



Version	Revision Date:	SDS Number:	Date of last issue: 04.04.2023
1.7	30.09.2023	7987918-00008	Date of first issue: 22.03.2021

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Fenbendazo

: Fenbendazole (0.5%) Pellets Formulation

Manufacturer or supplier's details					
Company name of supplier	:	MSD			
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@msd.com			
Recommended use of the c	hen	nical and restrictions on use			
Recommended use	:	Veterinary product			
Restrictions on use	:	Not applicable			

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

GHS Classification Reproductive toxicity	:	Category 2
GHS label elements Hazard pictograms	:	
Signal Word	:	Warning
Hazard Statements	:	H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.
Precautionary Statements	:	Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
		<b>Response:</b> P308 + P313 IF exposed or concerned: Get medical advice/ attention.
		Storage: P405 Store locked up.
		<b>Disposal:</b> P501 Dispose of contents/ container to an approved waste disposal plant.



Version	Revision Date:	SDS Number:	Date of last issue: 04.04.2023
1.7	30.09.2023	7987918-00008	Date of first issue: 22.03.2021

#### Other hazards

Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin. May form explosive dust-air mixture during processing, handling or other means.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

**SECTION 4. FIRST AID MEASURES** 

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
White mineral oil (petroleum)	8042-47-5	>= 1 -< 5
fenbendazole	43210-67-9	>= 0.1 -< 1

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	:	Suspected of damaging fertility. Suspected of damaging the unborn child. Contact with dust can cause mechanical irritation or drying of the skin.
Protection of first-aiders	:	Dust contact with the eyes can lead to mechanical irritation. 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 Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
Specific hazards during fire fighting	:	Exposure to combustion products may be a hazard to health.



Vers 1.7	sion	Revision Date: 30.09.2023		9S Number: 87918-00008	Date of last issue: 04.04.2023 Date of first issue: 22.03.2021
	Hazard ucts	ous combustion prod-	:	Carbon oxides Silicon oxides	
	Specific ods	c extinguishing meth-	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to c so.	
		l protective equipment fighters	:	Evacuate area. In the event of fire Use personal prot	e, wear self-contained breathing apparatus. ective equipment.
SEC	CTION 6	. ACCIDENTAL RELE	ASI	EMEASURES	
	tive equ	al precautions, protec- uipment and emer- procedures	:	: Use personal protective equipment. Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).	
	Enviror	nmental precautions	:	<ul> <li>Avoid release to the environment.</li> <li>Prevent further leakage or spillage if safe to do so.</li> <li>Retain and dispose of contaminated wash water.</li> <li>Local authorities should be advised if significant spillages cannot be contained.</li> </ul>	
		ls and materials for ment and cleaning up	:	<ul> <li>Sweep up or vacuum up spillage and collect in suitable container for disposal.</li> <li>Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).</li> <li>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.</li> <li>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.</li> <li>Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.</li> </ul>	

### SECTION 7. HANDLING AND STORAGE

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



Version 1.7	Revision Date: 30.09.2023	SDS Number: 7987918-00008	Date of last issue: 04.04.2023 Date of first issue: 22.03.2021
Hygier	ne measures	<ul> <li>Take precaution</li> <li>Take care to previous environment.</li> <li>If exposure to flushing system place.</li> <li>When using do Wash contaming</li> <li>The effective of engineering correspondent de industrial hygica</li> </ul>	m heat and sources of ignition. onary measures against static discharges. revent spills, waste and minimize release to the chemical is likely during typical use, provide eye ns and safety showers close to the working o not eat, drink or smoke. nated clothing before re-use. operation of a facility should include review of ontrols, proper personal protective equipment, gowning and decontamination procedures, ene monitoring, medical surveillance and the trative controls.
Condit	tions for safe storage		ly labeled containers. Jance with the particular national regulations.
Materials to avoid			ith the following product types:

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

	=			
Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
White mineral oil (petroleum)	8042-47-5	VLE-PPT (Mist)	5 mg/m³	NOM-010- STPS-2014
		TWA (Inhalable particulate matter)	5 mg/m³	ACGIH
fenbendazole	43210-67-9	TWA	100 µg/m3 (OEB 2)	Internal

#### Ingredients with workplace control parameters

Engineering measures	npound. engineering controls sho	ontrols to minimize exposure to ould be implemented by facility ordance with GMP principles to and the environment.
Personal protective equipment		
Respiratory protection Filter type	osure assessment demo	entilation is not available or onstrates exposures outside the ise respiratory protection. organic vapor type
Hand protection	·	
Material	emical-resistant gloves	
Eye protection	ts or aerosols, wear the ar a faceshield or other f	activity involves dusty conditions,



Version 1.7	Revision Date: 30.09.2023		S Number: 37918-00008	Date of last issue: 04.04.2023 Date of first issue: 22.03.2021
Skin	and body protection	:	aerosols. Work uniform or la	aboratory coat.
SECTION	9. PHYSICAL AND CH	EMIC		S
Арре	earance	:	pellets	
Colo	r	:	tan	
			to	
			light brown	
Odo	r	:	characteristic	
Odo	r Threshold	:	No data available	9
pН		:	No data available	9
Melti	ing point/freezing point	:	No data available	9
Initia rang	l boiling point and boiling e	:	No data available	2
Flas	h point	:	Not applicable	
Evap	poration rate	:	Not applicable	
Flam	nmability (solid, gas)	:	May form explosi handling or other	ive dust-air mixture during processing, means.
Flam	nmability (liquids)	:	Not applicable	
	er explosion limit / Upper mability limit	:	No data available	9
	er explosion limit / Lower mability limit	:	No data available	9
Vapo	or pressure	:	Not applicable	
Rela	tive vapor density	:	Not applicable	
Rela	tive density	:	No data available	9
Dens	sity	:	No data available	9
	bility(ies) Vater solubility	:	No data available	9
	tion coefficient: n-	:	No data available	9
	nol/water ignition temperature	:	No data available	9
Deco	omposition temperature	:	No data available	9



### Fenbendazole (0.5%) Pellets Formulation

Version 1.7	Revision Date: 30.09.2023		S Number: 37918-00008	Date of last issue: 04.04.2023 Date of first issue: 22.03.2021
	sity cosity, kinematic sive properties	:	Not applicable Not explosive	
Molec	Oxidizing properties Molecular weight		No data available	-
Particl	e size	:	No data available	e

### SECTION 10. STABILITY AND REACTIVITY

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

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Inhalation Skin contact Ingestion Eye contact

### Acute toxicity

Not classified based on available information.

### Components:

### White mineral oil (petroleum):

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhala- tion toxicity
Acute dermal toxicity	:	LD50 (Rabbit): > 2,000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity



fenbendazole:         Acute oral toxicity       the LDS0 (Rath): > 10,000 mg/kg         Skin corrosion/irritation         Not classified based on available information.         Components:         White mineral ol (petroleum):         Species         Result         By Service         Serious eye damage/eye irritation         Serious eye damage/eye irritation         Not classified based on available information.         Serious eye damage/eye irritation         Not classified based on available information.         Serious eye damage/eye irritation         Not classified based on available information.         Serious eye damage/eye irritation         Mote classified based on available information.         Result       No eye irritation         Kassified based on available information.         Components:         White mineral ol (petroleum):         Catassified based on available information.         Serious	rsion	Revision Date: 30.09.2023		DS Number: 87918-00008	Date of last issue: 04.04.2023 Date of first issue: 22.03.2021
<section-header>         LD50 (Mouse): &gt; 10,000 mg/kg         Skin corrosion/irritation         Tot classified based on available information.         Components:         White mineral oil (petroleum):         Species       Rabbit         Result       No skin irritation         fenbendazole:       No skin irritation         Species       Rabbit         Result       No skin irritation         Serious eye damage/eye irritation       Rot skin irritation         Serious eye damage/eye irritation       No skin irritation         Serious eye damage/eye irritation       Rabbit         Result       No skin irritation         Serious eye damage/eye irritation       No skin irritation         Serious eye damage/eye irritation       Rabbit         Result       No eye irritation         Serious eye damage/eye irritation       Rot classified based on available information.         Series       Rabbit         Result       No eye irritation         Series       Rabbit         Mote classified based on available information.         Septients       No eye irritation         Genetication       No eye irritation         Mote classified based on available information.       Result         Septientextra there</section-header>	fenbe	ndazole:			
Skin corrosion/irritation         Not classified based on available information.         Components:         White mineral oil (petroleum):         Species       Rabbit         Result       No skin irritation         fenbendazole:         Species       Rabbit         Result       No skin irritation         fenbendazole:         Species       Rabbit         Result       No skin irritation         Serious eye damage/eye irritation         Not classified based on available information.         Components:         White mineral oil (petroleum):         Species       Rabbit         Result       No eye irritation         fenbendazole:       No eye irritation         Serious expited based on available information.       fenbendazole         Result       No eye irritation         fenbendazole:       No eye irritation         Mite mineral oil (petroleum):       No eye irritation         Result       No tassified based on available information.         Respiratory sensitization       Not classified based on available information.         Components:       Buehler Test         Mute mineral oil (petroleum):       Skin contact         Routes of exposure </td <td>Acute</td> <td>oral toxicity</td> <td>:</td> <td>LD50 (Rat): &gt; 1</td> <td>0,000 mg/kg</td>	Acute	oral toxicity	:	LD50 (Rat): > 1	0,000 mg/kg
Not classified based on available information. Components: White mineral oil (petroleum): Species				LD50 (Mouse):	> 10,000 mg/kg
Components:         White mineral oil (petroleum):         Species       ::         Result       ::         Species       ::         Species       ::         Species       ::         Serious eye damage/eye irritation         Serious eye damage/eye irritation         Not classified based on available information.         Components:         White mineral oil (petroleum):         Species       ::         Stin sensitization         Not classified based on available information.         Separatory sensitization         Not classified based on available information.         Species       ::         Stin contact         Species of exposure       :	-		ailabla	information	
White mineral oil (petroleum):         Species       :         Result       :         Species       :         Serious eye damage/eye irritation         Not classified based on available information.         Components:         White mineral oil (petroleum):         Species       :         Not classified based on available information.         Species       :         Mote mineral oil (petroleum):         Test Type       :         Species <td></td> <td></td> <td>allable</td> <td>information.</td> <td></td>			allable	information.	
Species       : Rabbit         Result       : No skin irritation         fenbendazole:       :         Species       : Rabbit         Result       : No skin irritation         Serious eye damage/eye irritation         Not classified based on available information.         Components:         White mineral oil (petroleum):         Species       : Rabbit         Result       : No eye irritation         fenbendazole:         Species       : Rabbit         Result       : No eye irritation         fenbendazole:         Species       : Rabbit         Result       : No eye irritation         fensentization         Skin sensitization         Skin sensitization         Not classified based on available information.         Components:         White mineral oil (petroleum):         Test Type       : Buehler Test         Routes of exposure       : Skin contact         Species       : Guinea pig         Result       : negative			eum):		
fenbendazole:         Species       ::         Result       ::         Socious eye damage/eye irritation         Carlous eige damage/eye irritation         Mit classified based on available information.         Components:         White mineral oil (petroleum):         Species       ::         Result       ::         Mote mineral oil (petroleum):         Species       ::         Result       ::         Species       ::         Species       ::         Stin sensitization         Stin sensitization         Not classified based on available information.         Sepiratory sensitization         Not classified based on available information.         Components:         Mote classified based on available information.         Species       ::         Not classified based on available information.         Components:         Mote classified based on available information.         Species       :         System contract         Species       :         Species       :         Species       :         Species       :         Species       : <td></td> <td></td> <td>:</td> <td>Rabbit</td> <td></td>			:	Rabbit	
Species       f. Rabbit         Result       f. No skin irritation         Serious eye damage/eye irritation         Not classified based on available information.         Components:         White mineral oil (petroleum):         Species       f. Rabbit         Result       f. No eye irritation         fenbendazole:       f. No eye irritation         Species       f. Rabbit         Result       f. No eye irritation         fenbendazole:       f. No eye irritation         Species       f. Rabbit         Result       f. No eye irritation         Respiratory or skin sensitization       f. No eye irritation         Skin sensitization       f. No eye irritation.         Respiratory sensitization       f. No tclassified based on available information.         Components:       f. No classified based on available information.         Components:       f. No classified based on available information.         Components:       f. No classified based on available information.         Description:       f. Skin contact         Species       f. Skin contact         Species       f. Guinea pig         Result       f. negative         Germ cell mutagenicity       f. Skin contact			:	No skin irritatior	1
Result       : No skin irritation         Serious eye damage/eye irritation         Not classified based on available information.         Components:         White mineral oil (petroleum):         Species         Species         Result         Species         Result         Species         Species         Species         Species         Species         Result         Species         Species         Species         White mineral oil species         Not classified based on available information.         Respiratory sensitization         Not classified based on available information.         Components:         White mineral oil (petroleum):         Test Type         Skin contact         Species         Skin contact         Species         Skin contact <td>fenbe</td> <td>ndazole:</td> <td></td> <td></td> <td></td>	fenbe	ndazole:			
Serious eye damage/eye irritation         Not classified based on available information.         Components:         White mineral oil (petroleum):         Species       : Rabbit         Result       : No eye irritation         fenbendazole:         Species       : Rabbit         Result       : No eye irritation         fensendazole:         Species       : Rabbit         Result       : No eye irritation         Respiratory or skin sensitization         Skin sensitization         Not classified based on available information.         Respiratory sensitization         Not classified based on available information.         Components:         White mineral oil (petroleum):         Test Type       : Buehler Test         Routes of exposure       : Skin contact         Species       : Guinea pig         Result       : negative					
Not classified based on available information.         Components:         White mineral oil (petroleum):         Species       :         Result       :         Result       :         Species       :         Result       :         No eye irritation         Respiratory or skin sensitization         Skin sensitization         Not classified based on available information.         Respiratory sensitization         Not classified based on available information.         Components:         White mineral oil (petroleum):         Test Type       :         Not classified based on available information.         Components:         White mineral oil (petroleum):         Test Type       :         Skin contact         Species       :         Guinea pig         Result       :         Result       :         Result       :         Result       :	Resul	t	:	No skin irritation	1
Components:         White mineral oil (petroleum):         Species       Rabbit         Result       No eye irritation         fenbendazole:         Species       Rabbit         Result       No eye irritation         Species       Rabbit         Result       No eye irritation         Respiratory or skin sensitization         Skin sensitization         Not classified based on available information.         Respiratory sensitization         Not classified based on available information.         Components:         White mineral oil (petroleum):         Test Type       Buehler Test         Routes of exposure       Skin contact         Species       Guinea pig         Result       egative	Serio	us eye damage/eye	irritati	on	
White mineral oil (petroleum):         Species       :         Result       :         No eye irritation         fenbendazole:         Species       :         Species       :         Result       :         No eye irritation         Fenbendazole:         Species       :         Species       :         Species       :         Result       :         No eye irritation         Respiratory or skin sensitization         Skin sensitization         Not classified based on available information.         Respiratory sensitization         Not classified based on available information.         Components:         White mineral oil (petroleum):         Test Type       :         Skin contact         Species       :         Guinea pig         Result       :         Result       :         Bern cell mutagenicity	Not cl	assified based on av	ailable	information.	
Species       : Rabbit         Result       : No eye irritation         fenbendazole:       :         Species       : Rabbit         Result       : No eye irritation         Respiratory or skin sensitization       :         Skin sensitization       :         Skin sensitization       :         Not classified based on available information.       :         Respiratory sensitization       :         Not classified based on available information.       :         Components:       :         White mineral oil (petroleum):       :         Test Type       : Buehler Test         Routes of exposure       : Skin contact         Species       : Guinea pig         Result       : negative	<u>Comp</u>	oonents:			
Result       : No eye irritation         fenbendazole:	White	e mineral oil (petrole	eum):		
fenbendazole:         Species       :         Result       :         Respiratory or skin sensitization         Skin sensitization         Not classified based on available information.         Respiratory sensitization         Not classified based on available information.         Respiratory sensitization         Not classified based on available information.         Components:         White mineral oil (petroleum):         Test Type       :         Skin contact         Species       :         Gern cell mutagenicity			:		
Species : Rabbit   Result : No eye irritation      Respiratory or skin sensitization   Skin sensitization   Not classified based on available information.   Respiratory sensitization   Not classified based on available information.   Components:   White mineral oil (petroleum):   Test Type :   Routes of exposure :   Skin contact   Species :   Guinea pig   Result :   negative	Resu	L		No eye imtation	
Result       : No eye irritation         Respiratory or skin sensitization         Skin sensitization         Not classified based on available information.         Respiratory sensitization         Not classified based on available information.         Components:         White mineral oil (petroleum):         Test Type       : Buehler Test         Routes of exposure       : Skin contact         Species       : Guinea pig         Result       : negative	fenbe	ndazole:			
Respiratory or skin sensitization         Skin sensitization         Not classified based on available information.         Respiratory sensitization         Not classified based on available information.         Components:         White mineral oil (petroleum):         Test Type       E Buehler Test         Routes of exposure       Skin contact         Species       Guinea pig         Result       e negative			:		
Skin sensitization         Not classified based on available information.         Respiratory sensitization         Not classified based on available information.         Components:         White mineral oil (petroleum):         Test Type       Euchler Test         Routes of exposure       Skin contact         Species       Guinea pig         Result       enegative	Resul	t	:	No eye irritation	
Not classified based on available information.         Respiratory sensitization         Not classified based on available information.         Components:         White mineral oil (petroleum):         Test Type       :         Buehler Test         Routes of exposure       :         Species       :         Germ cell mutagenicity	Resp	iratory or skin sens	itizatio	on	
Respiratory sensitization         Not classified based on available information.         Components:         White mineral oil (petroleum):         Test Type       :         Buehler Test         Routes of exposure       :         Species       :         Germ cell mutagenicity	Skin	sensitization			
Not classified based on available information.         Components:         White mineral oil (petroleum):         Test Type       :         Buehler Test         Routes of exposure       :         Species       :         Germ cell mutagenicity	Not cl	assified based on av	ailable	information.	
Components:White mineral oil (petroleum):Test TypeTest TypeRoutes of exposureSpeciesSpeciesGuinea pigResultTest TypeCerm cell mutagenicity	-				
White mineral oil (petroleum):         Test Type       :       Buehler Test         Routes of exposure       :       Skin contact         Species       :       Guinea pig         Result       :       negative	Not cl	assified based on av	ailable	information.	
Test Type       :       Buehler Test         Routes of exposure       :       Skin contact         Species       :       Guinea pig         Result       :       negative	Comp	oonents:			
Routes of exposure       :       Skin contact         Species       :       Guinea pig         Result       :       negative	White	e mineral oil (petrole	eum):		
Species       :       Guinea pig         Result       :       negative			:		
Result : negative Germ cell mutagenicity			:		
			:		
	Gorm	cell mutagenicity			
			ailahle	information	



rsion	Revision Date: 30.09.2023		S Number: 87918-00008	Date of last issue: 04.04.2023 Date of first issue: 22.03.2021
<u>Comp</u>	oonents:			
White	e mineral oil (petrole	um):		
	toxicity in vitro	:	Test Type: In vi Result: negative	tro mammalian cell gene mutation test
Geno	Genotoxicity in vivo :		cytogenetic ass Species: Mouse Application Rou Method: OECD Result: negative	te: Intraperitoneal injection Test Guideline 474
fenbe	endazole:			
	toxicity in vitro	:	Test Type: Bac Result: negative	erial reverse mutation assay (AMES)
			Test Type: DNA Result: negative	
			Test Type: Chro Result: negative	omosomal aberration
				ouse lymphoma cells ation: Metabolic activation
	nogenicity		· •	
_	assified based on ava	allable	information.	
	oonents:			
	e mineral oil (petrole	um):		
Speci	es cation Route	÷	Rat Ingestion	
	sure time	:	24 Months	
Resul		:	negative	
fenhe	endazole:			
TCHIDU			Mouse	
Speci	es	:	MOUSC	
Speci Applic	cation Route	:	oral (feed)	
Speci Applic Expos	cation Route sure time	:	oral (feed) 2 Years	
Speci Applic	cation Route sure time EL		oral (feed)	/ weight
Speci Applic Expos NOAE Resul	cation Route sure time EL t es		oral (feed) 2 Years 405 mg/kg body negative Rat	/ weight
Speci Applic Expos NOAE Resul Speci Applic	cation Route sure time EL t t es cation Route		oral (feed) 2 Years 405 mg/kg body negative Rat Oral	v weight
Speci Applic Expos NOAE Resul Speci Applic Expos	cation Route sure time EL t t es cation Route sure time		oral (feed) 2 Years 405 mg/kg body negative Rat Oral 2 Years	-
Speci Applic Expos NOAE Resul Speci Applic	cation Route sure time EL t t es cation Route sure time EL		oral (feed) 2 Years 405 mg/kg body negative Rat Oral	-



Versio 1.7	-	Revision Date: 30.09.2023		9S Number: 87918-00008	Date of last issue: 04.04.2023 Date of first issue: 22.03.2021
	•	uctive toxicity ed of damaging fertilit	ty. S	uspected of damag	jing the unborn child.
<u>(</u>	Compoi	nents:			
١	White m	nineral oil (petroleum	n):		
E	Effects o	on fertility	:	Test Type: One-ge Species: Rat Application Route Result: negative	eneration reproduction toxicity study : Skin contact
E	Effects c	on fetal development	:	Test Type: Embry Species: Rat Application Route Result: negative	o-fetal development : Ingestion
f	fenbend	lazole:			
E	Effects c	on fertility	:	Species: Rat Application Route General Toxicity F	Parent: NOAEL: 15 mg/kg body weight I5 mg/kg body weight
E	Effects c	on fetal development	:	Result: Embryotox	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.
	Reprodu sessmer	uctive toxicity - As- nt	:	fertility, based on	adverse effects on sexual function and animal experiments., Some evidence of development, based on animal



ersion 7	Revision Date: 30.09.2023	SDS Number:Date of last issue: 04.04.20237987918-00008Date of first issue: 22.03.2021
STOT	-single exposure	
Not cl	assified based on av	ailable information.
STOT	-repeated exposure	
	assified based on av	vilable information
INOL CI	assilied based on av	
Comp	oonents:	
fenbe	ndazole:	
	s of exposure	: Ingestion
	t Organs	: Liver, Stomach, Nervous system, Lymph nodes
Asses	sment	: May cause damage to organs through prolonged or repeate
		exposure.
Repe	ated dose toxicity	
Comp	oonents:	
	e mineral oil (petrole	um):
Speci		: Rat
LOAE		: 160 mg/kg
-	ation Route	: Ingestion
	sure time	: 90 Days
Speci	es	: Rat
LOAE		: >= 1 mg/l
Applic	ation Route	: inhalation (dust/mist/fume)
	sure time	: 4 Weeks
Metho	bd	: OECD Test Guideline 412
fenbe	ndazole:	
Speci		: Rat
LOAE		: 500 mg/kg
	ation Route	: Oral
	sure time	: 2 Weeks
	t Organs	: Kidney, Liver
Speci	es	: Rat
NOAE		2,500  mg/kg
	ation Route	: Oral
	sure time	: 30 Days
Rema		: No significant adverse effects were reported
Speci	es	: Rat
LOAE		: 1,600 mg/kg
	ation Route	: Oral
	sure time	: 90 Days
	t Organs	: Central nervous system
Symp	toms	: Tremors
Speci	es	: Dog
NOAE		: 4 mg/kg
LOAE		: 8 mg/kg
Evnor	sure time	: 6 Months



rsion	Revision Date: 30.09.2023		9S Number: 87918-00008	Date of last issue: 04.04.2023 Date of first issue: 22.03.2021
Targe	t Organs	:	Stomach, Nervou	us system, Lymph nodes
-	ation toxicity			
Not cl	assified based on availa	ble	information.	
<u>Comp</u>	oonents:			
	ndazole: piration toxicity classific	atio	n	
Expe	rience with human exp	osu	ire	
<u>Comp</u>	oonents:			
fenbe	ndazole:			
Inges	tion	:	Symptoms: Rapi	d respiration, Salivation, anorexia, Diarrhea
CTION	12. ECOLOGICAL INFO	DRN	IATION	
Ecoto	oxicity			
<u>Comp</u>	oonents:			
White	e mineral oil (petroleun	ı):		
	ty to fish	:	Exposure time: 9	chus mykiss (rainbow trout)): > 100 mg/l 6 h <sup>-</sup> est Guideline 203
	ty to daphnia and other ic invertebrates	:	Exposure time: 4	nagna (Water flea)): > 100 mg/l 8 h <sup>-</sup> est Guideline 202
Tavia				
plants	ty to algae/aquatic	•	mg/l	irchneriella subcapitata (green algae)): 100
			Exposure time: 7 Method: OECD 1	2 h Test Guideline 201
Toxici icity)	ty to fish (Chronic tox-	:	NOEC (Oncorhy Exposure time: 2	nchus mykiss (rainbow trout)): 1,000 mg/l 8 d
	ty to daphnia and other ic invertebrates (Chron- city)	:	NOEC (Daphnia Exposure time: 2	magna (Water flea)): 1,000 mg/l 1 d
fenbe	ndazole:			
Toxici	ty to fish	:	LC50 (Lepomis r Exposure time: 2	nacrochirus (Bluegill sunfish)): 0.009 mg/l 1 d
	ty to daphnia and other ic invertebrates	:	Exposure time: 4	
aquai			Method: OECD	est Guideline 202



Ver 1.7	sion	Revision Date: 30.09.2023		DS Number: 87918-00008	Date of last issue: 04.04.2023 Date of first issue: 22.03.2021
	ic toxic	sity)		Method: OECD T	est Guideline 211
	Persis	tence and degradabil	ity		
	<u>Comp</u>	onents:			
		<b>mineral oil (petroleur</b> gradability	n): :	Result: Not readil Biodegradation: 3 Exposure time: 28	31 %
	Bioaco	cumulative potential			
	<u>Comp</u>	onents:			
	fenber	ndazole:			
		on coefficient: n- I/water	:	log Pow: 3.32	
	Mobili	ty in soil			
	Comp	onents:			
	fenber	ndazole:			
		ution among environ- l compartments	:	log Koc: 3.8 - 4.7 Method: FDA 3.08	3
		adverse effects a available			
SEC	CTION 1	13. DISPOSAL CONSI	DEF	RATIONS	
	Diene	sal mothods			
	-	sal methods from residues		Do not dispose of	waste into sewer.
			•	Dispose of in acc	ordance with local regulations.
	Contar	minated packaging	:	Empty containers	should be taken to an approved waste

		Dispose of in accordance with local regulations.
ed packaging	:	Empty containers should be taken to an approved waste
		handling site for recycling or disposal.
		If not otherwise specified: Dispose of as unused product.

### **SECTION 14. TRANSPORT INFORMATION**

### International Regulations

UNRTDG		
UN number	:	UN 3077
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (fenbendazole)
Class	:	9
Packing group	:	III
Labels	:	9
Environmentally hazardous	:	yes
IATA-DGR		



Version 1.7	Revision Date: 30.09.2023		95 Number: 87918-00008	Date of last issue: 04.04.2023 Date of first issue: 22.03.2021		
UN/ID No. Proper shipping name		:	UN 3077 Environmentally hazardous substance, solid, n.o.s. (fenbendazole)			
Class Packing group Labels Packing instruction (cargo		::	9 III Miscellaneous 956			
aircraft) Packing instruction (passen- ger aircraft) Environmentally hazardous		:	956 yes			
<b>IMDG-Code</b> UN number Proper shipping name		:	UN 3077 ENVIRONMENTA N.O.S. (fenbendazole)	ALLY HAZARDOUS SUBSTANCE, SOLID,		
Labels EmS		:	9 III 9 F-A, S-F yes			

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

Not applicable for product as supplied.

### **Domestic regulation**

#### NOM-002-SCT

UN number Proper shipping name	:	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (fenbendazole)
Class Packing group Labels	:	9 III 9

#### 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

Federal Law for the control of chemical precursors, : Not applicable essential chemical products and machinery for producing capsules, tablets and pills.

### The ingredients of this product are reported in the following inventories:

AICS	-	:	not determined
DSL		:	not determined



Version 1.7	Revision Date: 30.09.2023		98 Number: 87918-00008	Date of last issue: 04.04.2023 Date of first issue: 22.03.2021		
IE	CSC	:	not determined			
SECTION 16. OTHER INFORMATION						
Revision Date Date format		:	30.09.2023 dd.mm.yyyy			
Full text of other abbreviations						
	ACGIH NOM-010-STPS-2014		USA. ACGIH Threshold Limit Values (TLV) Mexico. Norm NOM-010-STPS-2014 on Chemicals Polluting the Work Environment - Identification, Assessment and Con- trol - Appendix 1 Occupational Exposure Limits			
ACGIH / TWA : NOM-010-STPS-2014 / VLE- : PPT		:	8-hour, time-weighted average Time weighted average limit value			

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 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

Sources of key data used to : compile the Material Safety Data Sheet

Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/





Version	Revision Date:	SDS Number:	Date of last issue: 04.04.2023
1.7	30.09.2023	7987918-00008	Date of first issue: 22.03.2021

The information is considered as correct, but not exhaustive, and will be used only as a guide, which is based in the current knowledge of the substance or mixture, and is applicable to proper safety precautions for the product.

MX / Z8