

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1	Product identifier Trade name	:	Fenbendazole Premix Formulation
1.2	Relevant identified uses of th	he s	ubstance or mixture and uses advised against
	Use of the Sub- stance/Mixture	:	Veterinary product
	Recommended restrictions on use	:	Not applicable
1.3	Details of the supplier of the	saf	ety data sheet
	Company	:	MSD Kilsheelan Clonmel Tipperary, IE
	Telephone	:	353-51-601000
	E-mail address of person responsible for the SDS	:	EHSDATASTEWARD@msd.com

1.4 Emergency telephone number

+1-908-423-6000

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Reproductive toxicity, Category 2

Specific target organ toxicity - repeated exposure, Category 2 Short-term (acute) aquatic hazard, Category 1 Long-term (chronic) aquatic hazard, Category 1 H361fd: Suspected of damaging fertility. Suspected of damaging the unborn child. H373: May cause damage to organs through prolonged or repeated exposure. H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) Hazard pictograms :





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Signa	l word	: Warning	
Hazar	d statements	ing the unborn H373 May ca repeated expos	use damage to organs through prolonged or
Preca	utionary statements	P260 Do not P273 Avoid r	special instructions before use. breathe dust. elease to the environment. rotective gloves/ protective clothing/ eye protec- ction.
		Response: P308 + P313 attention. P391 Collect	IF exposed or concerned: Get medical advice/ spillage.

Hazardous components which must be listed on the label:

fenbendazole

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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

3.2 Mixtures

Components

Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Index-No.		
	Registration number		
fenbendazole	43210-67-9	Repr. 2; H361fd	>= 20 - < 25
	256-145-7	STOT RE 2; H373	



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			(Liver, Stomach, Nervous system, Lymph nodes) Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 10	
Paraf	fin oil	8012-95-1 232-384-2	Asp. Tox. 1; H304 Aquatic Chronic 4; H413	>= 10 - < 20

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of 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.
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).
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.

4.2 Most important symptoms and effects, both acute and delayed

Risks



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		May cause dan exposure.	nage to organs through prolonged or repeated		
		Contact with dust can cause mechanical irritation or drying of the skin.			
			th the eyes can lead to mechanical irritation.		
4.3 Indicat	tion of any immediat	e medical attention a	nd special treatment needed		
Treatr	ment	: Treat symptom	atically and supportively.		
Treatr	nent	: Treat symptom	atically and supportively.		

SECTION 5: Firefighting measures

5.1 Extinguishing media

5.3

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire- fighting	:	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides Nitrogen oxides (NOx) Sulphur oxides Metal oxides
Advice for firefighters		

Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
Specific extinguishing meth- ods	:	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 do so. Evacuate area.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment.	
		Follow safe handling advice (see section 7) and personal pro-	



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		tective equipme	ent recommendations (see section 8).		
6.2 Enviror	nmental precautions				
Environmental precautions :		Prevent further Retain and disp Local authoritie	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.		
6.3 Method	Is and material for co	ntainment and clea	ining up		
Metho	ds for cleaning up	tainer for dispo Avoid dispersa with compress Dust deposits s es, as these m leased into the Local or nation posal of this m employed in th mine which reg Sections 13 an	l of dust in the air (i.e., clearing dust surfaces		

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures	causing an explosion	
	and bonding, or ine	recautions, such as electrical grounding
Local/Total ventilation	Use only with adeq	
	Do not breathe dus	
Advice on safe handling		ι.
	Do not swallow.	
	Avoid contact with	
	, ,	repeated contact with skin.
		ce with good industrial hygiene and safety
	practice, based on sessment	the results of the workplace exposure as-
	Minimize dust gene	ration and accumulation.
		sed when not in use.
	Keep away from he	at and sources of ignition.
	Take precautionary	measures against static discharges.
		nt spills, waste and minimize release to the
Hygiene measures	If exposure to chen	nical is likely during typical use, provide eye nd safety showers close to the working



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			place. When usin nated clothing be	g do not eat, drink or smoke. Wash contami- fore re-use.		
7.2 Conditions for safe storage, including any incompatibilities						
Requirements for storage areas and containers		:	Keep in properly labelled containers. Store locked up. Store in accordance with the particular national regulations.			
Advice on common storage		:	Do not store with the following product types: Strong oxidizing agents			
•	f ic end use(s) cific use(s)	:	No data available	9		

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Dust

5 mg/m3 Value type (Form of exposure): TWA (respirable dust) Basis: FOR-2011-12-06-1358

10 mg/m3 Value type (Form of exposure): TWA (total dust) Basis: FOR-2011-12-06-1358

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
fenbendazole	43210-67-9	TWA	100 µg/m3 (OEB 2)	Internal
Paraffin oil	8012-95-1	TWA (Vapour)	50 mg/m3	FOR-2011- 12-06-1358
		TWA (Mist and particles)	1 mg/m3	FOR-2011- 12-06-1358

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006

Substance name	End Use	Exposure routes	Potential health ef- fects	Value
Paraffin oil	Workers	Inhalation	Long-term systemic effects	5 mg/m3
	Workers	Inhalation	Short-term exposure	5 mg/m3
	Workers	Inhalation	Long-term local ef- fects	5 mg/m3
	Workers	Inhalation	Acute local effects	5 mg/m3
Calcium carbonate	Workers	Inhalation	Long-term systemic effects	6,36 mg/m3
	Consumers	Ingestion	Acute systemic ef- fects	6,1 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	1,06 mg/m3

100 mg/l

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		Consumers	Ingestion	h Long-term systemic effects	c 6,1 mg/kg bw/day		
Predi	Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006						
Subst	Substance name		Environmental	Compartment	Value		
fenbe	endazole			•	0,0001 mg/l		

Sewage treatment plant

8.2 Exposure controls

Calcium carbonate

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Minimize workplace exposure concentrations.

Apply measures to prevent dust explosions.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

Personal protective equipment

Eye/face protection	:	Wear the following personal protective equipment: Safety goggles Equipment should conform to NS EN 166
Hand protection		
Material	:	Chemical-resistant gloves
Remarks	:	Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous sub- stance and 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.
Skin and body protection	:	Select appropriate protective clothing based on chemical re- sistance data and an assessment of the local exposure poten- tial. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).
Respiratory protection	:	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Equipment should conform to NS EN 14387
Filter type	:	Combined particulates and organic vapour type (A-P)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	powder
Colour	:	light brown
Odour	:	characteristic

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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	Odour ⁻	Threshold	:	No data available	
	Melting	point/freezing point	:	No data available)
	Initial be range	oiling point and boiling	:	No data available	
	Flamma	ability (solid, gas)	:	May form explosi dling or other me	ve dust-air mixture during processing, han- ans.
	Flamma	ability (liquids)	:	No data available)
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	•
	Flash p	oint	:	Not applicable	
	Auto-ig	nition temperature	:	No data available	9
	Decom	position temperature	:	No data available	9
	pН		:	No data available	9
	Viscosi Visc	ty osity, kinematic	:	No data available)
	Solubili Wat	ty(ies) er solubility	:	No data available)
	Partition octanol	n coefficient: n- /water	:	No data available)
	Vapour	pressure	:	No data available)
	Density	,	:	No data available)
	Relative	e vapour density	:	No data available)
		characteristics icle size	:	No data available	
9.2		formation			
	Explosi	ves	:	Not explosive	
	Oxidizir	ng properties	:	The substance of	r mixture is not classified as oxidizing.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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Ev	aporation rate	:	No data available			
IVIO	Molecular weight : No data available					
SECTI	ON 10: Stability and rea	acti	vity			
	activity t classified as a reactivity h	naza	rd.			
10.2 Ch	emical stability					
10.3 Po	ssibility of hazardous rea	actio	ons			
Ha	zardous reactions	:	dling or other me	ive dust-air mixture during processing, han- ans. rong oxidizing agents.		
10.4 Co	nditions to avoid					
Co	nditions to avoid	:	Heat, flames and Avoid dust forma			
10.5 Inc	compatible materials					
Ма	terials to avoid	:	Oxidizing agents			
	zardous decomposition hazardous decomposition	-				
SECTI	ON 11: Toxicological ir	nfor	mation			
11.1 Inf	ormation on hazard class	ses	as defined in Req	ulation (EC) No 1272/2008		
	ormation on likely routes of		-			
exp	oosure		Skin contact			
			Ingestion Eye contact			
	ute toxicity t classified based on availa	able	information.			
<u>Co</u>	mponents:					
fer	bendazole:					
Ac	ute oral toxicity	:	LD50 (Rat): > 10.	000 mg/kg		
			LD50 (Mouse): >	10.000 mg/kg		
Pa	raffin oil:					
	ute oral toxicity	:	LD50 (Rat): > 5.0	00 mg/kg		
Ac	ute dermal toxicity	:	LD50 (Rabbit): > 2	2.000 mg/kg		

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			Assessment: The toxicity	substance or mixture has no acute dermal
-	corrosion/irritation lassified based on ava	ilable	information.	
<u>Com</u>	ponents:			
fenbe	endazole:			
Spec Resu		:	Rabbit No skin irritation	
Para	ffin oil:			
Spec Resu		:	Rabbit No skin irritation	
	ous eye damage/eye i lassified based on ava			
Com	ponents:			
fenbe	endazole:			
Spec Resu		:	Rabbit No eye irritation	
Para	ffin oil:			
Spec Resu		:	Rabbit No eye irritation	
Resp	piratory or skin sensit	tisatio	on	
	sensitisation lassified based on ava	ilable	information.	
-	iratory sensitisation lassified based on ava	ilable	information.	
	n cell mutagenicity lassified based on ava	ilable	information.	
Com	ponents:			
fenbe	endazole:			
Genc	otoxicity in vitro	:	Test Type: Bacte Result: negative	rial reverse mutation assay (AMES)
			Test Type: DNA F Result: negative	Repair
			Test Type: Chron Result: negative	nosomal aberration

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Test Type: in vitro assay Test system: mouse lymphoma cells Metabolic activation: Metabolic activation Result: equivocal

Carcinogenicity

Not classified based on available information.

Components:

fenbendazole:

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

Reproductive toxicity

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

Components:

fenbendazole:

Effects on fertility :	Test Type: Three-generation reproduction toxicity study Species: Rat Application Route: oral (feed) General Toxicity - Parent: NOAEL: 15 mg/kg body weight Fertility: LOAEL: 45 mg/kg body weight Result: Effects on fertility	
Effects on foetal develop- : ment	Test Type: Development Species: Dog, female Application Route: Oral Developmental Toxicity: LOAEL: 100 mg/kg body weight Result: Embryotoxic effects and adverse effects on the off- spring were detected., No teratogenic effects	
	Test Type: Embryo-foetal development Species: Rabbit Application Route: Oral Developmental Toxicity: NOAEL: 25 mg/kg body weight Result: Fetotoxicity	
	Test Type: Embryo-foetal development	

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		Test Type: Em Species: Rat Application Ro Developmenta	ute: Oral I Toxicity: LOAEL: 63 mg/kg body weight bryo-foetal development	
Reproductive toxicity - As- sessment		fertility, based	Some evidence of adverse effects on sexual function and fertility, based on animal experiments., Some evidence of adverse effects on development, based on animal experiments.	

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Components:

fenbendazole:

: 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

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NC LC Ex		-		Dog 4 mg/kg 8 mg/kg 6 Months Stomach, Nervou	is system, Lymph nodes
Sp LC Ap		6		Rat, female 161 mg/kg Ingestion 90 Days	
No	ot cla	tion toxicity ssified based on availa	able	information.	
fe	nben	onents: dazole: iration toxicity classific	atio	n	
Th					aspiration toxicity hazards or has to be re- zard.
11.2 In	form	ation on other hazar	ds		
Er	ndocı	rine disrupting prope	ertie	S	
	Product: Assessment : The substance/mixture does not contain components consi ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 levels of 0.1% or higher.				
Ex	xperie	ence with human exp	osi	ure	
<u>Co</u>	ompo	onents:			
fe	nben	dazole:			
Ing	gestic	on	:	Symptoms: Rapio	d respiration, Salivation, anorexia, Diarrhoea

SECTION 12: Ecological information

12.1 Toxicity

Components:

fenbendazole:

Toxicity to fish

: LC50 (Lepomis macrochirus (Bluegill sunfish)): 0,009 mg/l



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			Exposure time: 2	1 d	
	ity to daphnia and other tic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0,0088 mg/l Exposure time: 48 h Method: OECD Test Guideline 202		
M-Fa icity)	ctor (Acute aquatic tox-	:	100		
	ity to daphnia and other tic invertebrates (Chron- icity)	:	NOEC: 0,00113 mg/l Exposure time: 21 Days Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211		
M-Fa toxici	ctor (Chronic aquatic ty)	:	10		
Para	ffin oil:				
Toxic	ity to fish	:	 LL50 (Scophthalmus maximus (turbot)): > 100 mg/l Exposure time: 96 h Test substance: Water Accommodated Fraction Remarks: Based on data from similar materials 		
	ity to daphnia and other tic invertebrates	:	 EL50 (Acartia tonsa (Calanoid copepod)): > 100 mg/l Exposure time: 48 h Test substance: Water Accommodated Fraction Remarks: Based on data from similar materials 		
Toxic plants	ity to algae/aquatic s	 EL50 (Skeletonema costatum (marine diatom)): > 10 Exposure time: 72 h Test substance: Water Accommodated Fraction Remarks: Based on data from similar materials 		2 h Water Accommodated Fraction	
			Exposure time: 7 Test substance:	nema costatum (marine diatom)): > 1 mg/l 2 h Water Accommodated Fraction on data from similar materials	
	istence and degradabil ata available	ity			
12.3 Bioa	ccumulative potential				
<u>Com</u>	ponents:				
Partit octar	endazole: ion coefficient: n- iol/water ffin oil:	:	log Pow: 3,32		

Paraffin oil:

Partition coefficient: n-	:	log Pow: > 4
octanol/water		Remarks: Calculation

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12.4 Mobility in soil

Components:

fenbendazole:

Distribution among environ-	:	log Koc: 3,8 - 4,7
mental compartments		Method: FDA 3.08

12.5 Results of PBT and vPvB assessment

Product:

Assessment	: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of
	0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	:	Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. Do not dispose of waste into sewer.
Contaminated packaging	:	Empty containers should be taken to an approved waste han- dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

SECTION 14: Transport information

14.1 UN number or ID number

ADN	:	UN 3077
ADR	:	UN 3077
RID	:	UN 3077

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IMDG		:	UN 3077	
ΙΑΤΑ		:	UN 3077	
14.2 UN pr	oper shipping name			
ADN		:	ENVIRONMENTA N.O.S. (fenbendazole)	ALLY HAZARDOUS SUBSTANCE, SOLID,
ADR		:	ENVIRONMENT N.O.S. (fenbendazole)	ALLY HAZARDOUS SUBSTANCE, SOLID,
RID		:	ENVIRONMENTA N.O.S. (fenbendazole)	ALLY HAZARDOUS SUBSTANCE, SOLID,
IMDG		:	ENVIRONMENTA N.O.S. (fenbendazole)	ALLY HAZARDOUS SUBSTANCE, SOLID,
ΙΑΤΑ		:	Environmentally h (fenbendazole)	nazardous substance, solid, n.o.s.

Subsidiary risks

14.3 Transport hazard class(es)

	Class
ADN	: 9
ADR	: 9
RID	: 9
IMDG	: 9
ΙΑΤΑ	: 9

14.4 Packing group

ADN Packing group Classification Code Hazard Identification Number Labels	: : :	III M7 90 9
ADR Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code	: : : : : : : : : : : : : : : : : : : :	III M7 90 9 (-)
RID Packing group Classification Code Hazard Identification Number Labels IMDG		III M7 90 9

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	Packing Labels EmS C	g group ode	:	III 9 F-A, S-F	
	IATA (Packing aircraft	g instruction (cargo	:	956	
	Packing	g instruction (LQ) g group	:	Y956 III Miscellaneous	
	IATA (I Packing	J (:	956	
		craft) g instruction (LQ) g group	:	Y956 III Miscellaneous	
14.5 Environmental hazards					
	ADN Enviror	nmentally hazardous	:	yes	
	ADR Enviror	nmentally hazardous	:	yes	
	RID Enviror	nmentally hazardous	:	yes	
	IMDG Marine	pollutant	:	yes	
		Passenger) nmentally hazardous	:	yes	
	IATA (Enviror	Cargo) nmentally hazardous	:	yes	
440	0	l mraaautiana far uaa			

14.6 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.

14.7 Maritime transport in bulk according to IMO instruments

Remarks

: Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	:	Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	Not applicable
REACH - List of substances subject to authorisation	:	Not applicable



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```	ex XIV) lation (EC) on substan	one :	Not applicable		
layer Regu	lation (EU) 2019/1021	on persistent organic p		Not applicable	
tants (recast) Regulation (EU) No 649/2012 of the European Parlia- ment and the Council concerning the export and import				Not applicable	
of dangerous chemicals Seveso III: Directive 2012/18/EU of the European Parlian major-accident hazards involving dangerous substances				t and of the Coun	cil on the control of
E1		ENVIRONMENT HAZARDS	TAL	Quantity 1 100 t	Quantity 2 200 t

### Other regulations:

Note the Working Environment Act § 4-1 and § 4-2 on requirements for the employer to protect pregnant employees against discomfort and injury as a result of the work situation and the working environment.

Note the regulation on organization, leadership and participation, chapter 12 on the work of children and young people.

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

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

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

## **SECTION 16: Other information**

Other information	:	Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.		
Full text of H-Statements				
H304	:	May be fatal if swallowed and enters airways.		
H361fd	:	Suspected of damaging fertility. Suspected of damaging the unborn child.		
H373	:	May cause damage to organs through prolonged or repeated exposure if swallowed.		
H400	:	Very toxic to aquatic life.		
H410	:	Very toxic to aquatic life with long lasting effects.		
H413	:	May cause long lasting harmful effects to aquatic life.		
Full text of other abbreviations				
Aquatic Acute Aquatic Chronic Asp. Tox.	:	Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Aspiration hazard		



## **Fenbendazole Premix Formulation**

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	Г RE ·2011-12-06-1358 ·2011-12-06-1358 /		organ toxicity - repeated exposure pational Exposure limits

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA -European Chemicals Agency; EC-Number - European Community number; 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; 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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; 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

### Further information

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

## Classification of the mixture:

Repr. 2	H361fd
STOT RE 2	H373
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

Classification procedure:

Calculation	method
Calculation	method
Calculation	method
Calculation	method



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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.

NO / EN