles are generated during further processing, han- dling or by other means, may form combustible dust concentra- tions in air. 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	:	<ul> <li>Prevention:</li> <li>P201 Obtain special instructions before use.</li> <li>P202 Do not handle until all safety precautions have been read and understood.</li> <li>P260 Do not breathe dust.</li> <li>P280 Wear protective gloves, protective clothing, eye protection</li> </ul>			

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and face protection.

### **Response:**

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

### Storage:

P405 Store locked up.

### Disposal:

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

### Other hazards

Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Calcium carbonate	471-34-1	>= 30 - < 50
fenbendazole	43210-67-9	>= 20 - < 30
Paraffin oil	8012-95-1	>= 10 - < 20
Actual concentration is withh	ald as a trada as arat	

Actual concentration is withheld as a trade secret

#### **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 in eyes, rinse well with water. Get medical attention if irritation develops and persists.
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and	:	
delayed		May cause damage to organs through prolonged or repeated exposure if swallowed.
		Contact with dust can cause mechanical irritation or drying of the skin.
		Dust contact with the eyes can lead to mechanical irritation.

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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 t	o physician	:	Treat symptomati	cally and supportively.
SEC	CTION 5	. FIRE-FIGHTING ME	ASL	IRES	
Suitable extinguishing media		:	Water spray Alcohol-resistant Carbon dioxide (C Dry chemical		
	Unsuita media	able extinguishing	:	None known.	
	Specifi fighting	c hazards during fire I	:	concentrations, and 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	lous combustion prod-	:	Carbon oxides Nitrogen oxides (I Sulfur oxides Metal oxides	NOx)
	Specifi ods	c extinguishing meth-	:	cumstances and t Use water spray t	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do
		l protective equipment fighters	:		e, wear self-contained breathing apparatus. tective equipment.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).
Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	:	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

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		released into the Local or nation disposal of the employed in the determine white Sections 13 and	nese may form an explosive mixture if they are the atmosphere in sufficient concentration. nal regulations may apply to releases and s material, as well as those materials and items ne cleanup of releases. You will need to ch regulations are applicable. nd 15 of this SDS provide information regarding r national requirements.
SECTION	7. HANDLING AND ST	ORAGE	
Local	hical measures /Total ventilation e on safe handling	causing an ex Provide adequ and bonding, Use only with Do not breath Do not swallow Avoid contact Avoid prolong Handle in acc practice, base assessment Minimize dust Keep containe Keep away fro	uate precautions, such as electrical grounding or inert atmospheres. adequate ventilation. e dust. w.
	itions for safe storage rials to avoid	environment. : Keep in prope Store locked u Store in accor	dance with the particular national regulations. <i>v</i> ith the following product types:

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Ingredients with workplace control parameters

inert or nuisance dust	50 Million particles per cubic foot Value type (Form of exposure): TWA (total dust) Basis: OSHA Z-3
	15 mg/m³ Value type (Form of exposure): TWA (total dust) Basis: OSHA Z-3
	5 mg/m <sup>3</sup> Value type (Form of exposure): TWA (respirable fraction) Basis: OSHA Z-3
	15 Million particles per cubic foot



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		Value type (Fo Basis: OSHA		): TWA (respirable fra	action)		
Dust, ticulat	nuisance dust and par- es	Value type (Fo	10 mg/m³ Value type (Form of exposure): PEL (Total dust) Basis: CAL PEL				
		5 mg/m³ Value type (Fo Basis: CAL PI		): PEL (respirable du	st fraction)		
Comp	oonents	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis		
Calciu	ım carbonate	471-34-1	TWA (Res- pirable)	5 mg/m <sup>3</sup> (Calcium car- bonate)	NIOSH REL		
			TWA (total)	10 mg/m <sup>3</sup> (Calcium car- bonate)	NIOSH REL		
fenbe	ndazole	43210-67-9	TWA	100 µg/m3 (OEB 2)	Internal		
Paraf	fin oil	8012-95-1	TWA (Mist)	5 mg/m <sup>3</sup>	OSHA Z-1		
			TWA (Inhal-	5 mg/m <sup>3</sup>	ACGIH		
			able particu-				
			late matter)				
			TWA (Mist)	5 mg/m <sup>3</sup>	NIOSH REL		
			ST (Mist)	10 mg/m <sup>3</sup>	NIOSH REL		
Engir	neering measures	Minimize wor Apply measu Ensure that c dust collector designed in a	kplace exposure res to prevent du lust-handling sys s, vessels, and p manner to prev	especially in confined concentrations. ust explosions. stems (such as exhau processing equipmer ent the escape of du akage from the equip	ust ducts, ht) are st into the		
Perso	onal protective equipm	ent					
	ratory protection	: General and		ntilation is recommer low recommended lir			

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 supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection. Hand protection

Material

: Chemical-resistant gloves

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Remarks		on tim Fc re: glo	Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday. Wear the following personal protective equipment: Safety goggles			
Eye protection						
Skin and body protection		: Se re: po Sk	elect appropriate sistance data a tential. in contact mus	e protective clothing based on chemical nd an assessment of the local exposure t be avoided by using impervious protective aprons, boots, etc).		
Hygie	ne measures	: If e ey wo Wi	<ul> <li>If exposure to chemical is likely during typical use, proveye flushing systems and safety showers close to the working place.</li> <li>When using do not eat, drink or smoke.</li> <li>Wash contaminated clothing before re-use.</li> </ul>			

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Color	:	light brown
Odor	:	characteristic
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	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	May form explosive dust-air mixture during processing, handling 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
Vapor pressure	:	No data available





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	Relativ	e vapor density	:	No data available	e
	Density	y	:	No data available	e
	Solubil Wa	ity(ies) ter solubility	:	No data available	e
	Partitic octano	n coefficient: n-	:	No data available	e
		nition temperature	:	No data available	e
	Decom	position temperature	:	No data available	e
	Viscos Viso	ity cosity, kinematic	•	No data available	e
	Explos	ive properties	:	Not explosive	
	Ovidia	na proportion		The substance of	r mivture is not clossified as svidi-ing
	Oxidizi	ng properties		The substance of	r mixture is not classified as oxidizing.
	Molecu	ılar weight	:	No data available	e
	Particle Particle	e characteristics e size	:	No data available	e

### SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reac- tions	<ul> <li>Not classified as a reactivity hazard.</li> <li>Stable under normal conditions.</li> <li>May form explosive dust-air mixture during processi handling or other means.</li> <li>Can react with strong oxidizing agents.</li> </ul>	ing,
Conditions to avoid Incompatible materials Hazardous decomposition products	<ul> <li>Heat, flames and sparks. Avoid dust formation.</li> <li>Oxidizing agents</li> <li>No hazardous decomposition products are known.</li> </ul>	

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Inhalation Skin contact Ingestion Eye contact

### Acute toxicity

Not classified based on available information.

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<u>Comp</u>	oonents:				
Calci	um carbonate:				
Acute	oral toxicity	:		,000 mg/kg Test Guideline 420 ne substance or mixture has no acute oral tox	
Acute	inhalation toxicity	:		4 h	
Acute	dermal toxicity	:	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute derma toxicity		
fenbe	ndazole:				
Acute	oral toxicity	:	LD50 (Rat): > 1	0,000 mg/kg	
			LD50 (Mouse):	> 10,000 mg/kg	
Paraf	fin oil:				
Acute	oral toxicity	:	LD50 (Rat): > 5	,000 mg/kg	
Acute	dermal toxicity	:	: LD50 (Rabbit): > 2,000 mg/kg Assessment: The substance or mixture has no acute of toxicity		
	corrosion/irritation				
	assified based on av	ailable	information.		
	oonents:				
Calcio Specie	um carbonate:		Rabbit		
Metho		:	OECD Test Gui	deline 404	
Resul	t	:	No skin irritatior	1	
fenbe	ndazole:				
Speci		:	Rabbit		
Resul	t	:	No skin irritatior	1	
Paraf	fin oil:				
			Dahhit		
Speci Resul		:	Rabbit No skin irritatior		





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	ous eye damage/eye lassified based on av				
	ponents:		<i>и</i> <b>г</b> .		
Calci	um carbonate:				
Spec	ies	: Rabbit			
Resu		: No eye i	rritation		
Metho	od	: OECD T	OECD Test Guideline 405		
fenbe	endazole:				
Spec	ies	: Rabbit			
Resu		: No eye i	rritation		
Parat	ffin oil:				
Spec	ies	: Rabbit			
Resu		: No eye i	rritation		

### Respiratory or skin sensitization

### Skin sensitization

Not classified based on available information.

### **Respiratory sensitization**

Not classified based on available information.

### **Components:**

#### Calcium carbonate:

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

### Germ cell mutagenicity

Not classified based on available information.

### **Components:**

#### Calcium carbonate:

Genotoxicity in vitro		Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative
		Test Type: Chromosome aberration test in vitro Method: OECD Test Guideline 473 Result: negative
		Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative

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fenhe	endazole:					
	toxicity in vitro	: Test Type: Result: neg	Bacterial reverse mutation assay (AMES) ative			
		Test Type: Result: neg	DNA Repair ative			
		Test Type: Result: neg	Chromosomal aberration ative			
			n: mouse lymphoma cells ctivation: Metabolic activation			
	nogenicity assified based on a	available information.				
Com	oonents:					
fenbe	endazole:					
	cation Route sure time EL	: Mouse : oral (feed) : 2 Years : 405 mg/kg : negative	oody weight			
Expos NOAE Resul	cation Route sure time EL	: Rat : Oral : 2 Years : 5 mg/kg bo : negative : Lymph node				
IARC	5		resent at levels greater than or equal to 0.1% i e or confirmed human carcinogen by IARC.			
OSH/		No component of this product present at levels greater than or equal to 0.1% on OSHA's list of regulated carcinogens.				
NTP		No ingredient of this product present at levels greater than or equal to 0.1% identified as a known or anticipated carcinogen by NTP.				
-	oductive toxicity ected of damaging	fertility. Suspected of	damaging the unborn child.			
<u>Com</u>	<u>oonents:</u>					
Calci	um carbonate:					
Effect	s on fertility		Combined repeated dose toxicity study with th			

reproduction/developmental toxicity screening test Species: Rat



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				Application Route Method: OECD Te Result: negative		
E	Effects on fetal development		:	Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Method: OECD Test Guideline 414 Result: negative		
f	enben	dazole:				
E	Effects on fertility		:	Test Type: Three-generation reproduction toxicity stu Species: Rat Application Route: oral (feed) General Toxicity Parent: NOAEL: 15 mg/kg body we Fertility: LOAEL: 45 mg/kg body weight Result: Effects on fertility.		
E	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	
				Species: Rat Application Route Developmental To	o-fetal development : Oral oxicity: NOAEL: 120 mg/kg body weight on fetal development.	
	Reprod sessme	luctive toxicity - As- ent	:	fertility, based on	f adverse effects on sexual function and animal experiments., Some evidence of n development, based on animal	

### 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.

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<u>Co</u>	mponents:		
Ro Ta	<b>abendazole:</b> utes of exposure rget Organs sessment		Nervous system, Lymph nodes age to organs through prolonged or repeated
Re	peated dose toxicity		
<u>Co</u>	mponents:		
Sp NC Ap Ex	Icium carbonate: ecies DAEL plication Route posure time ethod	: Rat : > 1,000 mg/kg : Ingestion : 28 Days : OECD Test Guid	deline 422
fer	nbendazole:		
LÓ Ap Ex	ecies AEL plication Route posure time rget Organs	: Rat : 500 mg/kg : Oral : 2 Weeks : Kidney, Liver	
NC Ap Ex	ecies DAEL plication Route posure time marks	: Rat : > 2,500 mg/kg : Oral : 30 Days : No significant ac	lverse effects were reported
LÖ Ap Ex Ta	ecies AEL plication Route posure time rget Organs mptoms	: Rat : 1,600 mg/kg : Oral : 90 Days : Central nervous : Tremors	system
NC LO Ex	ecies DAEL DAEL posure time rget Organs	: Dog : 4 mg/kg : 8 mg/kg : 6 Months : Stomach, Nervo	us system, Lymph nodes
Sp LC Ap	<b>raffin oil:</b> ecies AEL plication Route posure time	: Rat, female : 161 mg/kg : Ingestion : 90 Days	

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Aspir	ation toxicity			
Not cl	lassified based on availa	ble	information.	
Comp	<u>oonents:</u>			
	endazole: piration toxicity classification	atio	n	
The s	<b>fin oil:</b> ubstance or mixture is k d as if it causes a huma			aspiration toxicity hazards or has to be re- zard.
Expe	rience with human exp	osı	ire	
Com	oonents:			
fenbe	endazole:			
Inges	tion	:	Symptoms: Rapid	l respiration, Salivation, anorexia, Diarrhea
Comp	oonents:			
	um carbonate:			
Toxic	ity to fish	:	LL50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): > 100 mg/l S h
				Vater Accommodated Fraction
<b>-</b> · ·				
	ity to daphnia and other ic invertebrates	•	EL50 (Daphnia m Exposure time: 48	agna (Water flea)): > 100 mg/l 3 h
			Test substance: W Method: OECD T	Vater Accommodated Fraction est Guideline 202
Toxic	ity to algae/aquatic	:	NOELR (Pseudok	rirchneriella subcapitata (green algae)): 50
plants	8		mg/l Exposure time: 72	2 h
			Test substance: V	Vater Accommodated Fraction
			Method: OECD T	est Guideline 201
			EL50 (Pseudokiro mg/l	hneriella subcapitata (green algae)): > 100
			Exposure time: 72	
			Test substance: V Method: OECD Te	Vater Accommodated Fraction est Guideline 201
Toxic	ity to microorganisms	•	NOEC: 1,000 mg/	1
. 57.10		•	Exposure time: 3	h
			Method: OECD T	est Guideline 209
			ECE0. 1 000 m	

EC50: > 1,000 mg/l





/ersion 6.2	Revision Date: 09/28/2024		0S Number: 03392-00019	Date of last issue: 09/30/2023 Date of first issue: 03/31/2017
			Exposure time: Method: OECD	3 h Test Guideline 209
fenbe	endazole:			
	ity to fish	:	LC50 (Lepomis Exposure time:	macrochirus (Bluegill sunfish)): 0.009 mg/l 21 d
	ity to daphnia and other tic invertebrates	:	Exposure time:	magna (Water flea)): 0.0088 mg/l 48 h Test Guideline 202
	ity to daphnia and other tic invertebrates (Chron- icity)	:	Exposure time:	a magna (Water flea)): 0.00113 mg/l 21 Days Test Guideline 211
Para	ffin oil:			
	ity to fish	:	Exposure time: Test substance	almus maximus (turbot)): > 100 mg/l 96 h : Water Accommodated Fraction d on data from similar materials
	ity to daphnia and other tic invertebrates	:	Exposure time: Test substance	onsa (Calanoid copepod)): > 100 mg/l 48 h : Water Accommodated Fraction d on data from similar materials
Toxic plants	tity to algae/aquatic s	:	Exposure time: Test substance	ema costatum (marine diatom)): > 100 mg/l 72 h : Water Accommodated Fraction d on data from similar materials
			Exposure time: Test substance	onema costatum (marine diatom)): > 1 mg/l 72 h : Water Accommodated Fraction d on data from similar materials
	<b>istence and degradabil</b> i ata available	ity		
Bioa	ccumulative potential			
Com	ponents:			
Partit	endazole: ion coefficient: n- iol/water	:	log Pow: 3.32	
Para	ffin oil:			
	ion coefficient: n- nol/water	:	log Pow: > 4 Remarks: Calcu	ulation

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Mob	ility in soil				
<u>Com</u>	ponents:				
fenb	endazole:				
	ibution among environ- al compartments	:	log Koc: 3.8 - 4.7 Method: FDA 3.0		
Othe	er adverse effects				
No d	ata available				
ECTION	I 13. DISPOSAL CONSI	DEF	RATIONS		
-	osal methods		5. ()		
Wast	te from residues	:		cordance with local regulations. f waste into sewer	
Cont	aminated packaging	:	<ul> <li>Do not dispose of waste into sewer.</li> <li>Empty containers should be taken to an approved waste handling site for recycling or disposal.</li> <li>If not otherwise specified: Dispose of as unused product.</li> </ul>		
	I 14. TRANSPORT INFO		Allon		
Intor	national Pagulations				
mer	national Regulations				
	TDG				
	umber er shipping name	÷	UN 3077	ALLY HAZARDOUS SUBSTANCE, SOLID,	
гюр	er snipping hame	•	N.O.S.	ALLI HAZARDOUS SUBSTANCE, SOLID,	
Clas	8		(fenbendazole) 9		
	ing group	÷	Ĩ		
Labe	ls	:	9		
Envii	ronmentally hazardous	:	yes		
ΙΑΤΑ	-DGR				
	D No.	:	UN 3077		
Prop	er shipping name	:	Environmentally (fenbendazole)	hazardous substance, solid, n.o.s.	
Clas		:	9		
	ting group	:	 Miacollonoouo		
Labe Pack aircra	ing instruction (cargo	:	Miscellaneous 956		
Pack	ing instruction (passen-	:	956		
	ronmentally hazardous	:	yes		

, , , , , , , , , , , , , , , , , , , ,		<b>y</b> = -
IMDG-Code		
UN number	:	UN 3077
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (fenbendazole)
Class	:	
Packing group	:	III





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Labels EmS Code Marine pollutant		: 9 : F-A, : yes	S-F		
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.					
Dome	stic regulation				
<b>49 CFR</b> UN/ID/NA number Proper shipping name Class Packing group Labels ERG Code Marine pollutant Remarks		(fenk : 9 : III : CLAS : 171 : yes(f : Abov liters Shipr may	onmentally I bendazole) SS 9 enbendazole e applies on nent by grou be shipped p	hazardous substance, solid, n.o.s. e) hly to containers over 119 gallons or 450 und under DOT is non-regulated; howeve per the applicable hazard classification to odal transport involving ICAO (IATA) or IM	)

### 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**

### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA 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	:	Combustible dust 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

Calcium carbonate 471-34-1 fenbendazole 43210-67-9



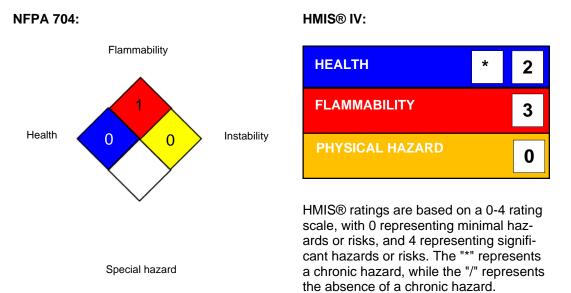
according to the OSHA Hazard Communication Standard

### **Fenbendazole Premix Formulation**

Version 6.2	Revision Date: 09/28/2024	SDS Number: 1503392-00019	Date of last issue: 09/30/2023 Date of first issue: 03/31/2017			
	Paraffin oil		8012-95-1			
Calif	ornia List of Hazardou	s Substances				
	Paraffin oil		8012-95-1			
California Permissible Exposure Limits for Chemical Contaminants						
	Calcium carbonate Paraffin oil	9	471-34-1 8012-95-1			
The i	ingredients of this pro	duct are reported in	the following inventories:			
AICS	;	: not determined				
DSL		: not determined				
IECS	C	: not determined				

### **SECTION 16. OTHER INFORMATION**

### **Further information**



### Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
CAL PEL	:	California permissible exposure limits for chemical contami- nants (Title 8, Article 107)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
OSHA Z-3	:	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
ACGIH / TWA	:	8-hour, time-weighted average
CAL PEL / PEL	:	Permissible exposure limit
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour



### Fenbendazole Premix Formulation

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NIOS	H REL / ST		a 40-hour workweek ite TWA exposure that should not be exceeded		
OSHA Z-1 / TWA OSHA Z-3 / TWA		: 8-hour time wei	<ul> <li>8-hour time weighted average</li> <li>8-hour time weighted average</li> </ul>		

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 substance; 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 Amend-ments 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		eChem Portal search results and European Chemicals Agen-
Data Sheet		cy, http://echa.europa.eu/

Revision Date

: 09/28/2024

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





# Fenbendazole Premix Formulation

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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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