according to the Globally Harmonized System



Fenbendazole Solid Formulation

Version	Revision Date: 30.09.2023	SDS Number:	Date of last issue: 04.04.2023
3.1		2736747-00013	Date of first issue: 26.04.2018

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Fenbendazole Solid Formulation							
Manufacturer or supplier's details									
Company	:	MSD							
Address	:	Briahnager - Off Pune Nagar Road Wagholi - Pune - India 412 207							
Telephone	:	+1-908-740-4000							
Emergency telephone number	:	+1-908-423-6000							
E-mail address	:	EHSDATASTEWARD@msd.com							
Recommended use of the chemical and restrictions on use									
Recommended use Restrictions on use	:	Veterinary product Not applicable							

2. HAZARDS IDENTIFICATION

Manufacture, Storage and Import of Hazardous Chemicals Rules 1989

Classification

Not classified as hazardous according to criteria laid down in Part I of Schedule-1.

GHS Classification Reproductive toxicity	:	Category 2
Specific target organ toxicity - repeated exposure (Oral)	:	Category 2 (Liver, Stomach, Nervous system, Lymph nodes)
Short-term (acute) aquatic hazard	:	Category 1
Long-term (chronic) aquatic hazard	:	Category 1
GHS label elements		
Hazard pictograms	:	
Signal word	:	Warning
Hazard statements	:	H361fd Suspected of damaging fertility. Suspected of damag-

according to the Globally Harmonized System



Fenbendazole Solid Formulation

Version 3.1	Revision Date: 30.09.2023	SDS Number: 2736747-00013	Date of last issue: 04.04.2023 Date of first issue: 26.04.2018		
		system, Lympl sure if swallow	ise damage to organs (Liver, Stomach, Nervous h nodes) through prolonged or repeated expo-		
Precautionary statements		 Prevention: P203 Obtain, read and follow all safety instructions before use P260 Do not breathe dust. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. 			
		Response: P318 IF expos P391 Collect s	ed or concerned, get medical advice. pillage.		
		Storage: P405 Store loc	cked up.		
		Disposal: P501 Dispose disposal plant.	of contents/ container to an approved waste		

Other hazards which do not result in classification

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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components		
Chemical name	CAS-No.	Concentration (%
		w/w)
fenbendazole	43210-67-9	>= 50 - < 70
Starch	9005-25-8	>= 30 - < 50
Magnesium stearate	557-04-0	>= 1 - < 5

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. 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.

according to the Globally Harmonized System



Versi 3.1	ion	Revision Date: 30.09.2023		0S Number: 36747-00013	Date of last issue: 04.04.2023 Date of first issue: 26.04.2018		
In case of eye contact If swallowed Most important symptoms		:	Thoroughly clean shoes before reuse. If in eyes, rinse well with water. Get medical attention if irritation develops and persists. If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.				
	and effe delayed	ects, both acute and		Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeat exposure if swallowed. Contact with dust can cause mechanical irritation or drying the skin. Dust contact with the eyes can lead to mechanical irritation			
		on of first-aiders o physician	:	and use the recor when the potentia	ers should pay attention to self-protection, nmended personal protective equipment I for exposure exists (see section 8). cally and supportively.		
5. FII	REFIGH	ITING MEASURES					
:	Suitable	e extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (C Dry chemical			
	Unsuita media	ble extinguishing	:	None known.			
	Specific fighting	hazards during fire-	:	concentrations, a 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.		
	Hazardo ucts	ous combustion prod-	:	Carbon oxides Nitrogen oxides (I Sulphur oxides Silicon oxides Metal oxides	NOx)		
	Specific ods	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		
	Special for firefi	protective equipment ghters	:	In the event of fire	e, wear self-contained breathing apparatus. rective equipment.		
6. AC	CCIDEN	ITAL RELEASE MEAS	SUF	RES			
t	tive equ	al precautions, protec- ipment and emer- rocedures	:	Follow safe handl	ective equipment. ing advice (see section 7) and personal pro- recommendations (see section 8).		

5 71			,	,
Environmental precautions	:	Avoid release to the environmen Prevent further leakage or spilla Retain and dispose of contamin	ige if safe to c	





Fenbendazole Solid Formulation

Vers 3.1	sion	Revision Date: 30.09.2023		9S Number: 36747-00013	Date of last issue: 04.04.2023 Date of first issue: 26.04.2018
				Local authorities s cannot be contain	should be advised if significant spillages ed.
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 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. 		
7. H		NG AND STORAGE			
Technical measures		:	causing an explos	precautions, such as electrical grounding	
		otal ventilation on safe handling	:	Use only with ade Do not breathe du Do not swallow. Avoid contact with Avoid prolonged of Handle in accorda practice, based or sessment Minimize dust ger Keep container clu Keep away from h Take precautional	quate ventilation. ist.
	Conditi	ons for safe storage	:	Keep in properly I Store locked up.	abelled containers.
	Materia	als to avoid	Store in accordance with the p : Do not store with the following Strong oxidizing agents		the following product types:

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
fenbendazole	43210-67-9	TWA	100 µg/m3 (OEB 2)	Internal
Starch	9005-25-8	TWA	10 mg/m3	ACGIH



according to the Globally Harmonized System

sion	Revision Date: 30.09.2023		OS Number: 36747-00013		t issue: 04.04.202 t issue: 26.04.201			
Magnesium stearate			557-04-0	TWA (Inhal- able particu- late matter)	10 mg/m3	ACGIH		
				TWA (Res- pirable par- ticulate mat- ter)	3 mg/m3	ACGIH		
Engin	eering measures	:	compound. All engineerin design and op	g controls shoul	trols to minimize e d be implemented dance with GMP p d the environment	by facility brinciples to		
Perso	nal protective equip	ment						
Filt Hand	ratory protection er type protection	:	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Particulates type					
Ma	Material	:	Chemical-resistant gloves					
	rotection and body 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. Work uniform or laboratory coat.					
SKILLA	ind body protection	•			dl.			
Hygie	ne measures	:	flushing syste place. When using of Wash contain The effective engineering of appropriate d industrial hyg	ms and safety s lo not eat, drink inated clothing b operation of a fa ontrols, proper p egowning and d	pefore re-use. acility should inclu- personal protective econtamination pr medical surveilla	de review of e equipment, ocedures,		

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

according to the Globally Harmonized System



Fenbendazole Solid Formulation

Version 3.1	Revision Date: 30.09.2023		S Number: 36747-00013	Date of last issue: 04.04.2023 Date of first issue: 26.04.2018
Initia rang	I boiling point and boiling e	:	No data available	9
Flas	Flash point		Not applicable	
Evap	poration rate	:	Not applicable	
Flam	nmability (solid, gas)	:	May form explosi dling or other me	ve dust-air mixture during processing, han- ans.
Flam	nmability (liquids)	:	No data available)
	er explosion limit / Upper mability limit	:	No data available	
	er explosion limit / Lower mability limit	:	No data available	
Vapo	our pressure	:	Not applicable	
Rela	tive vapour density	:	Not applicable	
Rela	tive density	:	No data available)
Den	sity	:	No data available)
	bility(ies) Vater solubility	:	soluble	
	tion coefficient: n- nol/water	:	Not applicable	
	-ignition temperature	:	No data available)
Deco	omposition temperature	:	No data available)
Visc V	osity ′iscosity, kinematic	:	Not applicable	
Expl	osive properties	:	Not explosive	
Oxid	izing properties	:	The substance of	r mixture is not classified as oxidizing.
Mole	ecular weight	:	No data available)
Parti	cle size	:	No data available	2

10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reac-	:	May form explosive dust-air mixture during processing, han-

according to the Globally Harmonized System



ersion 1	Revision Date: 30.09.2023		S Number: 36747-00013	Date of last issue: 04.04.2023 Date of first issue: 26.04.2018			
tions			dling or other me Can react with si	eans. trong oxidizing agents.			
Condi	tions to avoid	:	Heat, flames and sparks. Avoid dust formation.				
	patible materials dous decomposition cts	:		ecomposition products are known.			
. TOXIC	OLOGICAL INFORMAT	101	1				
Inform expos	nation on likely routes of ure	:	Inhalation Skin contact Ingestion Eye contact				
	e toxicity assified based on availa	ble	information.				
Comp	oonents:						
fenbe	ndazole:						
Acute	oral toxicity	:	LD50 (Rat): > 10,	000 mg/kg			
			LD50 (Mouse): >	10,000 mg/kg			
Starc				"			
Acute	oral toxicity	:	LD50 (Rat): > 5,0	00 mg/kg			
Acute	dermal toxicity	:	LD50 (Rabbit): >	2,000 mg/kg			
Magn	esium stearate:						
Acute	oral toxicity	:	Assessment: The icity	00 mg/kg est Guideline 423 substance or mixture has no acute oral to on data from similar materials			
Acute	dermal toxicity	:	LD50 (Rabbit): > Remarks: Based	2,000 mg/kg on data from similar materials			
	corrosion/irritation assified based on availa	hlo	information				
	oonents:						
	ndazole:						
Speci		:	Rabbit				
Resul		:	No skin irritation				
Magn	esium stearate:						

according to the Globally Harmonized System



Fenbendazole Solid Formulation

Vers 3.1	sion	Revision Date: 30.09.2023)S Number: 36747-00013	Date of last issue: 04.04.2023 Date of first issue: 26.04.2018
	Result Remarl	۲S	:	No skin irritation Based on data fro	m similar materials
		s eye damage/eye irr ssified based on availa			
	Compo	onents:			
	fenben	dazole:			
	Specie: Result	S	:	Rabbit No eye irritation	
	Starch	:			
	Specie: Result	S	:	Rabbit No eye irritation	
	Magne	sium stearate:			
	Specie: Result		:	Rabbit No eye irritation	
	Remarl	KS	:	Based on data fro	m similar materials
	Respir	atory or skin sensitis	atic	on	
	Skin se	ensitisation			
	Not cla	ssified based on availa	able	information.	
	-	atory sensitisation ssified based on availa	able	information.	
	Compo	onents:			
	Starch Test Ty Exposu Species Result	rpe ire routes	:	Maximisation Tes Skin contact Guinea pig negative	t
	Magne	sium stearate:			
	Test Ty Exposu Species	ire routes	:	Maximisation Tes Skin contact Guinea pig	t
	Method		:	OECD Test Guide	eline 406
	Result Remarl	ks	:	negative Based on data fro	m similar materials

Germ cell mutagenicity

Not classified based on available information.

Components:

fenbendazole:

according to the Globally Harmonized System



Fenbendazole Solid Formulation

Version 3.1	Revision Date: 30.09.2023	SDS Number: 2736747-00013	Date of last issue: 04.04.2023 Date of first issue: 26.04.2018
Genc	otoxicity in vitro	: Test Type: B Result: nega	acterial reverse mutation assay (AMES) tive
		Test Type: D Result: nega	
		Test Type: C Result: nega	hromosomal aberration tive
			mouse lymphoma cells tivation: Metabolic activation
Stard	:h:		
Geno	otoxicity in vitro	: Test Type: B Result: nega	acterial reverse mutation assay (AMES) tive
Magr	nesium stearate:		
Genc	otoxicity in vitro	Result: nega	n vitro mammalian cell gene mutation test tive used on data from similar materials
			hromosome aberration test in vitro CD Test Guideline 473 tive
		0	sed on data from similar materials
		Result: nega	acterial reverse mutation assay (AMES) tive Ised on data from similar materials

Carcinogenicity

Not classified based on available information.

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

according to the Globally Harmonized System



Version 3.1	Revision Date: 30.09.2023		9S Number: 36747-00013	Date of last issue: 04.04.2023 Date of first issue: 26.04.2018
-	oductive toxicity ected of damaging ferti	lity. S	uspected of dama	iging the unborn child.
<u>Com</u>	ponents:			
fenbe	endazole:			
Effect	ts on fertility	:	Species: Rat Application Rout General Toxicity	- Parent: NOAEL: 15 mg/kg body weight 45 mg/kg body weight
Effect ment	ts on foetal develop-	:	Result: Embryoto	male
			Species: Rabbit Application Rout	oxicity: NOAEL: 25 mg/kg body weight
			Species: Rabbit Application Rout	yo-foetal development e: Oral ōxicity: LOAEL: 63 mg/kg body weight
			Species: Rat Application Rout Developmental T	yo-foetal development e: Oral oxicity: NOAEL: 120 mg/kg body weight s on foetal development
Repro sessn	oductive toxicity - As- nent	:	fertility, based or	of adverse effects on sexual function and animal experiments., Some evidence of on development, based on animal experi-
Magn	esium stearate:			
-	ts on fertility	:	reproduction/dev Species: Rat Application Rout Method: OECD T Result: negative	bined repeated dose toxicity study with the elopmental toxicity screening test e: Ingestion Fest Guideline 422 on data from similar materials
Effect ment	ts on foetal develop-	:	Test Type: Embr Species: Rat Application Rout	yo-foetal development e: Ingestion

according to the Globally Harmonized System



Fenbendazole Solid Formulation

Version	Revision Date:
3.1	30.09.2023

SDS Number: 2736747-00013

Date of last issue: 04.04.2023 Date of first issue: 26.04.2018

Result: negative Remarks: Based on data from similar materials

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:

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:

fenbendazole:

Species LOAEL Application Route Exposure time Target Organs	: Rat : 500 mg/kg : Oral : 2 Weeks : Kidney, Liver
Species NOAEL Application Route Exposure time Remarks	 Rat > 2,500 mg/kg Oral 30 Days No significant adverse effects were reported
Species LOAEL Application Route Exposure time Target Organs Symptoms	 Rat 1,600 mg/kg Oral 90 Days Central nervous system Tremors
Species NOAEL LOAEL Exposure time Target Organs	 Dog 4 mg/kg 8 mg/kg 6 Months Stomach, Nervous system, Lymph nodes
Starch: Species NOAEL Application Route Exposure time	: Rat : >= 2,000 mg/kg : Skin contact : 28 Days

according to the Globally Harmonized System



ersion 1	Revision Date: 30.09.2023		DS Number: 36747-00013	Date of last issue: 04.04.2023 Date of first issue: 26.04.2018					
Method		:	: OECD Test Guideline 410						
Magn	esium stearate:								
Species NOAEL Application Route Exposure time Remarks		:	 Rat > 100 mg/kg Ingestion 90 Days Based on data from similar materials 						
-	ation toxicity assified based on ava	ilable	information.						
	oonents:								
fenbe	endazole:								
No as	piration toxicity classif	ficatio	n						
Expe	rience with human ex	xposı	ure						
<u>Comp</u>	oonents:								
fenbe	endazole:								
fenbe Inges		:	Symptoms: Ra	pid respiration, Salivation, anorexia, Diarrhoea					
Inges		: ON	Symptoms: Ra	pid respiration, Salivation, anorexia, Diarrhoea					
Inges 2. ECOL	tion	: ON	Symptoms: Ra	pid respiration, Salivation, anorexia, Diarrhoea					
Inges 2. ECOLO Ecoto	tion OGICAL INFORMATIO	: ON	Symptoms: Ra	pid respiration, Salivation, anorexia, Diarrhoea					
Inges 2. ECOLO Ecoto <u>Comp</u>	tion OGICAL INFORMATIO	: ON	Symptoms: Ra	pid respiration, Salivation, anorexia, Diarrhoea					
Inges 2. ECOLO Ecoto <u>Comp</u> fenbe	tion OGICAL INFORMATIO Districity Doments:	: ON :		macrochirus (Bluegill sunfish)): 0.009 mg/l					
Inges 2. ECOLO Ecoto <u>Comp</u> fenbe Toxici	tion OGICAL INFORMATIO oxicity <u>oonents:</u> endazole:	:	LC50 (Lepomis Exposure time: EC50 (Daphnia Exposure time:	macrochirus (Bluegill sunfish)): 0.009 mg/l 21 d magna (Water flea)): 0.0088 mg/l					
Inges Ecoto <u>Comp</u> fenbe Toxici aquat	tion OGICAL INFORMATION Exicity Exicity Endazole: Sty to fish	: er :	LC50 (Lepomis Exposure time: EC50 (Daphnia Exposure time:	macrochirus (Bluegill sunfish)): 0.009 mg/l 21 d magna (Water flea)): 0.0088 mg/l 48 h					
Inges 2. ECOLO Ecoto Comp fenbe Toxici aquat M-Fac icity) Toxici	tion OGICAL INFORMATION Devicity Donents: Endazole: andazole: aty to daphnia and other ic invertebrates ctor (Acute aquatic tox ity to daphnia and other ic invertebrates (Chron	: er : er :	LC50 (Lepomis Exposure time: EC50 (Daphnia Exposure time: Method: OECD 100 NOEC: 0.00113 Exposure time: Species: Daph	a macrochirus (Bluegill sunfish)): 0.009 mg/l 21 d a magna (Water flea)): 0.0088 mg/l 48 h 9 Test Guideline 202					
Inges Inges Ecoto Comp fenbe Toxici aquat M-Fac icity) Toxici aquat ic toxi	tion OGICAL INFORMATION DODICAL INFORMATION DODI	: er : er :	LC50 (Lepomis Exposure time: EC50 (Daphnia Exposure time: Method: OECD 100 NOEC: 0.00113 Exposure time: Species: Daph	a macrochirus (Bluegill sunfish)): 0.009 mg/l 21 d a magna (Water flea)): 0.0088 mg/l 48 h 9 Test Guideline 202 3 mg/l 21 Days nia magna (Water flea)					
Inges Inges Ecoto Comp fenbe Toxici aquat M-Fac icity) Toxici aquat ic toxi	tion OGICAL INFORMATION DODICAL INFORMATION DODI	: er : er : n-	LC50 (Lepomis Exposure time: EC50 (Daphnia Exposure time: Method: OECD 100 NOEC: 0.0011 Exposure time: Species: Daphi Method: OECD	a macrochirus (Bluegill sunfish)): 0.009 mg/l 21 d a magna (Water flea)): 0.0088 mg/l 48 h 9 Test Guideline 202 3 mg/l 21 Days nia magna (Water flea)					

according to the Globally Harmonized System



Vers 3.1	sion	Revision Date: 30.09.2023		9S Number: 36747-00013	Date of last issue: 04.04.2023 Date of first issue: 26.04.2018
				Method: DIN 3841 Remarks: Based o	2 on data from similar materials
		to daphnia and other invertebrates	:	Exposure time: 47 Test substance: W Method: Directive	/ater Accommodated Fraction 67/548/EEC, Annex V, C.2. on data from similar materials
	Toxicity plants	to algae/aquatic	:	mg/l Exposure time: 72 Test substance: W Method: OECD Te	/ater Accommodated Fraction est Guideline 201 on data from similar materials
				mg/l Exposure time: 72 Test substance: W Method: OECD Te	ater Accommodated Fraction
	Toxicity	to microorganisms	:	Exposure time: 16 Test substance: W	nas putida): > 100 mg/l h /ater Accommodated Fraction on data from similar materials
	Persist	ence and degradabili	ity		
	<u>Compo</u>	nents:			
	-	sium stearate: adability	:	Result: Not biodeo Remarks: Based o	gradable on data from similar materials
	Bioacc	umulative potential			
	<u>Compo</u>	nents:			
	fenben Partitior octanol/	n coefficient: n-	:	log Pow: 3.32	
	-	sium stearate: n coefficient: n- /water	:	log Pow: > 4	



according to the Globally Harmonized System

/ersion 3.1	Revision Date: 30.09.2023		OS Number: 36747-00013	Date of last issue: 04.04.2023 Date of first issue: 26.04.2018
Mobi	lity in soil			
<u>Com</u>	ponents:			
fenbe	endazole:			
	bution among environ- al compartments	:	log Koc: 3.8 - 4.7 Method: FDA 3.0	
	r adverse effects ata available			
3. DISPC	SAL CONSIDERATIO	NS		
Dispo	osal methods			
Waste	e from residues	:		f waste into sewer. cordance with local regulations.
Conta	aminated packaging	:	 Empty containers should be taken to an approved was dling site for recycling or disposal. If not otherwise specified: Dispose of as unused produced 	
4. TRAN	SPORT INFORMATION	I		
Interr	national Regulations			
UNR				
	umber	:	UN 3077	
Prope	er shipping name	:	ENVIRONMENT N.O.S. (fenbendazole)	ALLY HAZARDOUS SUBSTANCE, SOLID,
			· · · · · · · · · · · · · · · · · · ·	
Class		:	9	
Packi	ng group	:	III	
Packi Label	ng group	:		
Packi Label Envire IATA	ng group s onmentally hazardous -DGR	: : : : : : : : : : : : : : : : : : : :	III 9 yes	
Packi Label Enviro IATA UN/IE	ng group s onmentally hazardous -DGR		III 9 yes UN 3077 Environmentally	hazardous substance, solid, n.o.s.
Packi Label Enviro IATA UN/IE	ng group s onmentally hazardous -DGR O No. er shipping name		III 9 yes UN 3077	hazardous substance, solid, n.o.s.
Packi Label Enviro IATA UN/IE Prope Class Packi	ng group s onmentally hazardous -DGR D No. er shipping name s ng group		III 9 yes UN 3077 Environmentally (fenbendazole) 9 III	hazardous substance, solid, n.o.s.
Packi Label Enviro IATA UN/IE Prope Class Packi Label Packi	ng group s onmentally hazardous -DGR D No. er shipping name ng group s ng instruction (cargo		III 9 yes UN 3077 Environmentally (fenbendazole) 9	hazardous substance, solid, n.o.s.
Packi Label Enviro IATA UN/IE Prope Class Packi Label Packi aircra Packi	ng group s onmentally hazardous -DGR O No. er shipping name s ng group s ng instruction (cargo ft) ng instruction (passen-		III 9 yes UN 3077 Environmentally (fenbendazole) 9 III Miscellaneous	hazardous substance, solid, n.o.s.
Packi Label Enviro IATA UN/IE Prope Class Packi Label Packi aircra Packi ger ai Enviro	ng group s onmentally hazardous -DGR D No. er shipping name s ng group s ng instruction (cargo ft) ng instruction (passen- ircraft) onmentally hazardous		III 9 yes UN 3077 Environmentally (fenbendazole) 9 III Miscellaneous 956	hazardous substance, solid, n.o.s.
Packi Label Enviro IATA UN/IE Prope Class Packi Label Packi aircra Packi ger ai Enviro	ng group s onmentally hazardous -DGR D No. er shipping name s ng group s ng instruction (cargo ft) ng instruction (passen- ircraft) onmentally hazardous G-Code		III 9 yes UN 3077 Environmentally (fenbendazole) 9 III Miscellaneous 956 956 956 yes	hazardous substance, solid, n.o.s.
Packi Label Enviro IATA UN/IE Prope Class Packi Label Packi aircra Packi ger ai Enviro IMDG	ng group s onmentally hazardous -DGR D No. er shipping name s ng group s ng instruction (cargo ft) ng instruction (passen- ircraft) onmentally hazardous		III 9 yes UN 3077 Environmentally (fenbendazole) 9 III Miscellaneous 956 956 956 yes UN 3077 ENVIRONMENT N.O.S.	hazardous substance, solid, n.o.s. ALLY HAZARDOUS SUBSTANCE, SOLID,
Packi Label Enviro IATA UN/IE Prope Class Packi Label Packi aircra Packi ger ai Enviro IMDG	ng group s onmentally hazardous -DGR D No. er shipping name s ng group s ng instruction (cargo ft) ng instruction (passen- ircraft) onmentally hazardous G-Code umber er shipping name		III 9 yes UN 3077 Environmentally (fenbendazole) 9 III Miscellaneous 956 956 956 yes UN 3077 ENVIRONMENT	

according to the Globally Harmonized System



Fenbendazole Solid Formulation

Version	Revision Date: 30.09.2023	SDS Number:	Date of last issue: 04.04.2023
3.1		2736747-00013	Date of first issue: 26.04.2018

Labels	:	9
EmS Code	:	F-A, S-F
Marine pollutant	:	yes

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

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.

15. REGULATORY INFORMATION

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

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

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

16. OTHER INFORMATION

Revision 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	:	USA. ACGIH Threshold Limit Values (TLV)		
ACGIH / TWA	:	8-hour, time-weighted average		

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International

according to the Globally Harmonized System



Fenbendazole Solid Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 04.04.2023
3.1	30.09.2023	2736747-00013	Date of first issue: 26.04.2018

Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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.

IN / EN