according to the Globally Harmonized System



# Altrenogest (0.4%) Formulation

Ver 6.0	sion	Revision Date: 06.07.2024		S Number: 710-00023	Date of last issue: 16.05.2024 Date of first issue: 02.05.2016
1. P	RODUC	T AND COMPANY IDE	ENT	IFICATION	
	Produc	t name	:	Altrenogest (0.4%	%) Formulation
	Other n	neans of identification	:	REGUMATE OR	AL PROGESTAGEN FOR PIGS (45680)
	Manufa	acturer or supplier's d	letai	ils	
	Compa	ny	:	MSD	
	Addres	S	:	Briahnager - Off Wagholi - Pune -	Pune Nagar Road India 412 207
	Telepho	one	:	+1-908-740-4000	)
	Emerge	ency telephone number	· :	+1-908-423-6000	)
	E-mail a	address	:	EHSDATASTEW	/ARD@msd.com
	Recom	mended use of the ch	nem	ical and restriction	ons on use
		mended use tions on use	:	Veterinary produ Not applicable	ct

#### 2. HAZARDS IDENTIFICATION

#### Manufacture, Storage and Import of Hazardous Chemicals Rules 1989

#### Classification

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

GHS Classification Reproductive toxicity	:	Category 1B
Long-term (chronic) aquatic hazard	:	Category 1
GHS label elements Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	H360 May damage fertility or the unborn child. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements	:	Prevention:

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P203 Obtain, read and follow all safety instructions before use. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

#### Response:

P318 IF exposed or concerned, get medical advice. P391 Collect spillage.

#### Storage:

P405 Store locked up.

#### Disposal:

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

# Other hazards which do not result in classification

None known.

#### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture	:	Mixture
---------------------	---	---------

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Soya oil	8001-22-7	>= 90 - <= 100
altrenogest	850-52-2	>= 0.3 - < 1

#### 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	:	
·····		Get medical attention if irritation develops and persists.
If swallowed	:	If swallowed, DO NOT induce vomiting.
	•	Get medical attention.
		Rinse mouth thoroughly with water.
Most important symptoms		May damage fertility or the unborn child.
and effects, both acute and	•	May damage tertinty of the driborn ennit.
delayed Protection of first-aiders	:	First Aid responders should pay attention to self-protection,
FIOLECTION OF MISE-alders	•	
		and use the recommended personal protective equipment
		when the potential for exposure exists (see section 8).

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	Notes to	o physician	:	Treat symptomation	cally and supportively.		
5. FI	REFIGH	ITING MEASURES					
	Suitable extinguishing media Unsuitable extinguishing		:	: Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical			
	Unsuita media	ble extinguishing	:	None known.			
	Specific	c hazards during fire-	:	Exposure to comb	oustion products may be a hazard to health.		
	fighting Hazard ucts	ous combustion prod-	:	Carbon oxides			
	Specific extinguishing meth- ods Special protective equipment for firefighters		:	<ul> <li>Use extinguishing measures that are appropriate to local cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe so. Evacuate area.</li> <li>In the event of fire, wear self-contained breathing apparatuse personal protective equipment.</li> </ul>			
			:				
6. A	6. ACCIDENTAL RELEASE MEA		SUF	RES			
	tive equ	al precautions, protec- upment and emer- procedures	:		ective equipment. ing advice (see section 7) and personal pro- recommendations (see section 8).		
	Environ	mental precautions	:	Prevent spreading barriers). Retain and dispos	akage or spillage if safe to do so. g over a wide area (e.g. by containment or oil e of contaminated wash water. should be advised if significant spillages		
		s and materials for ment and cleaning up	:	For large spills, pr ment to keep mate be pumped, store Clean up remainin bent. Local or national r posal of this mate employed in the c mine which regula Sections 13 and 1	absorbent material. ovide dyking or other appropriate contain- erial from spreading. If dyked material can recovered material in appropriate container. og materials from spill with suitable absor- egulations may apply to releases and dis- rial, as well as those materials and items leanup of releases. You will need to deter- tions are applicable. 5 of this SDS provide information regarding tional requirements.		

#### 7. HANDLING AND STORAGE

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Tech	nnical measures		ing measures under EXPOSURE PERSONAL PROTECTION section.			
Loca	al/Total ventilation		If sufficient ventilation is unavailable, use with local exhaust			
Advi	ce on safe handling	Do not breath Do not swallo Avoid contact Handle in acc practice, base sessment Keep containe				
Con	ditions for safe storage	Store locked u Keep tightly c	losed.			
Mate	erials to avoid		dance with the particular national regulations. vith the following product types: ng agents			

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis		
altrenogest	850-52-2	TWA	1 µg/m3 (OEB 4)	Internal		
	Further information: Skin					
		Wipe limit	10 µg/100 cm²	Internal		

#### 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. 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 equipmer	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		
	Chemical-resistant gioves		
Remarks Eye protection	Consider double gloving. Wear safety glasses with side shields or goggles.		



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Cluin		mists or aeros Wear a facesh potential for di aerosols.	vironment or activity involves dusty conditions, ols, wear the appropriate goggles. ield or other full face protection if there is a rect contact to the face with dusts, mists, or
Skin and body protection		Additional bod being performe suits) to avoid	or laboratory coat. y garments should be used based upon the task ed (e.g., sleevelets, apron, gauntlets, disposable exposed skin surfaces. te degowning techniques to remove potentially clothing.
		<ul> <li>If exposure to chemical is likely during typical use, provide e flushing systems and safety showers close to the working place.</li> <li>When using do not eat, drink or smoke.</li> <li>Wash contaminated clothing before re-use.</li> <li>The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.</li> </ul>	

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	No data available
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	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available

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		e vapour density	:	No data available	
	Density		:	No data available	
		er solubility	:	No data available	
	octanol	n coefficient: n- /water nition temperature	:	No data available No data available	
	Viscosi		:	No data available	
		osity, kinematic ve properties	:	No data available Not explosive	
	Oxidizir	ng properties	:	The substance o	r mixture is not classified as oxidizing.
		lar weight characteristics	:	No data available	
	Particle	size	:	No data available	

#### **10. STABILITY AND REACTIVITY**

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.

#### 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	:	Acute toxicity estimate: > 5,000 mg/kg
		Method: Calculation method

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ersion 0	Revision Date: 06.07.2024	SDS Number: 657710-00023			
0					
	oonents:				
	ogest: oral toxicity	· ID50 (Rat	t): 177 mg/kg		
1 10010			g): 400 mg/kg		
	corrosion/irritation	ailable information			
	us eye damage/eye				
	assified based on ava		I.		
Respi	ratory or skin sensi	tisation			
	sensitisation assified based on ava	ailable informatior	I.		
•	ratory sensitisation assified based on ava		l.		
Germ cell mutagenicity Not classified based on available information.					
Components:					
altren	ogest:				
Genot	oxicity in vitro	: Test Type Result: ne	: Bacterial reverse mutation assay (AMES) gative		
		Test Type Result: ne	: Chromosome aberration test in vitro gative		
			: DNA damage and repair, unscheduled DNA syn- nammalian cells (in vitro) gative		
	n <b>ogenicity</b> assified based on ava	ailable informatior	I.		
Repro	oductive toxicity				
-	amage fertility or the	unborn child.			
Comp	oonents:				
altren	ogest:				
Effects	s on fertility	Species: F Applicatio Fertility: N	: Two-generation reproduction toxicity study Rat n Route: Oral OAEL: 0.016 mg/kg body weight fects on fertility, No effects on mating performance		
		Species: N	: Fertility/early embryonic development ⁄Ionkey, female n Route: Oral		

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		Fertility: NOA	EL: 0.004 mg/kg body weight
Repro sessr	oductive toxicity - As- nent		ce of adverse effects on sexual function and fertil- development, based on animal experiments
	<b>Γ - single exposure</b> lassified based on ava	ilable information.	
STO	- repeated exposure	9	
	lassified based on ava		
Com	ponents:		
altrer	nogest:		
	sure routes	: Oral	
	et Organs	: Immune syste	em, Adrenal gland
Asse	ssment	: May cause da exposure.	amage to organs through prolonged or repeated
Expo	sure routes	: Oral	
Targe	et Organs	: Pituitary glan	d
Repe	ated dose toxicity		
Com	ponents:		
Soya	oil:	: Rat	
	oil: ies	: Rat : 4,000 mg/kg	
Soya Speci NOAI Applie	<b>oil:</b> ies EL cation Route	: 4,000 mg/kg : Ingestion	
Soya Speci NOAI Applie	<b>oil:</b> ies EL	: 4,000 mg/kg	
Soya Speci NOAI Applie Expos	<b>oil:</b> ies EL cation Route	: 4,000 mg/kg : Ingestion	
Soya Speci NOAI Applie Expos	oil: ies EL cation Route sure time nogest:	: 4,000 mg/kg : Ingestion	
Soya Speci NOAI Applie Expos	oil: ies EL cation Route sure time nogest: ies	: 4,000 mg/kg : Ingestion : 90 h	
Soya Speci NOAI Applie Expos altrer Speci NOAI Applie	oil: ies EL cation Route sure time nogest: ies EL cation Route	<ul> <li>4,000 mg/kg</li> <li>Ingestion</li> <li>90 h</li> <li>Rat</li> <li>0.06 mg/kg</li> <li>Oral</li> </ul>	
Soya Speci NOAI Applie Expose altren Speci NOAI Applie Expose	oil: ies EL cation Route sure time nogest: ies EL cation Route sure time	<ul> <li>4,000 mg/kg</li> <li>Ingestion</li> <li>90 h</li> <li>Rat</li> <li>0.06 mg/kg</li> <li>Oral</li> <li>13 Weeks</li> </ul>	
Soya Speci NOAI Applie Expose altren Speci NOAI Applie Expose	oil: ies EL cation Route sure time nogest: ies EL cation Route	<ul> <li>4,000 mg/kg</li> <li>Ingestion</li> <li>90 h</li> <li>Rat</li> <li>0.06 mg/kg</li> <li>Oral</li> <li>13 Weeks</li> <li>Immune system</li> </ul>	em, male reproductive organs, female reproduc-
Soya Speci NOAI Applie Expose altren Speci NOAI Applie Expose	oil: ies EL cation Route sure time nogest: ies EL cation Route sure time et Organs	<ul> <li>4,000 mg/kg</li> <li>Ingestion</li> <li>90 h</li> <li>Rat</li> <li>0.06 mg/kg</li> <li>Oral</li> <li>13 Weeks</li> </ul>	Adrenal gland
Soya Speci NOAI Applie Expos altrer Speci NOAI Applie Expos Targe	oil: ies EL cation Route sure time nogest: ies EL cation Route sure time et Organs arks	<ul> <li>4,000 mg/kg</li> <li>Ingestion</li> <li>90 h</li> <li>Rat</li> <li>0.06 mg/kg</li> <li>Oral</li> <li>13 Weeks</li> <li>Immune syster tive organs, A</li> <li>Effects on fer</li> </ul>	Adrenal gland
Soya Speci NOAI Applie Expos altrer Speci NOAI Applie Expos Targe Rema	oil: ies EL cation Route sure time nogest: ies EL cation Route sure time et Organs arks ies	<ul> <li>4,000 mg/kg</li> <li>Ingestion</li> <li>90 h</li> <li>Rat</li> <li>0.06 mg/kg</li> <li>Oral</li> <li>13 Weeks</li> <li>Immune syster tive organs, A</li> </ul>	Adrenal gland
Soya Speci NOAI Applie Expos altrer Speci NOAI Applie Expos Targe Rema	oil: ies EL cation Route sure time nogest: ies EL cation Route sure time et Organs arks ies EL cation Route	<ul> <li>4,000 mg/kg</li> <li>Ingestion</li> <li>90 h</li> <li>Rat</li> <li>0.06 mg/kg</li> <li>Oral</li> <li>13 Weeks</li> <li>Immune systetive organs, A</li> <li>Effects on fer</li> <li>Pig</li> <li>0.004 mg/kg</li> <li>Oral</li> </ul>	Adrenal gland
Soya Speci NOAI Applie Expos altrer Speci NOAI Applie Expos Targe Rema	oil: ies EL cation Route sure time nogest: ies EL cation Route sure time et Organs arks ies EL cation Route sure time	<ul> <li>4,000 mg/kg</li> <li>Ingestion</li> <li>90 h</li> <li>Rat</li> <li>0.06 mg/kg</li> <li>Oral</li> <li>13 Weeks</li> <li>Immune systetive organs, A</li> <li>Effects on fer</li> <li>Pig</li> <li>0.004 mg/kg</li> <li>Oral</li> <li>13 Weeks</li> </ul>	Adrenal gland tility
Soya Speci NOAI Applie Expos altrer Speci NOAI Applie Expos Targe Rema	oil: ies EL cation Route sure time nogest: ies EL cation Route sure time et Organs arks ies EL cation Route sure time et Organs	<ul> <li>4,000 mg/kg</li> <li>Ingestion</li> <li>90 h</li> <li>Rat</li> <li>0.06 mg/kg</li> <li>Oral</li> <li>13 Weeks</li> <li>Immune systetive organs, A</li> <li>Effects on fer</li> <li>Pig</li> <li>0.004 mg/kg</li> <li>Oral</li> <li>13 Weeks</li> </ul>	Adrenal gland tility rctive organs, female reproductive organs
Soya Speci NOAI Applid Expos altrer Speci NOAI Applid Expos Targe Rema Speci NOAI Applid Expos Targe Rema	oil: ies EL cation Route sure time hogest: ies EL cation Route sure time et Organs arks EL cation Route sure time et Organs arks	<ul> <li>4,000 mg/kg</li> <li>Ingestion</li> <li>90 h</li> <li>Rat</li> <li>0.06 mg/kg</li> <li>Oral</li> <li>13 Weeks</li> <li>Immune systerative organs, A</li> <li>Effects on fer</li> <li>Pig</li> <li>0.004 mg/kg</li> <li>Oral</li> <li>13 Weeks</li> <li>male reprodu</li> <li>Effects on fer</li> </ul>	Adrenal gland tility rctive organs, female reproductive organs
Soya Speci NOAI Applie Expos altrer Speci NOAI Applie Expos Targe Rema Speci NOAI Applie Expos Targe Rema	oil: ies EL cation Route sure time hogest: ies EL cation Route sure time et Organs arks ies EL cation Route sure time et Organs arks ies	<ul> <li>4,000 mg/kg</li> <li>Ingestion</li> <li>90 h</li> <li>Rat</li> <li>0.06 mg/kg</li> <li>Oral</li> <li>13 Weeks</li> <li>Immune systerative organs, A</li> <li>Effects on fer</li> <li>Pig</li> <li>0.004 mg/kg</li> <li>Oral</li> <li>13 Weeks</li> <li>male reprodu</li> <li>Effects on fer</li> <li>Effects on fer</li> </ul>	Adrenal gland tility rctive organs, female reproductive organs
Soya Speci NOAI Applie Expos altrer Speci NOAI Applie Expos Targe Rema Speci NOAI Applie Expos Targe Rema	oil: ies EL cation Route sure time hogest: ies EL cation Route sure time et Organs arks ies EL cation Route sure time et Organs arks ies EL cation Route sure time et Organs arks ies EL cation Route sure time et Organs arks ies	<ul> <li>4,000 mg/kg</li> <li>Ingestion</li> <li>90 h</li> <li>Rat</li> <li>0.06 mg/kg</li> <li>Oral</li> <li>13 Weeks</li> <li>Immune systerative organs, A</li> <li>Effects on fer</li> <li>Pig</li> <li>0.004 mg/kg</li> <li>Oral</li> <li>13 Weeks</li> <li>male reprodu</li> <li>Effects on fer</li> </ul>	Adrenal gland tility rctive organs, female reproductive organs
Soya Speci NOAI Applie Expos altrer Speci NOAI Applie Expos Targe Rema Speci NOAI Applie Expos Targe Rema	oil: ies EL cation Route sure time hogest: ies EL cation Route sure time et Organs arks ies EL cation Route sure time et Organs arks ies	<ul> <li>4,000 mg/kg</li> <li>Ingestion</li> <li>90 h</li> <li>Rat</li> <li>0.06 mg/kg</li> <li>Oral</li> <li>13 Weeks</li> <li>Immune systetive organs, A</li> <li>Effects on fer</li> <li>Pig</li> <li>0.004 mg/kg</li> <li>Oral</li> <li>13 Weeks</li> <li>male reprodu</li> <li>Effects on fer</li> <li>Pig</li> <li>0.002 mg/kg</li> <li>Oral</li> <li>1 yr</li> </ul>	Adrenal gland tility rctive organs, female reproductive organs

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Rer	marks	:	Effects on fertilit	ty
LÔ/ App Exp	Species LOAEL Application Route Exposure time Remarks		Horse 220 mg/kg Oral 86 Days No significant ad	dverse effects were reported
Asj	piration toxicity			
Not	classified based on avail	able	information.	
Exp	perience with human exp	oosi	ure	
Co	mponents:			
	enogest:			
Ski	alation n contact e contact	:	Symptoms: resp Symptoms: Skir Symptoms: Eye	
			Symptoms. Lye	
12. ECC	LOGICAL INFORMATIO	IN		
Eco	otoxicity			
<u>Co</u>	mponents:			
	enogest:			
To> icity	<pre>kicity to fish (Chronic tox- /)</pre>	:	NOEC: 0.0004 µ Exposure time: 3 Species: Danio Method: OECD	
	Factor (Chronic aquatic icity)	:	100,000	
	sistence and degradabi	lity		
Bio	accumulative potential			
Co	mponents:			
So	ya oil:			
	tition coefficient: n- anol/water	:	log Pow: > 4 Remarks: Calcu	lation
altr	enogest:			
	tition coefficient: n- anol/water	:	log Pow: 3.78	





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	lity in soil			
Com	ponents:			
	nogest:			
	bution among environ- al compartments	:	log Koc: 3.3	
Othe	r adverse effects			
No da	ata available			
13. DISPC	SAL CONSIDERATION	١S		
Dispo	osal methods			
Waste	e from residues	:		of waste into sewer.
Conta	aminated packaging	:	Empty contained dling site for rec	cordance with local regulations. s should be taken to an approved waste han- ycling or disposal. specified: Dispose of as unused product.
14. TRAN	SPORT INFORMATION	l		
Interi	national Regulations			
UNR				
	umber	:	UN 3082	
Prope	er shipping name	:	N.O.S. (altrenogest)	ALLY HAZARDOUS SUBSTANCE, LIQUID,
Class		:	9	
Packi Label	ng group	:	 9	
	onmentally hazardous	÷	yes	
ΙΑΤΑ	-DGR		-	
UN/IE	) No.	:	UN 3082	
	er shipping name	:	(altrenogest)	hazardous substance, liquid, n.o.s.
Class			9	
			111	
Packi	ng group	:	III Miscellaneous	
Packi Label	ng group s ng instruction (cargo	:	III Miscellaneous 964	
Packi Label Packi aircra Packi ger ai	ng group s ng instruction (cargo ift) ng instruction (passen- ircraft)	:	Miscellaneous 964 964	
Packi Label Packi aircra Packi ger ai	ng group s ng instruction (cargo íft) ng instruction (passen-		Miscellaneous 964	
Packi Label Packi aircra Packi ger ai Envire	ng group s ng instruction (cargo ift) ng instruction (passen- ircraft) onmentally hazardous <b>G-Code</b>		Miscellaneous 964 964 yes	
Packi Label Packi aircra Packi ger ai Envire <b>IMDC</b>	ng group s ng instruction (cargo ift) ng instruction (passen- ircraft) onmentally hazardous <b>G-Code</b> umber		Miscellaneous 964 964 yes UN 3082	
Packi Label Packi aircra Packi ger ai Envire <b>IMDC</b>	ng group s ng instruction (cargo ift) ng instruction (passen- ircraft) onmentally hazardous <b>G-Code</b>		Miscellaneous 964 964 yes UN 3082 ENVIRONMEN <sup>T</sup> N.O.S.	ALLY HAZARDOUS SUBSTANCE, LIQUID
Packi Label Packi aircra Packi ger ai Envire <b>IMDC</b>	ing group s ng instruction (cargo ff) ing instruction (passen- ircraft) onmentally hazardous <b>G-Code</b> umber er shipping name		Miscellaneous 964 964 yes UN 3082 ENVIRONMEN	ALLY HAZARDOUS SUBSTANCE, LIQUID

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

#### Transport in bulk according to IMO instruments

Not applicable for product as supplied.

#### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### 15. REGULATORY INFORMATION

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

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

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

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

Revision Date	:	06.07.2024
Further information Sources of key data used to compile the Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, 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 : dd.mm.yyyy

#### Full text of other abbreviations

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

according to the Globally Harmonized System



### Altrenogest (0.4%) Formulation

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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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