

Version 8.0	Revision Date: 06.07.2024		S Number: 678-00023		sue: 16.05.2024 sue: 02.05.2016
Section	1: Identification				
Pro	oduct name	:	Altrenogest (0.4%	%) Formulation	
Oth	ner means of identification	:	REGUMATE OR	AL PROGESTA	GEN FOR PIGS (45680)
Ма	nufacturer or supplier's d	letai	ils		
	mpany	:	MSD		
Ade	dress	:	33 Whakatiki Stro Upper Hutt - Nev		g 908
Tel	ephone	:	0800 800 543		
Em	ergency telephone number	:	0800 764 766 (08 CHEMCALL)	800 POISON)	0800 243 622 (0800
E-r	nail address	:	EHSDATASTEW	/ARD@msd.con	n
Re	commended use of the ch	nem	ical and restriction	ons on use	
-	commended use strictions on use	:	Veterinary produ Not applicable	ct	

Section 2: Hazard identification

GHS Classification Reproductive toxicity	:	Category 1
Hazardous to the aquatic environment - chronic 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: P201 Obtain special instructions before use. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protec-





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tion/ face protection.

Response:

P308 + P313 IF exposed or concerned: Get medical advice/ attention. 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.

Section 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	>= 0.25 -< 1

Section 4: First-aid measures

General advice	:	vice immediately. When symptoms persist or in all cases of doubt seek medical
If inholod		advice.
If inhaled	•	If inhaled, remove to fresh air. Get medical attention.
In case of skin contact	:	
		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 and effects, both acute and delayed	:	May damage fertility or the unborn child.
Protection of first-aiders	:	First Aid responders should pay attention to self-protection,
		and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
Notes to physician	:	Treat symptomatically and supportively.



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Section 5: Fire-fighting measures

Suitable extinguishing media		Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical None known.
media Specific hazards during fire- fighting	:	Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides
Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment for firefighters Hazchem Code	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. 3Z

Section 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 containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. 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.

Section 7: Handling and storage



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Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
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 vapours or spray mist. Do not swallow. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment Keep container tightly closed. Take care to prevent spills, waste and minimize release to the environment.
Hygiene measures	:	If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. 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.
Conditions for safe storage	:	Keep tightly closed. Store in accordance with the particular national regulations.
Materials to avoid	:	Do not store with the following product types: Strong oxidizing agents

Section 8: Exposure controls/personal protection

Components with workplace control parameters

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 informa	ation: Skin		ľ
		Wipe limit	10 µg/100 cm²	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-



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			aerosolization. If this potential does not exist, ned trays or benchtops.				
Perso	onal protective equip	ment					
Resp	iratory protection	sure assessm	: If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection.				
	ter type protection		Particulates type				
Ma	aterial	: Chemical-res	istant gloves				
	emarks protection	If the work en mists or aeros Wear a faces	ble gloving. glasses with side shields or goggles. vironment or activity involves dusty conditions, sols, wear the appropriate goggles. hield or other full face protection if there is a lirect contact to the face with dusts, mists, or				
Skin a	and body protection	Additional boo task being pe posable suits	or laboratory coat. dy garments should be used based upon the rformed (e.g., sleevelets, apron, gauntlets, dis-) to avoid exposed skin surfaces. ate degowning techniques to remove potentially clothing.				

Section 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	:	No data available



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	flamma	bility limit			
	Lower explosion limit / Lower flammability limit		:	No data available)
	Vapour	pressure	:	No data available)
	Relativ	e vapour density	:	No data available)
	Relativ	e density	:	No data available)
	Density	/	:	No data available)
	Solubili Wat	ity(ies) er solubility	:	No data available)
	Partitio octanol	n coefficient: n-	:	No data available)
		nition temperature	:	No data available	
	Decom	position temperature	:	No data available	
	Viscosi Visc	ty cosity, kinematic	:	No data available)
	Explosi	ve properties	:	Not explosive	
	Oxidizi	ng properties	:	The substance of	r mixture is not classified as oxidizing.
	Molecu	lar weight	:	No data available	9
	Particle Particle	e characteristics e size	:	No data available	

Section 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.

Section 11: Toxicological information

Exposure routes	: Inhalation
	Skin contact
	Ingestion



ersion 0	Revision Date: 06.07.2024	SDS Number: 641678-00023	Date of last issue: 16.05.2024 Date of first issue: 02.05.2016			
		Eye contact				
	e toxicity					
	assified based on av	ailable information.				
Produ Acute	oral toxicity	· Acute toxicity e	stimate: > 2,000 mg/kg			
Acute		Method: Calcul				
<u>Comp</u>	oonents:					
altren	ogest:					
Acute	oral toxicity	: LD50 (Rat): 17	7 mg/kg			
		LD50 (Dog): 400 mg/kg				
Skin o	corrosion/irritation					
Not cl	assified based on av	ailable information.				
Serio	us eye damage/eye	irritation				
Not cl	assified based on av	ailable information.				
Respi	iratory or skin sens	itisation				
Skin s	sensitisation					
Not cl	assified based on av	ailable information.				
-	iratory sensitisatior					
Not cl	assified based on av	ailable information.				
Chron	nic toxicity					
	cell mutagenicity					
Not cl	assified based on av	ailable information.				
<u>Comp</u>	oonents:					
	ogest:					
Genot	toxicity in vitro	: Test Type: Bac Result: negativ	eterial reverse mutation assay (AMES) e			
		Test Type: Chr Result: negativ	omosome aberration test in vitro e			
			A damage and repair, unscheduled DNA s nalian cells (in vitro)			

Carcinogenicity

Not classified based on available information.





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Repr	oductive toxicity		
	damage fertility or the u	nborn child.	
	ponents:		
	10gest: ts on fertility	Species: Rat Application Ro Fertility: NOA	vo-generation reproduction toxicity study oute: Oral EL: 0.016 mg/kg body weight s on fertility, No effects on mating performanc
		Species: Mon Application Ro	
Repro sessr	oductive toxicity - As- nent		e of adverse effects on sexual function and f development, based on animal experiments
STO	Γ - single exposure		
Not c	lassified based on avai	lable information.	
STO	F - repeated exposure		
Not c	lassified based on avai	lable information.	
<u>Com</u>	ponents:		
altrer	nogest:		
	sure routes	: Oral	
Targe	sure routes et Organs ssment	: Immune syste	m, Adrenal gland mage to organs through prolonged or repeat
Targe Asse	et Organs ssment	: Immune syste : May cause da	· · · · · · · · · · · · · · · · · · ·
Targe Asses Expo	et Organs	Immune systeMay cause da exposure.	mage to organs through prolonged or repeat
Targe Asses Expo Targe	et Organs ssment sure routes	 Immune syste May cause da exposure. Oral 	mage to organs through prolonged or repeat
Targe Asses Expo Targe Repe	et Organs ssment sure routes et Organs	 Immune syste May cause da exposure. Oral 	mage to organs through prolonged or repeat
Targe Asses Expo Targe Repe	et Organs ssment sure routes et Organs eated dose toxicity ponents:	 Immune syste May cause da exposure. Oral 	mage to organs through prolonged or repeat
Targe Asses Expo Targe Repe <u>Com</u> Soya Spec	et Organs ssment sure routes et Organs eated dose toxicity ponents: oil: ies	 Immune syste May cause da exposure. Oral Pituitary glance Rat 	mage to organs through prolonged or repeat
Targe Asses Expo Targe Repe Com Soya Spec NOAI	et Organs ssment sure routes et Organs eated dose toxicity ponents: oil: ies EL	 Immune syste May cause da exposure. Oral Pituitary gland Rat 4,000 mg/kg 	mage to organs through prolonged or repeat
Targe Asses Expo Targe Repe Com Soya Spec NOAI Applie	et Organs ssment sure routes et Organs eated dose toxicity ponents: oil: ies	 Immune syste May cause da exposure. Oral Pituitary glance Rat 	mage to organs through prolonged or repeat
Targe Asses Expo Targe Repe Com Soya Spec NOAI Applie Expo	et Organs ssment sure routes et Organs eated dose toxicity ponents: oil: ies EL cation Route	 Immune syste May cause da exposure. Oral Pituitary gland Rat 4,000 mg/kg Ingestion 	mage to organs through prolonged or repeat
Targe Asses Expo Targe Repe Com Soya Spec NOAI Applie Expo	et Organs ssment sure routes et Organs eated dose toxicity ponents: oil: ies EL cation Route sure time	 Immune syste May cause da exposure. Oral Pituitary gland Rat 4,000 mg/kg Ingestion 	mage to organs through prolonged or repeat
Targe Asses Expo Targe Repe <u>Com</u> Soya Spec NOAI Applie Expo altrer Spec NOAI	et Organs ssment sure routes et Organs eated dose toxicity ponents: oil: ies EL cation Route sure time nogest: ies EL	 Immune syste May cause da exposure. Oral Pituitary gland Rat 4,000 mg/kg Ingestion 90 h Rat 0.06 mg/kg 	mage to organs through prolonged or repeat
Targe Asses Expo Targe Repe <u>Com</u> Soya Spec NOAI Applie Expo altrer Spec NOAI	et Organs ssment sure routes et Organs eated dose toxicity ponents: oil: ies EL cation Route sure time nogest: ies	 Immune syste May cause da exposure. Oral Pituitary gland Rat 4,000 mg/kg Ingestion 90 h Rat 	mage to organs through prolonged or repeat



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Targe Rema Spec NOAI Applie Expo	ies EL cation Route sure time et Organs	tive organs, A Effects on fer Pig 0.004 mg/kg Oral 13 Weeks	tility ctive organs, female reproductive organs
Expo Targe Rema Spec LOAE Applie	EL cation Route sure time et Organs arks arks ies EL cation Route sure time	Effects on fer Horse 220 mg/kg Oral 86 Days	ctive organs, Pituitary gland tility adverse effects were reported
Not c Expe	ration toxicity lassified based on avail rience with human ex ponents:		
altrei Inhala Skin Eye o	nogest:	: Symptoms: S : Symptoms: E	
	oxicity ponents:		
altrei	nogest: hogest: hity to fish (Chronic tox-	Exposure tim	o rerio (zebra fish)): 0.0004 μg/l e: 32 d D Test Guideline 210





Version 3.0	Revision Date: 06.07.2024		DS Number: 1678-00023	Date of last issue: 16.05.2024 Date of first issue: 02.05.2016
No da	istence and degradabi ata available ccumulative potential	lity		
Com	ponents:			
	oil: ion coefficient: n- ol/water	:	log Pow: > 4 Remarks: Calcula	ation
Partit	n ogest: ion coefficient: n- iol/water	:	log Pow: 3.78	
Mobi	lity in soil			
Com	ponents:			
Distri	nogest: bution among environ- al compartments	:	log Koc: 3.3	
	r adverse effects ata available			

Section 13: Disposal considerations

Disposal methods		
Waste from residues	:	Do not dispose of waste into sewer.
		Dispose of in accordance with local regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste han- dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

Section 14: Transport information

International Regulations

UNRTDG UN number Proper shipping name	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (altrenogest)
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. (altrenogest)



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Class	S	:	9	
Pack	ing group	:	III	
Labe		:	Miscellaneous	
	Packing instruction (cargo aircraft)		964	
	Packing instruction (passen- ger aircraft) Environmentally hazardous		964	
Ĕnvii			yes	
IMD	G-Code			
	number	:	UN 3082	
Prop	er shipping name	:	ENVIRONMENTA N.O.S. (altrenogest)	ALLY HAZARDOUS SUBSTANCE, LIQUID,
Class	S	:	9	
Pack	ing group	:	III	
Labe		:	9	
	Code	:	F-A, S-F	
Marii	ne pollutant	:	yes	

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

Not applicable for product as supplied.

National Regulations

NZS 5433

UN number	: UN 3082	
Proper shipping name	 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (altrenogest) 	,
Class	: 9	
Packing group	: .	
Labels	: 9	
Hazchem Code	: 3Z	
Marine pollutant	: no	

Special precautions for user

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

Section 15: Regulatory information

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

HSNO Approval Number

HSR100759 Veterinary Medicines Non dispersive Open System Application Group Standard

Tolerable Exposure Limits (TEL) Not applicable



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Environmental Exposure Limits (EEL)

Not applicable

HSW Controls

Certified handler certificate not required.

Tracking hazardous substance not required.

Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

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

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

Section 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 Agen- 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 : 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 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

SAFETY DATA SHEET



Altrenogest (0.4%) Formulation

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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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