

Vers 3.0	sion	Revision Date: 2023/09/30		5 Number: 2508-00007	Date of last issue: 2023/04/04 Date of first issue: 2021/03/19
1. P	RODUC	T AND COMPANY IDI	ΞΝΤΙ	FICATION	
	Produc	t name	:	Oxfendazole / O>	cyclozanide Formulation
	Manufa	acturer or supplier's d	letai	ls	
	Compa	ny	:	MSD	
	Addres	S	:	126 E. Lincoln Av Rahway, New Je	venue rsey U.S.A. 07065
	Telepho	one	:	908-740-4000	
	Emergency telephone number		· :	1-908-423-6000	
	E-mail a	address	:	EHSDATASTEW	ARD@msd.com
	Recom	mended use of the ch	nemi	cal and restriction	ons on use
		mended use tions on use	:	Veterinary medic Not applicable	ine
2. H	AZARD	S IDENTIFICATION			
	GHS C	lassification			
	Reprod	uctive toxicity	:	Category 1B	
		c target organ toxicity - exposure (Oral)	:	Category 2 (Cent	tral nervous system)
		c target organ toxicity - ed exposure	:	Category 2 (Liver	r, Testis, Brain)
	Short-te hazard	erm (acute) aquatic	:	Category 1	
	Long-te hazard	erm (chronic) aquatic	:	Category 1	

GHS label elements

Hazard pictograms



Signal word

Hazard statements

H360FD May damage fertility. May damage the unborn child. H371 May cause damage to organs (Central nervous system) if

:



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		through prolon	se damage to organs (Liver, Testis, Brain) ged or repeated exposure. c to aquatic life with long lasting effects.
Preca	utionary statements	P202 Do not h and understood P260 Do not b P264 Wash sk P270 Do not e P273 Avoid rel	reathe dust. in thoroughly after handling. at, drink or smoke when using this product. ease to the environment. otective gloves/ protective clothing/ eye protec-
		Response: P308 + P311 II CENTER/ doct P391 Collect s	-
		Storage: P405 Store loc	ked up.
		Disposal:	of contents/ container to an approved waste
Dust Conta	contact with the eyes o act with dust can cause	ot result in classifica can lead to mechanical e mechanical irritation of mixture during proces	irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	:	Mixture
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Components

Chemical name	CAS-No.	Concentration (% w/w)
oxyclozanide	2277-92-1	>= 30 -< 60
oxfendazole	53716-50-0	>= 10 -< 25
Starch, oxidized	65996-62-5	>= 10 -< 30
Magnesium stearate	557-04-0	< 10

4. FIRST AID MEASURES

General advice

: In the case of accident or if you feel unwell, seek medical advice immediately.

When symptoms persist or in all cases of doubt seek medical advice.



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lf	If inhaled In case of skin contact		:	: If inhaled, remove to fresh air. Get medical attention.				
Ir			 In case of contact, immediately flush skin with soap and ple of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse. 					
Ir	n case	of eye contact	:	If in eyes, rinse w	ell with water.			
lf	f swallo	owed	:	 Get medical attention if irritation develops and persists. If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. 				
а		nportant symptoms ects, both acute and d	:	May damage ferti May cause damage May cause damage exposure. Contact with dust the skin.	ity. May damage the unborn child. ge to organs if swallowed. ge to organs through prolonged or repeated can cause mechanical irritation or drying of the eyes can lead to mechanical irritation.			
Ρ	Protection of first-aiders		:	First Aid responde and use the recor	nmended personal protective equipment I for exposure exists (see section 8).			
N	Notes t	o physician	:		cally and supportively.			
5. FIR	REFIGH	HTING MEASURES						
		e extinguishing media able extinguishing	:	Water spray Alcohol-resistant f Carbon dioxide (C Dry chemical None known.				
S	nedia Specific ighting	c hazards during fire-	:	concentrations, an potential dust exp	dust; fine dust dispersed in air in sufficient nd in the presence of an ignition source is a losion hazard. oustion products may be a hazard to health.			
	Hazard ucts	ous combustion prod-	:	Carbon oxides Chlorine compour Nitrogen oxides (I Metal oxides Oxides of phosph	NOx)			
	Specific ods	c extinguishing meth-	:	cumstances and t Use water spray t Remove undamag so.	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			
		protective equipment ighters	:		e, wear self-contained breathing apparatus. tective equipment.			



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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	:	 Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Dust deposits should not be allowed to accumulate on 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. HANDLING AND STORAGE

Technical measures	:	Static electricity may accumulate and ignite suspended dust causing an explosion. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
Local/Total ventilation	:	If sufficient ventilation is unavailable, use with local exhaust ventilation.
Advice on safe handling	:	Do not get on skin or clothing. Do not breathe dust. Do not swallow. Avoid contact with eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment Keep container tightly closed. Minimize dust generation and accumulation. Keep container closed when not in use. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	:	Keep in properly labelled containers.



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		Store locked up Keep tightly clos	
Mater	rials to avoid		ance with the particular national regulations. h the following product types:

Strong oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

components with workplace control parameters				
Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
oxyclozanide	2277-92-1	TWA	0.4 mg/m3 (OEB 2)	Internal
oxfendazole	53716-50-0	TWA	40 µg/m3 (OEB 3)	Internal
		Wipe limit	400 µg/100 cm ²	Internal
Starch, oxidized	65996-62-5	TWA (inhal- able dust)	0.5 mg/m3	ACGIH
Magnesium stearate	557-04-0	NAB	10 mg/m3	ID OEL
	enough data te	Further information: Not classified as carcino enough data to classify these materials as carcino mans or animals		
		TWA (Inhal- able particu- late matter)	10 mg/m3	ACGIH
		TWA (Res- pirable par- ticulate mat- ter)	3 mg/m3	ACGIH

Components with workplace control parameters

Engineering measures :	All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face con- tainment devices). Minimize open handling.	
Personal protective equipmen	t	
Respiratory protection :	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection.	
Filter type : Hand protection	Particulates type	
Material :	Chemical-resistant gloves	
Remarks :	Consider double gloving.	

Eye protection : Wear safety glasses with side shields or goggles.



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	nd body protection	If the work envir mists or aerosol Wear a faceshie potential for dire aerosols. Work uniform or Additional body task being perfor posable suits) to Use appropriate contaminated cl If exposure to cl eye flushing sys ing place. When using do Wash contamina The effective op engineering con appropriate deg	nemical is likely during typical use, provide tems and safety showers close to the work- not eat, drink or smoke. ated clothing before re-use. eration of a facility should include review of trols, proper personal protective equipment, owning and decontamination procedures, ne monitoring, medical surveillance and the

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Colour	:	white to off-white, light cream, cream
Odour	:	No data available
Odour Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	May form explosive dust-air mixture during processing, han- dling or other means.
Flammability (liquids)	:	Not applicable
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available



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Vapou	r pressure	:	Not applicable	
Relativ	ve vapour density	:	Not applicable	
Relativ	ve density	:	No data available	e
Densit	у	:	0.88 g/cm ³	
	lity(ies) iter solubility	:	No data available	e
	on coefficient: n- bl/water	:	Not applicable	
	gnition temperature	:	No data availabl	e
Decon	nposition temperature	:	No data available	e
Viscos Vis	ity cosity, kinematic	:	Not applicable	
Explos	sive properties	:	Not explosive	
	ing properties	:		r mixture is not classified as oxidizing.
Molec	ular weight	:	No data availabl	9

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, han- dling or other means. Can react with strong oxidizing agents.
Conditions to avoid	:	Heat, flames and sparks. Avoid dust formation.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

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

Acute toxicity

Not classified based on available information.



rsion)	Revision Date: 2023/09/30		OS Number: 42508-00007	Date of last issue: 2023/04/04 Date of first issue: 2021/03/19
<u>Comp</u>	oonents:			
oxycl	ozanide:			
Acute	oral toxicity	:	LD50 (Rat): 3,5 ² Target Organs:	19 mg/kg Central nervous system
	toxicity (other routes of istration)	:	LDLo (sheep): 1 Application Rou	
oxfen	dazole:			
Acute	oral toxicity	:	LD50 (Rat): > 6,	000 mg/kg
			LD50 (Dog): 1,6	00 mg/kg
			LD50 (sheep): 2	50 mg/kg
	esium stearate:			
Acute	oral toxicity	:	Assessment: Th icity	000 mg/kg Test Guideline 423 e substance or mixture has no acute oral to d on data from similar materials
Acute	dermal toxicity	:	LD50 (Rabbit): > Remarks: Based	> 2,000 mg/kg d on data from similar materials
II Skin (corrosion/irritation			
Not cl	assified based on availa	ble	information.	
<u>Comp</u>	oonents:			
oxycl	ozanide:			
Rema		:	Not classified du	ue to lack of data.
	dazole:			
Speci Resul		:	Rabbit	
Resul	ι	•	No skin irritation	
Magn	esium stearate:			
Speci		:	Rabbit	
Resul Rema	-	÷	No skin irritation	rom similar materials
			Daseu un uala i	

Serious eye damage/eye irritation

Not classified based on available information.



ersion .0	Revision Date: 2023/09/30		S Number: 42508-00007	Date of last issue: 2023/04/04 Date of first issue: 2021/03/19
Comp	oonents:			
oxycl	ozanide:			
Rema	urks	:	Not classified du	ue to lack of data.
oxfen	idazole:			
Speci Resul	es t	:	Rabbit No eye irritation	
Magn	esium stearate:			
Speci		:	Rabbit	
Resul Rema		:	No eye irritation Based on data f	rom similar materials
Respi	iratory or skin sens	itisatic	on	
Skin	sensitisation			
Not cl	assified based on av	ailable	information.	
Resp	iratory sensitisatior	า		
Not cl	assified based on av	ailable	information.	
<u>Comp</u>	<u>oonents:</u>			
oxycl	ozanide:			
Expos	sure routes	:	Dermal	
Rema	ırks	:	Not classified du	ue to lack of data.
-	esium stearate:			
Test T	Type	:	Maximisation Te	est
Speci	sure routes es	÷	Skin contact Guinea pig	
Metho		:	OECD Test Gui	deline 406
Resul Rema		:	negative Record on data f	rom similar materials
IVEIIId		•	Daseu on uala i	
	cell mutagenicity assified based on av	ailabla	information	
	onents:	allable	inionnauon.	
oxvcl	ozanide:			
	toxicity in vitro	:	Test Type: Bact Result: negative	erial reverse mutation assay (AME
			-	
				omosomal aberration uman lymphocytes
			Result: positive	
			Test Type: Mou	se Lymphoma



rsion)	Revision Date: 2023/09/30		0S Number: 42508-00007	Date of last issue: 2023/04/04 Date of first issue: 2021/03/19
			Result: positive	
Geno	otoxicity in vivo	:	Test Type: Micro Species: Mouse Application Rou Result: negative	e: Oral
			Test Type: unsc Species: Rat Cell type: Liver of Application Rour Result: negative	e: Oral
	n cell mutagenicity - ssment	:	Weight of evider cell mutagen.	nce does not support classification as a gerr
oxfer	ndazole:			
	otoxicity in vitro	:	Test Type: Bact Result: negative	erial reverse mutation assay (AMES)
Geno	otoxicity in vivo	:		genicity (in vivo mammalian bone-marrow chromosomal analysis) e: Oral
II Magr	nesium stearate:			
	otoxicity in vitro	:	Result: negative	ro mammalian cell gene mutation test I on data from similar materials
			Method: OECD Result: negative	
			Test Type: Bact Result: negative	l on data from similar materials erial reverse mutation assay (AMES) I on data from similar materials
	inogenicity lassified based on ava	ailahle		
	ponents:			
	lozanide:			
Rema		:	Not classified du	e to lack of data.
oxfer	ndazole:			
Spec		:	Rat	



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Expos Symp Targe Speci Applic Expos Symp	et Organs les cation Route sure time		Oral 1 Years No adverse effect Liver Rat Oral 2 Years No adverse effect Liver	
May c	oductive toxicity damage fertility. May da	mage	e the unborn child.	
Com	oonents:			
	Iozanide: ts on fertility	:	Species: Rat, mal Application Route General Toxicity - Symptoms: Redu- and postnatal dev Result: No effects Test Type: Two-g Species: Rat Application Route General Toxicity - weight Symptoms: Redu- and postnatal dev Result: No effects Test Type: Two-g Species: Rat Application Route Early Embryonic I weight	 : Oral Parent: NOAEL: 25 - 35 mg/kg body weight ced body weight, No effects on embryofoetal relopment is on fertility eneration reproduction toxicity study :: Oral : Parent: LOAEL: 75 - 100 mg/kg body ced body weight, No effects on embryofoetal relopment is on fertility eneration reproduction toxicity study
			Species: Rat Application Route General Toxicity - weight	eneration reproduction toxicity study : Oral · Parent: LOAEL: 80 - 160 mg/kg body kicity, No teratogenic effects, No effects on
Effect ment	ts on foetal develop-	:	Test Type: Develo Species: Rat Application Route	



ersion .0	Revision Date: 2023/09/30	-	S Number: 2508-00007	Date of last issue: 2023/04/04 Date of first issue: 2021/03/19
			Result: No feto Test Type: Dev Species: Rat Application Rou General Toxicit Result: No feto	ute: Oral y Maternal: LOAEL: 100 mg/kg body weig coxicity, No teratogenic effects
			•	t
Repro sessn	oductive toxicity - As- nent	:	Suspected of d	amaging the unborn child.
	dazole:			
Effect	s on fertility		Species: Rat, n Application Rou	ıte: Oral L: 17 mg/kg body weight Testes
			Species: Rat Application Rou	L: 0.9 mg/kg body weight Liver
				e ute: Oral gle Treatment: 1 Months L: 750 mg/kg body weight Testes
Effect ment	s on foetal develop-		Species: Rat Application Rou	Toxicity: NOAEL: 10 mg/kg body weight
			Species: Rat Developmental	oryo-foetal development Toxicity: NOAEL: 10 mg/kg body weight , Embryo-foetal toxicity
II			Test Type: Emb	oryo-foetal development



rsion)	Revision Date: 2023/09/30	SDS Number: 7942508-00007	Date of last issue: 2023/04/04 Date of first issue: 2021/03/19
Repro	oductive toxicity - As-	Result: posit Test Type: E Species: Ral Application F Developmen	Route: Oral tal Toxicity: NOAEL: 108 mg/kg body weight ive, Embryo-foetal toxicity, foetal abnormalities imbryo-foetal development bbit
sessm	-	ity, based or	animal experiments., Clear evidence of advers evelopment, based on animal experiments.
Magn	esium stearate:		
Effect	s on fertility	reproduction Species: Rat Application F Method: OE0 Result: nega	Route: Ingestion CD Test Guideline 422
Effect ment	s on foetal develop-	Species: Rat Application F Result: nega	Route: Ingestion

exposu

May cause damage to organs (Central nervous system) if swallowed.

Components:

oxyclozanide:

Exposure routes	: Oral
Target Organs	: Central nervous system
Assessment	: May cause damage to organs.

STOT - repeated exposure

May cause damage to organs (Liver, Testis, Brain) through prolonged or repeated exposure.

Components:

oxyclozanide:

Target Organs Assessment		Brain, Liver May cause damage to organs through prolonged or repeated exposure.
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Expo Targe	ndazole: sure routes et Organs ssment	: Oral : Liver, Testis : May cause dan exposure.	nage to organs through prolonged or repeated
Repe	ated dose toxicity		
Com	ponents:		
Speci NOAI LOAE Applie Expo	EL EL cation Route sure time et Organs	: Rat : 9 mg/kg : 44.5 mg/kg : Oral : 3 Months : Brain, Liver, sp : Liver effects	leen, Adrenal gland
Expo	EL EL cation Route sure time et Organs	: Dog : 5 mg/kg : 25 mg/kg : Oral : 3 Months : Brain, Liver : blood effects, a	Iteration in liver enzymes
oxfer	ndazole:		
Speci NOAI Applie Expos	ies	: Rat : 11 mg/kg : Oral : 2 Weeks : Blood, Liver, Te	estis
Expo		: Rat : 3.8 mg/kg : Oral : 3 Months : Liver, Testis	
Expo		: Mouse : 750 mg/kg : Oral : 1 Months : Liver	
Expo		: Mouse : 37.5 mg/kg : Oral : 3 Months : Liver	



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	EL cation Route sure time	: Dog : 6 mg/kg : Oral : 1 Months : No significan	t adverse effects were reported
Expo		: Dog : 11 mg/kg : Oral : 2 Weeks : Lymph node:	s, thymus gland
Expo		: Dog : 13.5 mg/kg : Oral : 12 Months : Liver	
Starc	h, oxidized:		
		: Rat : 22,500 mg/k : Ingestion : 90 Days	g
Magn	esium stearate:		
Speci NOAE Applic	es EL cation Route sure time	: Rat : > 100 mg/kg : Ingestion : 90 Days : Based on da	ta from similar materials
Not cl	ration toxicity lassified based on ava ponents:	ailable information.	
	lozanide:		
	pplicable		
Expe	rience with human e	VDOSUIA	
•	oonents:	xposure	
	lozanide:		
Inges			May cause, Gastrointestinal disturbance, Central em depression



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12. ECOLOGICAL INFORMATION

Ecotoxicity		
Components:		
oxyclozanide: Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0.69 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
M-Factor (Acute aquatic tox- icity) M-Factor (Chronic aquatic toxicity)	:	1 1
oxfendazole:		
Toxicity to fish	:	LC50 (Lepomis macrochirus (Bluegill sunfish)): > 2.7 mg/l Exposure time: 96 h
		LC50 (Oncorhynchus mykiss (rainbow trout)): > 2.5 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0.059 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): > 4 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
		NOEC (Pseudokirchneriella subcapitata (green algae)): > 4 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
	:	10
icity) Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	NOEC (Daphnia magna (Water flea)): 0.023 mg/l Exposure time: 21 d Method: OECD Test Guideline 211
M-Factor (Chronic aquatic toxicity)	:	1
Magnesium stearate:		
Toxicity to fish	:	LC50 (Leuciscus idus (Golden orfe)): > 100 mg/l Exposure time: 48 h Method: DIN 38412 Remarks: Based on data from similar materials



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	ity to daphnia and other tic invertebrates	:	Exposure time: Test substance Method: Directi Remarks: Base	magna (Water flea)): > 1 mg/l 47 h e: Water Accommodated Fraction ive 67/548/EEC, Annex V, C.2. ed on data from similar materials he limit of solubility
Toxic plants	ity to algae/aquatic s	:	mg/l Exposure time: Test substance Method: OECD Remarks: Base	xirchneriella subcapitata (green algae)): > 1 72 h e: Water Accommodated Fraction 9 Test Guideline 201 ed on data from similar materials he limit of solubility
			mg/l Exposure time: Test substance Method: OECD	dokirchneriella subcapitata (green algae)): > 1 72 h e: Water Accommodated Fraction 9 Test Guideline 201 ed on data from similar materials
Toxic	ity to microorganisms	:	Exposure time: Test substance	monas putida): > 100 mg/l 16 h e: Water Accommodated Fraction ed on data from similar materials
Persi	istence and degradabil	ity		
Com	ponents:			
	lozanide: lity in water	:	Hydrolysis: 50 Method: OECD	%(156 d) 9 Test Guideline 111
oxfer	ndazole:			
Stabi	lity in water	:	Hydrolysis: < 5	%(4 d)
	nesium stearate: egradability	:	Result: Not bio	degradable ed on data from similar materials
	ccumulative potential			
	ponents:			
Partit	lozanide: ion coefficient: n- iol/water	:	log Pow: 3.99 pH: 7 Method: OECD) Test Guideline 107



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11				
oxfer	ndazole:			
	Partition coefficient: n- octanol/water		log Pow: 1.95	
Magr	nesium stearate:			
	ion coefficient: n- ol/water	:	log Pow: > 4	
Mobi	lity in soil			
Com	ponents:			
охус	lozanide:			
	bution among environ- al compartments	:		est Guideline 106
oxfer	ndazole:			
	bution among environ- al compartments	:	log Koc: 3.2	
Othe	r adverse effects			
No da	ata available			
13. DISPC	SAL CONSIDERATIO	NS		
	osal methods			
Wast	e from residues	:		f waste into sewer. ordance with local regulations.
Conta	aminated packaging	:	Empty containers	s should be taken to an approved waste han-

14. TRANSPORT INFORMATION

UNRTDG		
UN number	:	UN 3077
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (oxfendazole, oxyclozanide)
Class	:	9
Packing group	:	III
Labels	:	9
Environmentally hazardous	:	yes
IATA-DGR UN/ID No.		UN 3077
Proper shipping name	:	Environmentally hazardous substance, solid, n.o.s. (oxfendazole, oxyclozanide)
Class	:	9

dling site for recycling or disposal.

If not otherwise specified: Dispose of as unused product.



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5				
	g group	:		
Labels		:	Miscellaneous	
Packin aircraf	g instruction (cargo t)	:	956	
Packin ger air	g instruction (passen- craft)	:	956	
Ĕnviro	nmentally hazardous	:	yes	
IMDG-	Code			
UN nu		:	UN 3077	
Proper	shipping name	:	N.O.S.	ALLY HAZARDOUS SUBSTANCE, SOLID,
Class			(oxfendazole, oxy	(ciozanide)
Class		÷	9	
	g group	÷		
Labels		:	9	
EmS C		:	F-A, S-F	
Marine	e pollutant	:	yes	

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

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

Minister of Industry Regulation No. 23/M-IND/PER/4/2013 concerning the Revision of Minister of Industry Regulation No. 87/M-IND/PER/9/2009 concerning Globally Harmonized System of Classification and Labelling of Chemicals.

Regulation of the Minister of Health No. 472 of 1996 on the Safeguarding of Substances Hazardous to Health

Hazardous substances that must be registered

gistered : Not applicable

Government Regulation No. 74 of 2001 on the Management of Hazardous and Toxic Substances

Hazardous substances approved for use	:	Not applicable
Prohibited substances	:	Not applicable
Restricted substances	:	Not applicable

Regulation of the Ministry of Trade No. 7 of 2022 on Distribution and Control of Hazardous Materials

Type of hazardous materials subject to distribution and : Not applicable



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contro	ol, Annex I			
	of hazardous materials ol, Annex II	sub	ject to distribution a	and : Not applicable
The c AICS	omponents of this pro	oduo :	ct are reported in not determined	the following inventories:
DSL		:	not determined	
IECS	C	:	not determined	
16. OTHEI	R INFORMATION			
Revis	ion Date	:	2023/09/30	
Furth	er information			
Sourc	es of key data used to	:	Internal technical	data, data from raw material SDSs, OECD

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/

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

Date format	:	yyyy/mm/dd			
Full text of other abbreviations					
ACGIH ID OEL		USA. ACGIH Threshold Limit Values (TLV) Indonesia. Occupational Exposure Limits			
ACGIH / TWA ID OEL / NAB		8-hour, time-weighted average Long term exposure limit			

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



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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.

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