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## **1. PRODUCT AND COMPANY IDENTIFICATION**

aconazole / Mometasone Formulation
umber
ma Prefecture , Xicheng 810 MSD Co., Ltd.
ARD@msd.com

#### Recommended use of the chemical and restrictions on use

Recommended use	:	Veterinary product
Restrictions on use	:	Not applicable

#### 2. HAZARDS IDENTIFICATION

GHS classification of chemic	GHS classification of chemical product					
Serious eye damage/eye irri- tation	:	Category 2B				
Long-term (chronic) aquatic hazard	:	Category 2				
GHS label elements						
Hazard pictograms	:	¥				
Signal word	:	Warning				
Hazard statements	:	H320 Causes eye irritation. H411 Toxic to aquatic life with long lasting effects.				
Precautionary statements	:	<b>Prevention:</b> P264 Wash skin thoroughly after handling. P273 Avoid release to the environment.				
		Response:				



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P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/ attention.

P391 Collect spillage.

#### Disposal:

: Mixture

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

## Other hazards which do not result in classification

None known.

Substance / Mixture

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components			
Chemical name	CAS-No.	Concentration (% w/w)	ENCS No.
White mineral oil (petroleum)	8042-47-5	>= 60 - < 70	9-1700
Orbifloxacin	113617-63-3	>= 1 - < 3	-
Mometasone	83919-23-7	>= 0.1 - < 0.25	
Posaconazole	171228-49-2	>= 0.1 - < 0.25	

#### 4. FIRST AID MEASURES

General advice	:	In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	:	If inhaled, remove to fresh air. Get medical attention.
In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes.
		Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn.
If swallowed	:	Get medical attention. If swallowed, DO NOT induce vomiting.
		Get medical attention. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and	:	Causes eye irritation.



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delayed Protection of first-aiders Notes to physician		:	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). Treat symptomatically and supportively.		
5. FI	REFIG	HTING MEASURES			
	Suitabl	e extinguishing media	:	Water spray Alcohol-resistant t Carbon dioxide (C Dry chemical	
	Unsuita media	able extinguishing	:	None known.	
	Specifi fighting	c hazards during fire- I	:	Exposure to comb	pustion products may be a hazard to health.
	Hazard ucts	lous combustion prod-	:	Carbon oxides	
	Specifi ods	c extinguishing meth-	:	cumstances and t Use water spray t	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do
	Specia for firef	l protective equipment ighters	:		e, wear self-contained breathing apparatus. ective equipment.

## 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. Prevent spreading over a wide area (e.g. by containment or oil barriers). 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	Soak up with inert absorbent material. For large spills, provide dyking or other appropriate contain- ment to keep material from spreading. If dyked material can



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		Clean up rema bent. Local or nation posal of this m employed in th mine which reg Sections 13 ar	ore recovered material in appropriate container. aning materials from spill with suitable absor- nal regulations may apply to releases and dis- aterial, as well as those materials and items be cleanup of releases. You will need to deter- gulations are applicable. Ind 15 of this SDS provide information regarding releaned requirements.
7. HANDL	ING AND STORAGE		
Hand	dling		
Tech	nical measures		
Loca	I/Total ventilation		PERSONAL PROTECTION section. tilation is unavailable, use with local exhaust
	ce on safe handling	: Do not get on a Do not breathe Do not swallow Do not get in e Wash skin tho Handle in acco practice, base sessment Keep containe Take care to p environment.	eyes. roughly after handling. ordance with good industrial hygiene and safety d on the results of the workplace exposure as- r tightly closed. revent spills, waste and minimize release to the
	dance of contact ene measures	flushing syster place. When using do Wash contami The effective of engineering co appropriate de industrial hygie	ts 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.
Stora	age		
	litions for safe storage	Keep tightly clo	
Mate	rials to avoid		dance with the particular national regulations. ith the following product types: ng agents
Pack	aging material	: Unsuitable ma	terial: None known.



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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Threshold limit value and permissible exposure limits for each component in the work environment

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Concentra- tion standard / Permissible con- centration	Basis
White mineral oil (petroleum)	8042-47-5	TWA (Inhal- able particu- late matter)	5 mg/m3	ACGIH
Orbifloxacin	113617-63-3	TWA	0.2 mg/m3 (OEB 2)	Internal
Posaconazole	171228-49-2	TWA	300 µg/m3 (OEB 2)	Internal
Mometasone	83919-23-7	TWA	1 µg/m3 (OEB 4)	Internal
	Further inform	ation: Skin		
		Wipe limit	10 µg/100 cm <sup>2</sup>	Internal

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. Essentially no open handling permitted. Use closed processing systems or containment technologies. If handled in a laboratory, use a properly designed biosafety cabinet, fume hood, or other containment device if the poten- tial exists for aerosolization. If this potential does not exist, handle over lined trays or benchtops.
Personal protective equipment	

	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Combined particulates and organic vapour type
Material :	Chemical-resistant gloves
Remarks : Eye protection :	Consider double gloving. Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.
Skin and body protection :	Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, dis-



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posable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	suspension
Colour	:	white to off-white
Odour	:	odourless
Odour Threshold	:	No data available
Melting point/freezing point	:	No data available
Boiling point, initial boiling point and boiling range	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	No data available
Lower explosion limit and uppe Upper explosion limit / Up- per flammability limit		xplosion limit / flammability limit No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	No data available
Decomposition temperature	:	No data available
рН	:	No data available
Evaporation rate	:	No data available
Auto-ignition temperature	:	No data available
Viscosity Viscosity, kinematic	:	No data available
Solubility(ies) Water solubility	:	No data available
Partition coefficient: n- octanol/water	:	Not applicable
Vapour pressure	:	No data available



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	y and / or relative dens ative density		No data available	e
Der	nsity	:	No data available	e
Relativ	ve vapour density	:	No data available	e
Explos	ive properties	:	Not explosive	
Oxidizi	ing properties	:	The substance o	r mixture is not classified as oxidizing.

10. STABILITY AND REACTIVITY	

Particle characteristics Particle size

Reactivity Chemical stability Possibility of hazardous reac- tions	:	Not classified as a reactivity hazard. Stable under normal conditions. Can react with strong oxidizing agents.
Conditions to avoid Incompatible materials Hazardous decomposition products		None known. Oxidizing agents No hazardous decomposition products are known.

: Not applicable

#### **11. TOXICOLOGICAL INFORMATION**

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

## Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity	:	LD50 (Rat): > 2,000 mg/kg Remarks: No significant adverse effects were reported No mortality observed at this dose.
Acute dermal toxicity	:	LD50 (Rat): > 2,000 mg/kg Remarks: No significant adverse effects were reported

#### Components:

White mineral oil (petrole	eum):	
Acute oral toxicity	:	LD50 (Rat): > 5,00

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg	



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Acute	e inhalation toxicity	:	LC50 (Rat): > 5 n Exposure time: 4 Test atmosphere Assessment: The tion toxicity	ĥ
Acute	e dermal toxicity	:	LD50 (Rabbit): > Assessment: The toxicity	2,000 mg/kg substance or mixture has no acute derma
II Orbif	loxacin:			
Acute	e oral toxicity	:		00 mg/kg rtality observed at this dose.
			LD50 (Mouse): > Remarks: No mo	2,000 mg/kg rtality observed at this dose.
			LD50 (Dog): > 60 Symptoms: Vomi Remarks: No mo	
Acute	e inhalation toxicity	:	Remarks: No dat	a available
Acute	e dermal toxicity	:	Remarks: No dat	a available
Acute toxicity (other routes of administration)		:	LD50 (Rat): > 200 Application Route	
			LD50 (Mouse): 50 Application Route	
			LD50 (Rat): 233 Application Route	
			LD50 (Mouse): 28 Application Route	
Mom	etasone:			
Acute	e oral toxicity	:	LD50 (Rat): > 2,0	00 mg/kg
			LD50 (Mouse): >	2,000 mg/kg
Acute	e inhalation toxicity	:	LC50 (Rat): > 3.3 Exposure time: 4 Test atmosphere Remarks: No mo	h
			LC50 (Mouse): >	3.2 mg/l



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			Exposure time: 4 Test atmosphere:	
	toxicity (other routes of istration)	:	LD50 (Rat): 300 n Application Route Symptoms: Breath	: Subcutaneous
Posad	conazole:			
Acute	oral toxicity	:	LD50 (Rat): > 5,00	00 mg/kg
			LD50 (Mouse): > 3	3,000 mg/kg
Acute	dermal toxicity	:	LD50 (Rat): > 2,00	00 mg/kg
Skin d	corrosion/irritation			
Not cla	assified based on availa	ble	information.	
<u>Produ</u>				
Specie Result		:	Rabbit Mild skin irritation	
Comn	onents:			
Specie	mineral oil (petroleum	ı):	Rabbit	
Result		:	No skin irritation	
Orbifl	oxacin:			
Specie		:	Rabbit	
Metho Result	id t	:	Draize Test No skin irritation	
	etasone:			
Specie Result		:	Rabbit No skin irritation	
Posad	conazole:			
Specie Result		:	Rabbit No skin irritation	
Seriou	us eye damage/eye irri	tati	on	
	es eye irritation.			
<u>Produ</u>	ict:			
Specie Result		:	Rabbit Mild eye irritation	



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#### Components:

White mineral oil (petroleum Species Result	ו <b>):</b> : :	Rabbit No eye irritation
<b>Orbifloxacin:</b> Species Result Method	:	Rabbit Mild eye irritation Draize Test
<b>Mometasone:</b> Species Result	:	Rabbit No eye irritation
<b>Posaconazole:</b> Species Result	:	Rabbit Mild eye irritation
Respiratory or skin sensitist Skin sensitisation Not classified based on availa Respiratory sensitisation Not classified based on availa Product: Test Type Exposure routes Result	ble i ble i :	information.
<u>Components:</u> White mineral oil (petroleum Test Type Exposure routes Species Result	<b>1):</b> : : :	Buehler Test Skin contact Guinea pig negative
<b>Orbifloxacin:</b> Test Type Exposure routes Species Result		Maximisation Test Dermal Guinea pig Not a skin sensitizer.



## Orbifloxacin / Posaconazole / Mometasone Formulation

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#### Mometasone:

Test Type	: Maximisation Test
Exposure routes	: Dermal
Species	: Guinea pig
Assessment	: Does not cause skin sensitisation.
Result	: negative
Remarks	: The results of a test on guinea pigs showed this substance to
	be a weak skin sensitiser.
•	
Posaconazole:	

Test Type Exposure routes Species Result	: Magnusson-Kligman-Test
Exposure routes	: Skin contact
Species	: Guinea pig
Result	: negative

#### Germ cell mutagenicity

Not classified based on available information.

#### **Components:**

#### White mineral oil (petroleum):

Genotoxicity in vitro :	Test Type: In vitro mammalian cell gene mutation test Result: negative
Genotoxicity in vivo :	Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Application Route: Intraperitoneal injection Method: OECD Test Guideline 474 Result: negative Remarks: Based on data from similar materials
Orbifloxacin:	
Genotoxicity in vitro :	Test Type: Bacterial reverse mutation assay (AMES) Result: equivocal
	Test Type: Mouse Lymphoma Result: positive
	Test Type: Chromosomal aberration Test system: Human lymphocytes Result: positive
Genotoxicity in vivo :	Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Intraperitoneal injection Result: negative



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		Species: R Cell type: I	Liver cells n Route: Oral
	i cell mutagenicity - ssment	: Weight of cell mutage	evidence does not support classification as a gern en.
Mom	etasone:		
	toxicity in vitro	: Test Type: Result: neg	Bacterial reverse mutation assay (AMES) gative
			Chromosomal aberration m: Chinese hamster lung cells gative
			Chromosomal aberration m: Chinese hamster ovary cells sitive
		Test Type: Result: neg	Mouse Lymphoma gative
Geno	toxicity in vivo	Species: M	n Route: Oral
		Species: R	Bone marrow
		Test Type: Species: R Cell type: I Result: ne	_iver cells
	cell mutagenicity -	: Weight of cell mutage	evidence does not support classification as a gern en.
Posa	conazole:		
	toxicity in vitro	: Test Type: Result: neg	Bacterial reverse mutation assay (AMES) gative
		Test Type: Result: ne	Chromosomal aberration



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Geno	toxicity in vivo	:	Test Type: Micror Species: Mouse Cell type: Bone m Application Route	arrow
Not cl	<b>nogenicity</b> assified based on availa ponents:	able	Result: negative	
White	e mineral oil (petroleur	n):		
Speci Applic	es cation Route sure time		Rat Ingestion 24 Months negative	
Orbif	loxacin:			
Speci Applic	es cation Route sure time EL		Rat Oral 2 Years 200 mg/kg body v negative	veight
	cation Route sure time EL	: :	Mouse Oral 2 Years 200 mg/kg body v negative	veight
Mom	etasone:			
Speci Applic	es cation Route sure time		Rat Inhalation 2 Years 0.067 mg/kg body negative	veight
Speci Applic Expos Dose Resul	cation Route sure time		Mouse Inhalation 19 Months 0.160 mg/kg body negative	r weight
Speci	cation Route sure time		Rat oral (feed) 2 Years positive	



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Rema	arks	: The mechan	ism or mode of action is not relevant in humans.
	cation Route sure time It	: Mouse : Oral : 2 Years : positive : The mechan	ism or mode of action is not relevant in humans.
-	oductive toxicity lassified based on avai	lable information.	
<u>Com</u>	oonents:		
	e mineral oil (petroleu	•	
Effect	s on fertility	Species: Rat	Route: Skin contact
Effect ment	s on foetal develop-	Species: Rat	Route: Ingestion
Orbif	loxacin:		
Effect	s on fertility	Species: Rat Application F General Toxi Early Embryo weight	
Effect ment	s on foetal develop-	Species: Rat Application F Embryo-foeta Result: No te verse effects ternally toxic	Route: Oral al toxicity: LOAEL: 333 mg/kg body weight eratogenic effects, Embryotoxic effects and ad- on the offspring were detected only at high ma- doses
		Species: Rat Application F General Toxi Embryo-foeta Result: No et toxic effects	Route: Oral city Maternal: NOAEL: 20 mg/kg body weight al toxicity: NOAEL: 60 mg/kg body weight ifects on early embryonic development, Embryo- and adverse effects on the offspring were detect- gh maternally toxic doses, Reduced maternal



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Repro	oductive toxicity - As- nent	Result: Effects mations	bute: Oral al Toxicity: LOAEL: 2.5 mg/kg body weight s on postnatal development, Skeletal malfor- ce of adverse effects on development, based on
II Mom	etasone:		
Effec	ts on fertility	Fertility: NOA Symptoms: R weight	rtility oute: Subcutaneous EL: 0.015 mg/kg body weight educed embryonic survival, Reduced foetal ects on fertility, Effect on reproduction capacity
Effec ment	ts on foetal develop-	Species: Mou Application Ro Embryo-foeta	nbryo-foetal development se oute: Subcutaneous I toxicity: LOAEL: 0.06 mg/kg body weight /otoxic effects., Teratogenicity and developmen-
		Species: Rat Application Ro Embryo-foeta	nbryo-foetal development oute: Dermal I toxicity: LOAEL: 0.3 mg/kg body weight vo-foetal toxicity
		Species: Rabl Application Ro Embryo-foeta	
		Species: Rat Application Re	nbryo-foetal development oute: Subcutaneous I toxicity: LOAEL: 0.15 mg/kg body weight s on newborn
		Species: Rabl Application Ro Embryo-foeta	



rsion )	Revision Date: 2024/09/28		0S Number: 9119-00020	Date of last issue: 2024/04/06 Date of first issue: 2016/01/06
Repro sessr	oductive toxicity - As- nent	:	animal experim	of adverse effects on development, based or ents., Some evidence of adverse effects on and fertility, based on animal experiments.
Posa	conazole:			
	ts on fertility	:	Species: Rat, n General Toxicit	y - Parent: NOAEL: 180 mg/kg body weight effects on mating performance
			Species: Rat, fe General Toxicit	y - Parent: NOAEL: 45 mg/kg body weight effects on mating performance
Effec ment	ts on foetal develop-	:	Species: Rat, fe Application Rou Developmental	
			Species: Rabbi	Toxicity: LOAEL: 40 mg/kg body weight
sessr	oductive toxicity - As- nent	:	Some evidence animal experim	e of adverse effects on development, based o ents.
	<b>Γ - single exposure</b> lassified based on avail	able	information.	
	ponents:			
Mom	etasone:			
Rema	arks	:	Based on availa	able data, the classification criteria are not me
	<b>F - repeated exposure</b> lassified based on avail	able	information.	
Com	ponents:			
Mom	etasone:			
Targe	sure routes et Organs ssment	:		/mist/fume) n, Liver, Kidney, Skin nage to organs through prolonged or repeated

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Expo Targe	sure routes et Organs	:	organs, Nervou Causes damag	Bone marrow, Kidney, Liver, Reproductive us system ge to organs through prolonged or repeated
11			exposure.	
	ated dose toxicity			
	ponents:			
	e mineral oil (petrole	eum):		
			Rat 160 mg/kg Ingestion 90 Days	
	EL cation Route sure time	: : : : : : : : : : : : : : : : : : : :	Rat >= 1 mg/l inhalation (dus 4 Weeks OECD Test Gu	
Orbit	loxacin:			
Expo	EL		Rat 20 mg/kg 80 mg/kg Oral 3 Months Testis, Liver, K	ïdney, spleen
	EL	: :	Mouse 80 mg/kg 250 mg/kg Oral 3 Months	
Expo Targe	EL EL cation Route sure time et Organs otoms		Juvenile dog 50 mg/kg 250 mg/kg Oral 14 Days Heart, Bone Gastrointestina mortality obser	
Spec NOA	ies EL	:	Juvenile dog 2 mg/kg	



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Expo Targe Rema Spec NOAI Expo Spec NOAI LOAE Applie	cation Route sure time et Organs arks ies EL cation Route sure time ies EL EL cation Route sure time	<ul> <li>Dog</li> <li>37.5 mg/kg</li> <li>Oral</li> <li>30 Days</li> <li>Cat</li> <li>7.5 mg/kg</li> <li>22.5 mg/kg</li> <li>Oral</li> <li>1 Months</li> </ul>	nt adverse effects were reported
Speci NOAI LOAE Applie Expos Targe Speci LOAE	EL EL cation Route sure time et Organs ies	: Rat : 0.005 mg/kg : 0.3 mg/kg : Oral : 30 d : Lymph node : Dog : 0.5 mg/kg : Oral	g es, Liver, Adrenal gland, Skin, thymus gland
Expo Targe Spec NOAI Appli Expo	sure time et Organs ies	: 30 d : Lymph node : Rat : 0.00013 mg : inhalation (c : 90 d : Adrenal glar	es, Liver, Adrenal gland, Skin, thymus gland /l lust/mist/fume) nd, Lungs, Lymph nodes, spleen, Bone marrow, er, thymus gland
Expo Targe		: 90 d : Adrenal glar	lust/mist/fume) nd, Lungs, Lymph nodes, spleen, Bone marrow, nus gland, Liver
Spec LOAE	ies	: Rat, female : 5 mg/kg	



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Appli Expo Targe Spec LOAE	cation Route sure time et Organs ies	: Oral : 6 Months	nd, Lungs, Heart, Liver, spleen, Kidney, Ovary	
Expo	sure time et Organs	: 392 Days : Lungs, Live cord, lymph	r, Brain, small intestine, Adrenal gland, Spinal oid tissue	
Expo		: Monkey : 15 mg/kg : Oral : 1 Months : Bone marro	w, Adrenal gland, Lymph nodes, Blood	
Expo			nd, Bone marrow, Kidney, Nervous system, nus gland, Testis, lymphoid tissue	
Expo		: Monkey : 180 mg/kg : Oral : 12 Months : Blood, Gast	rointestinal tract, spleen	
Expo		: Monkey : 8 mg/kg : Intravenous : 1 Months : Cardio-vasc	cular system, Lungs, Adrenal gland, Blood	
Not c	ration toxicity lassified based on ava	ilable information.		
	ponents: etasone:			
Not a	pplicable			
-	rience with human e	xposure		
	ponents: iloxacin: stion	: Symptoms:	central nervous system effects, Gastrointestina	d



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			liver function change, anaphylaxis, Rash ay cause photosensitisation.
Mom	etasone:		
Inhala	ation	piratory tract	Illergic rhinitis, Headache, pharyngitis, upper res- infection, sinusitis, oral candidiasis, Back pain, etal pain, immune system effects, indigestion
Skin	contact	: Symptoms: D	Dermatitis, Itching
Posa	conazole:		
Inges	stion		Cough, Headache, Nausea, Vomiting, Fever, Liver n, pruritis, Diarrhoea, hypertension, neutropenia, nbalance
Furth	ner information		
Com	ponents:		
Mom	etasone:		
Rema	arks	: Dermal abso	rption possible

## 12. ECOLOGICAL INFORMATION

Ecotoxicity
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Components:

## White mineral oil (petroleum):

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	NOEC (Pseudokirchneriella subcapitata (green algae)): 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to fish (Chronic tox- icity)	:	NOEC (Oncorhynchus mykiss (rainbow trout)): 1,000 mg/l Exposure time: 28 d
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	NOEC (Daphnia magna (Water flea)): 1,000 mg/l Exposure time: 21 d



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Mometasone:		
Toxicity to fish	:	LC50 (Menidia beryllina (Silverside)): 0.11 mg/l Exposure time: 96 h Remarks: No toxicity at the limit of solubility
		LC50 (Cyprinodon variegatus (sheepshead minnow)): > 5 mg/l Exposure time: 7 d Remarks: No toxicity at the limit of solubility
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 5 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 Remarks: No toxicity at the limit of solubility
		EC50 (Americamysis): > 5 mg/l Exposure time: 96 h Method: US-EPA OPPTS 850.1035 Remarks: No toxicity at the limit of solubility
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): > 3.2 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility
Toxicity to fish (Chronic tox- icity)	:	NOEC (Pimephales promelas (fathead minnow)): 0.00014 mg/l Exposure time: 32 d Method: OECD Test Guideline 210
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	NOEC (Daphnia magna (Water flea)): 0.34 mg/l Exposure time: 21 d Method: OECD Test Guideline 211 Remarks: No toxicity at the limit of solubility
M-Factor (Chronic aquatic toxicity)	:	100
Toxicity to microorganisms	:	EC50: > 1,000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209 Remarks: No toxicity at the limit of solubility
		NOEC: 1,000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209 Remarks: No toxicity at the limit of solubility
I		

Posaconazole:



rsion )	Revision Date: 2024/09/28		0S Number: 9119-00020	Date of last issue: 2024/04/06 Date of first issue: 2016/01/06
Toxici	ty to fish	:	Exposure time: Method: OECD	nchus mykiss (rainbow trout)): > 0.95 mg/l 96 h Test Guideline 203 oxicity at the limit of solubility
	ty to daphnia and other c invertebrates	:	Exposure time:	magna (Water flea)): 0.276 mg/l 48 h Test Guideline 202
Toxici <sup>;</sup> plants	ty to algae/aquatic	:	0.509 mg/l Exposure time:	kirchneriella subcapitata (green algae)): > 72 h Test Guideline 201
			mg/l Exposure time:	kirchneriella subcapitata (green algae)): 0.04 72 h Test Guideline 201
	ctor (Acute aquatic tox-	:	1	
icity) Toxici icity)	ty to fish (Chronic tox-	:	Exposure time:	ales promelas (fathead minnow)): 0.206 mg/ 33 d Test Guideline 210
	ty to daphnia and other ic invertebrates (Chron- city)	:	Exposure time: Method: OECD	a magna (Water flea)): 0.244 mg/l 21 d Test Guideline 211 exicity at the limit of solubility
	ctor (Chronic aquatic	:	1	
toxicit <u>:</u> Toxici	y) ty to microorganisms	:	Exposure time: Test Type: Res	microorganism): > 1,000 mg/l 3 h piration inhibition Test Guideline 209
Persis	stence and degradabili	ity		
<u>Comp</u>	oonents:			
	<b>mineral oil (petroleun</b> gradability	ו <b>):</b> :	Result: Not rea Biodegradation Exposure time:	
Mome	etasone:			
Biode	gradability	:	Result: Not rea Biodegradation Exposure time:	



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11			Method: OEC	D Test Guideline 314
Stabi	lity in water	:	Hydrolysis: 50 Method: OECI	%(12 d) D Test Guideline 111
Posa	iconazole:			
Biode	egradability	:	Biodegradatior Exposure time	
Stabi	lity in water	:		alf life (DT50): > 30 d D Test Guideline 111
Bioa	ccumulative potential			
<u>Com</u>	ponents:			
Mom	etasone:			
Bioad	ccumulation	:	Bioconcentrati	mis macrochirus (Bluegill sunfish) on factor (BCF): 107.1 D Test Guideline 305
	tion coefficient: n- nol/water	:	log Pow: 4.68	
Posa	iconazole:			
Bioad	ccumulation	:	Bioconcentrati	mis macrochirus (Bluegill sunfish) on factor (BCF): 20 D Test Guideline 305
Partit octar	tion coefficient: n- nol/water	:	log Pow: 4.15	
Mobi	lity in soil			
<u>Com</u>	ponents:			
Mom	etasone:			
Distri	bution among environ- al compartments	:	log Koc: 4.02	
Posa	iconazole:			
	bution among environ- al compartments	:	log Koc: 5.52	
	rdous to the ozone lay	er		
	<b>r adverse effects</b> ata available			



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## **13. DISPOSAL CONSIDERATIONS**

Disposal methods		
Waste from residues	:	Dispose of in accordance with local regulations.
		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.

### 14. TRANSPORT INFORMATION

#### International Regulations

<b>UNRTDG</b> UN number		UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Mometasone, Posaconazole)
Class	:	9
Packing group	÷	
Labels	:	9
Environmentally hazardous	:	yes
IATA-DGR		
UN/ID No.	:	UN 3082
Proper shipping name	:	Environmentally hazardous substance, liquid, n.o.s. (Mometasone, Posaconazole)
Class	:	9
Packing group	:	III
Labels	:	Miscellaneous
Packing instruction (cargo aircraft)	:	964
Packing instruction (passen- ger aircraft)	:	964
Environmentally hazardous	:	yes
IMDG-Code		
UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
		(Mometasone, Posaconazole)
Class	:	9
Packing group	:	
Labels	:	9
EmS Code	:	F-A, S-F
Marine pollutant	:	yes

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

Not applicable for product as supplied.



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#### National Regulations

Refer to section 15 for specific national regulation.

#### 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.

**ERG Code** : 171

#### **15. REGULATORY INFORMATION**

#### **Related Regulations**

#### Fire Service Law

Not applicable to dangerous materials / designated flammables.

#### **Chemical Substance Control Law**

Not applicable for Specified Chemical Substance, Monitoring Chemical Substance and Priority Assessment Chemical Substance.

#### Industrial Safety and Health Law

#### Harmful Substances Prohibited from Manufacture

Not applicable

#### Harmful Substances Required Permission for Manufacture

Not applicable

#### Substances Prevented From Impairment of Health

Not applicable

# Circular concerning Information on Chemicals having Mutagenicity - Annex 2: Information on Existing Chemicals having Mutagenicity

Not applicable

# Circular concerning Information on Chemicals having Mutagenicity - Annex 1: Information on Notified Substances having Mutagenicity

Not applicable

#### Substances Subject to be Notified Names

Article 57-2 (Enforcement Order Table 9)

Chemical name	Concentration (%)	Remarks
Mineral oil	>=60 - <70	-

#### Substances Subject to be Indicated Names

Article 57 (Enforcement Order Article 18)

Chemical name	Remarks
Mineral oil	-



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## Skin and Eye Damage Substances for PPE Requirements (ISHL MO Art. 594-2) Not applicable

Carcinogenic Substances (Article 577-2 of the Occupational Health and Safety Regulations)

Not applicable

Ordinance on Prevention of Hazards Due to Specified Chemical Substances

Not applicable

**Ordinance on Prevention of Lead Poisoning** 

Not applicable

#### Ordinance on Prevention of Tetraalkyl Lead Poisoning

Not applicable

#### **Ordinance on Prevention of Organic Solvent Poisoning**

Not applicable

Enforcement Order of the Industrial Safety and Health Law - Attached table 1 (Dangerous Substances)

Not applicable

#### **Poisonous and Deleterious Substances Control Law**

Not applicable

Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof

Not applicable

#### **High Pressure Gas Safety Act**

Not applicable

**Explosive Control Law** 

Not applicable

#### Vessel Safety Law

Miscellaneous dangerous substances and articles (Article 2 and 3 of rules on shipping and storage of dangerous goods and its Attached Table 1)

#### **Aviation Law**

Miscellaneous dangerous substances and articles (Article 194 of The Enforcement Rules of Aviation Law and its Attached Table 1)

#### Marine Pollution and Sea Disaster Prevention etc Law

Bulk transportation :		Noxious liquid substance(Category Z)
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Pack transportation : Classified as marine pollutant

#### Narcotics and Psychotropics Control Act

Narcotic or Psychotropic Raw Material (Export / Import Permission) Not applicable Specific Narcotic or Psychotropic Raw Material (Export / Import permission) Not applicable



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# Industrial wasteThe components of this product are reported in the following inventories:<br/>AICSAICS:not determinedDSL:not determinedIECSC:not determined

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

In this SDS, if the concentration of substances subject to notification under the Industrial Safety and Health Law is indicated as a range, it includes cases where it is a trade secret.

#### 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/

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 abbreviation	ons	
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)

ACGIH / TWA : 8-hour, time-weighted average

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



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ment; 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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