

Proligestone Formulation

Precautionary Statements

Version 3.8	Revision Date: 28.09.2024		0S Number: 68515-00014	Date of last issue: 30.11.2023 Date of first issue: 07.08.2018	
SECTION	I 1. IDENTIFICATION				
Prod	uct identifier	:	Proligestone Fo	rmulation	
Othe	r means of identification	:	Delvosteron (A0	04103)	
Manu	ufacturer or supplier's	deta	ils		
Com	pany	:	MSD		
Addro	ess	:	Rua Coronel Be Cruzeiro - Sao F	nto Soares, 530 Paulo - Brazil CEP 12730-340	
Telep	ohone	:	908-740-4000		
Eme	rgency telephone	:	1-908-423-6000		
E-ma	E-mail address		: EHSDATASTEWARD@msd.com		
Reco	ommended use of the c	hem	nical and restricti	ons on use	
	Recommended use Restrictions on use		Pharmaceutical Not applicable		
GHS	I 2. HAZARDS IDENTIFI	-	-	3R 14725 Standard	
		•			
Repr	oductive toxicity	:	Category 1B		
GHS	GHS label elements in acco		nce with ABNT N	BR 14725 Standard	
Haza	ard pictograms	:			
Signa	al Word	:	Danger		
Haza	ard Statements	:		d of causing cancer.	

Prevention:
 P201 Obtain special instructions before use.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 Response:

H360D May damage the unborn child.

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



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		Storage:					
	P405 Store locked up.						
Other hazards which do not result in classification							
None	None known.						
SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS							

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Classification	Concentration (% w/w)
Proligestone	23873-85-0	Acute Tox. (Oral), 4 Carc., 2 Repr., 1B STOT RE, (Adrenal gland, Ovary, Uterus (including cervix)), 2	>= 5 -< 10

SECTION 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.
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	:	Flush eyes with water as a precaution. 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	:	Suspected of causing cancer. May damage 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.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray
		Alcohol-resistant foam
		Carbon dioxide (CO2)
		Dry chemical



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Unsu medi	itable extinguishing a	:	None known.			
Spec fightii	ific hazards during fire ng	:	Exposure to com	bustion products may be a hazard to health.		
Haza ucts	rdous combustion prod-	:	Carbon oxides Metal oxides			
Specific extinguishing meth- ods		: Use extinguishing measures that are appropriate to cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is so. Evacuate area.				
	Special protective equipment for fire-fighters		In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.			
ECTION	6. ACCIDENTAL RELE	AS	E MEASURES			
tive e	onal precautions, protec- equipment and emer- y procedures	:	Follow safe hand	ntective equipment. Iling advice (see section 7) and personal nent recommendations (see section 8).		
Envir	Environmental precautions		Prevent spreadin oil barriers). Retain and dispo	eakage or spillage if safe to do so. Ig over a wide area (e.g., by containment or se of contaminated wash water. should be advised if significant spillages		
Methods and materials for containment and cleaning up		:	For large spills, p containment to k can be pumped, container. Clean up remain absorbent. Local or national disposal of this n employed in the determine which	rt absorbent material. provide diking or other appropriate eep material from spreading. If diked materia store recovered material in appropriate ing materials from spill with suitable regulations may apply to releases and naterial, as well as those materials and items cleanup of releases. You will need to regulations are applicable. 15 of this SDS provide information regarding		

SECTION 7. HANDLING AND STORAGE

Technical measures	:	See Engineering measures under EXPOSURE	
		CONTROLS/PERSONAL PROTECTION section.	



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Local/Total ventilation		: If sufficient ver ventilation.	: If sufficient ventilation is unavailable, use with local exhaust						
Advi	ce on safe handling	 Do not get on skin or clothing. Do not breathe mist or vapors. 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 assessment Keep container tightly closed. Take care to prevent spills, waste and minimize release to the 							
Hygiene measures		flushing syster place. When using do Wash contami The effective of engineering co appropriate de industrial hygie	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, ogowning and decontamination procedures, ene monitoring, medical surveillance and the strative controls.						
Con	ditions for safe storage	: Keep in prope Store locked u Keep tightly cl	rly labeled containers. p.						
Mate	erials to avoid	: Do not store w Strong oxidizir	ith the following product types: ng agents ubstances and mixtures						

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Proligestone	23873-85-0	TWA	5 ug/m3 (OEB 4)	Internal
		Wipe limit	50 ug/100cm2	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
potential exists for aerosolization. If this potential does not
exist, handle over lined trays or benchtops.

Personal protective equipment



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Respiratory protection Filter type Hand protection		exposure ass	cal exhaust ventilation is not available or essment demonstrates exposures outside the d guidelines, use respiratory protection. /pe				
Material		: Chemical-resi	: Chemical-resistant gloves				
Remarks Eye protection Skin and body protection		If the work en mists or aeros Wear a faces potential for d aerosols. : Work uniform	lasses 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 irect contact to the face with dusts, mists, or or laboratory coat.				
		task being pe disposable su	dy garments should be used based upon the rformed (e.g., sleevelets, apron, gauntlets, its) to avoid exposed skin surfaces. ate degowning techniques to remove potentially clothing.				

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	Aqueous solution
Color	:	white to off-white
Odor	:	No data available
Odor 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
Vapor pressure	:	No data available



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	Relative vapor density Relative density Density Solubility(ies) Water solubility Solubility in other solvents Partition coefficient: n- octanol/water Autoignition temperature		:	No data available	
			:	No data available)
			:	1,035 g/cm ³	
			:	soluble	
			:	No data available	•
			:	Not applicable	
			:	No data available)
	Decomposition temperature		:	No data available	9
	Viscosity Viscosity, kinematic		:	No data available	
	Explosive properties		:	Not explosive	
		ng properties	:	The substance of	r mixture is not classified as oxidizing.
	Particle Particle	characteristics size	:	Not applicable	

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

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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<u>Comp</u>	onents:			
	estone: oral toxicity	:	LD50 (Mouse): 1	.000 mg/kg
••••••	corrosion/irritation assified based on ava	ilable i	information.	
	u s eye damage/eye i assified based on ava			
Respi	ratory or skin sensi	tizatio	n	
	sensitization assified based on ava	ilable i	information.	
-	ratory sensitization assified based on ava	ilable	information.	
	cell mutagenicity assified based on ava	ilable i	information.	
	n ogenicity ected of causing canc	er.		
<u>Comp</u>	onents:			
-	lestone: nogenicity - Assess-	:	Limited evidence	e of carcinogenicity in animal studies
	ductive toxicity amage the unborn ch	ild.		
<u>Comp</u>	onents:			
•	jestone: s on fertility	:		e: Subcutaneous : 10 mg/kg body weight
				e: Subcutaneous 10 mg/kg body weight
Repro	ductive toxicity - As-	:	May damage the	unborn child. Suspected of damaging

STOT-single exposure

Not classified based on available information.



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No	OT-repeated exposure t classified based on availa mponents:	ble	information.	
	bligestone:			
Tai	rget Organs sessment	:		vary, Uterus (including cervix) ge to organs through prolonged or repeated
Re	peated dose toxicity			
<u>Co</u>	mponents:			
Pro	oligestone:			
Sp LO Ap Ex	ecies AEL plication Route posure time rget Organs	:	Dog 25 mg/kg Subcutaneous 90 d Adrenal gland, U	terus (including cervix), Ovary
LÖ Apj Exj	ecies AEL plication Route posure time rget Organs	:	Rat 50 mg/kg Subcutaneous 90 d Adrenal gland, U	terus (including cervix), Ovary
As	piration toxicity			
	t classified based on availa	ble	information.	
Ex	perience with human exp	osi	ire	
<u>Co</u>	mponents:			
Pro	oligestone:			
	neral Information alation	:	Symptoms: Jaun	ause cancer based on animal data. dice, Headache, Dizziness, menstrual irregu- in libido, bleeding, breast changes
SECTIC	ON 12. ECOLOGICAL INFO	OR	ATION	
Ec	otoxicity			
<u>Co</u>	mponents:			
Pro	oligestone:			
To	xicity to fish	:	Exposure time: 9 Method: OECD T	es promelas (fathead minnow)): > 0,5 mg/l 6 h ⁻ est Guideline 203 icity at the limit of solubility.
	xicity to daphnia and other uatic invertebrates	:	Exposure time: 4 Method: OECD T	nagna (Water flea)): > 0,5 mg/l 8 h ēst Guideline 202 icity at the limit of solubility.



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Toxic plants	ity to algae/aquatic	:	mg/l Exposure time: 7 Method: OECD T	rchneriella subcapitata (green algae)): > 1 2 h ⁻ est Guideline 201 icity at the limit of solubility.
			Exposure time: 7 Method: OECD T	irchneriella subcapitata (green algae)): 1 mg/l 2 h ⁻ est Guideline 201 icity at the limit of solubility.
Toxic	ity to microorganisms	:		ĥ
				h
Persi	stence and degradabi	lity		
Com	oonents:			
Prolig	gestone:			
Biode	gradability	:	Result: Not readi Biodegradation: Exposure time: 2 Method: OECD T	0%
	ccumulative potential ata available			
	l ity in soil ata available			
Other	adverse effects			

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 handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.



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SECTIO	N 14. TRANSPORT INF	ORMATION	
Inte	rnational Regulations		
UNF	RTDG regulated as a dangerou	is good	
	A-DGR regulated as a dangerou	is good	
	G-Code regulated as a dangerou	is good	
	nsport in bulk accordin applicable for product as	-	POL 73/78 and the IBC Code
Don	nestic regulation		
AN1 Not	T regulated as a dangerou	is good	
-	cial precautions for us applicable	er	
SECTIO	N 15. REGULATORY IN	FORMATION	
Safe mix		mental regulations/le	gislation specific for the substance or
	onal List of Carcinogenic ACH)	c Agents for Humans -	: Not applicable
Braz Polie	cil. List of chemicals cont	trolled by the Federal	: Not applicable
The AIC	•	duct are reported in : not determined	the following inventories:
DSL		: not determined	
IEC	SC	: not determined	

SECTION 16. OTHER INFORMATION

Revision Date	: 28.09.2024
Date format	: dd.mm.yyyy

Further information

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

Full text of other abbreviations



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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 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 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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