

Version 5.5	Revision Date: 09.04.2021	SDS Number: 16552-00019	Date of last issue: 10.10.2020 Date of first issue: 29.09.2014		
SECTION	1. PRODUCT AND CO	OMPANY IDENTIFIC	ATION		
Produ	uct name	: Etonogestrel F	Formulation (Implanon)		
Manu	ufacturer or supplier's	details			
Addre Telep Emer	pany name of supplier ess phone rgency telephone iil address	: Avenida 16 de Xaltocan - Xoo : 52 55 5728444 : 215-631-6999	<ul> <li>Organon &amp; Co.</li> <li>Avenida 16 de Septiembre No. 301 Xaltocan - Xochimilco Mexico 16090</li> <li>52 55 57284444</li> <li>215-631-6999</li> <li>EHSSTEWARD@organon.com</li> </ul>		
	ommended use of the		-		
	mmended use	: Pharmaceutica			
SECTION	2. HAZARDS IDENTI	FICATION			
	Classification				
Acute	e toxicity (Oral)	: Category 5			
Repro	oductive toxicity	: Category 1A			
	label elements rd pictograms				
Signa	al Word	: Danger			
Haza	rd Statements	: H303 May be H360F May da	harmful if swallowed. amage fertility.		
Preca	autionary Statements	P202 Do not h and understoo P280 Wear pro face protection <b>Response:</b> P312 Call a Po unwell. <b>Storage:</b> P405 Store loc <b>Disposal:</b>	otective gloves/ protective clothing/ eye protection n. OISON CENTER or doctor/ physician if you feel		



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#### Other hazards

Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin. May form explosive dust-air mixture during processing, handling or other means.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
(17α)-13-Ethyl-17-hydroxy-11-methylene- 18,19-dinorpregn-4-en-20-yn-3-one	54048-10-1	>= 50 -< 70

#### **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	:	If in eyes, rinse well with water. 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 be harmful if swallowed. May damage fertility. Contact with dust can cause mechanical irritation or drying of
Protection of first-aiders	:	the skin. Dust contact with the eyes can lead to mechanical irritation. 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
Unsuitable extinguishing media	:	None known.
Specific hazards during fire fighting	:	Exposure to combustion products may be a hazard to health.



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	Hazard ucts	ous combustion prod-	:	Carbon oxides	
	Specific ods	e extinguishing meth-	:	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 for fire-	protective equipment fighters	:		e, wear self-contained breathing apparatus. ective equipment.
SEC	CTION 6	ACCIDENTAL RELE	ASI	E MEASURES	
	tive equ	al precautions, protec- upment and emer- procedures	:		ective equipment. ing advice (see section 7) and personal ent recommendations (see section 8).
	Retain and dispose		akage or spillage if safe to do so. e of contaminated wash water. should be advised if significant spillages		
	Methods and materials for containment and cleaning up		:	container for dispo Avoid dispersal of with compressed a Dust deposits sho surfaces, as these released into the a Local or national r disposal of this ma employed in the c determine which r Sections 13 and 1	dust in the air (i.e., clearing dust surfaces

### SECTION 7. HANDLING AND STORAGE

Technical measures	:	Static electricity may accumulate and ignite suspended dust causing an explosion. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
Local/Total ventilation	:	If sufficient ventilation is unavailable, use with local exhaust ventilation.
Advice on safe handling	:	Do not get on skin or clothing. Do not breathe dust. Do not breathe 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



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		Keep container of Keep away from Take precaution Take care to pre environment.	eneration and accumulation. closed when not in use. heat and sources of ignition. ary measures against static discharges. vent spills, waste and minimize release to the
Hygie	ene measures	flushing systems place. When using do r Wash contamina The effective op engineering cont appropriate dego	nemical is likely during typical use, provide eye as and safety showers close to the working not eat, drink or smoke. ated clothing before re-use. eration of a facility should include review of trols, proper personal protective equipment, bwning and decontamination procedures, e monitoring, medical surveillance and the ative controls.
Cond	itions for safe storage	Store locked up. Keep tightly clos	
Mate	rials to avoid		n the following product types: agents

### 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
(17α)-13-Ethyl-17-hydroxy-11- methylene-18,19-dinorpregn-4- en-20-yn-3-one	54048-10-1	TWA	0.05 μg/m3 (OEB 5)	Internal
		Wipe limit	0.5 µg/100 cm <sup>2</sup>	Internal

**Engineering measures** Use closed processing systems or containment technologies : to control at source (e.g., glove boxes/isolators) and to prevent leakage of compounds into the workplace. All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. No open handling permitted. Totally enclosed processes and materials transport systems are required. Operations require the use of appropriate containment technology designed to prevent leakage of compounds into the workplace. Personal protective equipment

Respiratory protection If adequate local exhaust ventilation is not available or :



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Filter type Hand protection		<ul><li>exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.</li><li>Particulates type</li></ul>		
Μ	aterial	: Chemical-resistan	t gloves	
	emarks protection	If the work enviror mists or aerosols, Wear a faceshield	ploving. es with side shields or goggles. Inment or activity involves dusty conditions, wear the appropriate goggles. or other full face protection if there is a contact to the face with dusts, mists, or	
Skin	and body protection	: Work uniform or la Additional body ga task being perform disposable suits) t	arments should be used based upon the ned (e.g., sleevelets, apron, gauntlets, to avoid exposed skin surfaces. egowning techniques to remove potentially	

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Solid form
Color	:	No data available
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)	:	May form explosive dust-air mixture during processing, handling or other means.
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

### SAFETY DATA SHEET



# **Etonogestrel Formulation (Implanon)**

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Relative vapor density	: No data available	
Relative density	: No data available	
Density	: 1 g/cm <sup>3</sup>	
Solubility(ies) Water solubility	: No data available	
Partition coefficient: n-	: No data available	
octanol/water Autoignition temperature	: No data available	
Decomposition temperature	: No data available	
Viscosity Viscosity, dynamic	: No data available	
Viscosity, kinematic	: No data available	
Explosive properties	: Not explosive	
Oxidizing properties Molecular weight	: The substance or mixter: No data available	ure is not classified as oxidizing.
Particle size	: No data available	

### SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reac- tions	<ul> <li>Not classified as a reactivity hazard.</li> <li>Stable under normal conditions.</li> <li>May form explosive dust-air mixture during processin handling or other means.</li> <li>Can react with strong oxidizing agents.</li> </ul>	ıg,
Conditions to avoid	Heat, flames and sparks. Avoid dust formation.	
Incompatible materials Hazardous decomposition products	<ul> <li>Oxidizing agents</li> <li>No hazardous decomposition products are known.</li> </ul>	

### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Skin contact Ingestion Eye contact

### Acute toxicity

May be harmful if swallowed.



Product:       Acute oral toxicity       Acute toxicity estimate: 4,744 mg/kg. Method: Calculation method         Components:       (170)-13-Ethyl-17-hydroxy-11-methylene-18,19-dinorpregn-4-en-20-yn-3-one:         Acute oral toxicity       i       LD50 (Rat): > 2,000 mg/kg         Acute oral toxicity       i       LD50 (Mouse): > 2,000 mg/kg         Skin corrosion/irritation       Not classified based on available information.         Components:       (170)-13-Ethyl-17-hydroxy-11-methylene-18,19-dinorpregn-4-en-20-yn-3-one:         Species       i       Mouse         Result       i       No skin irritation         Species       i       Mouse         Result       i       No skin irritation         Species       i       Suinea pig         Result       i       No skin irritation         Strin sensitization       Skin sensitization         Skin sensitization       Not classified based on available information.         Respiratory sensitization       Not classified based on available information.         Schopenets:       Est Type: reverse mutation assay Test system: SalmedIa typhimurium Result: negative         Genotoxicity in vitro       Test Type: in vitro test Test system: SalmedIa typhimurium Result: negative         Genotoxicity in vitro       Test Type: in vitro test Test system: Salmea	ersion 5	Revision Date: 09.04.2021	SDS Number: 16552-00019	Date of last issue: 10.10.2020 Date of first issue: 29.09.2014
Acute oral toxicity <ul> <li>Acute oral toxicity</li> <li>Acute toxicity estimate: 4,744 mg/kg Method: Calculation method</li> </ul> Components:         (170)-13-Ethyl-17-hydroxy-11-methylene-18,19-dinorpregn-4-en-20-yn-3-one: Acute oral toxicity              LD50 (Rat): > 2,000 mg/kg LD50 (Mouse): > 2,000 mg/kg         Skin corrosion/irritation              Not classified based on available information. Components:              (170)-13-Ethyl-17-hydroxy-11-methylene-18,19-dinorpregn-4-en-20-yn-3-one: Species              Mouse Result         Result              No skin irritation         Species              Cuinea pig Result         Result              No skin irritation         Serious eye damage/eye irritation              Not classified based on available information. Respiratory or skin sensitization         Skin sensitization              Not classified based on available information. Respiratory sensitization Not classified based on available information. Germ cell mutagenicity Not classified based on available information. Components: (170)-13-Ethyl-17-hydroxy-11-methylene-18,19-dinorpregn-4-en-20-yn-3-one: Genotoxicity in vitro              Test Type: reverse mutation assay Test Type: reverse mutation assay Test Type: in vitro test Test type: in vitro test Test type: in vitro test Species: Mouse	Produ	uct:		
(17a)-13-Ethyl-17-hydroxy-11-methylene-18,19-dinorpregn-4-en-20-yn-3-one:         Acute oral toxicity       :         LD50 (Mouse): > 2,000 mg/kg         LD50 (Mouse): > 2,000 mg/kg         Skin corrosion/irritation         Not classified based on available information.         Components:         (17a)-13-Ethyl-17-hydroxy-11-methylene-18,19-dinorpregn-4-en-20-yn-3-one:         Species       :         Mouse         Result       :         Result       :         No skin irritation         Species       :         Guinea pig         Result       :         No skin irritation         Serious eye damage/eye irritation         Not classified based on available information.         Respiratory or skin sensitization         Skin sensitization         Not classified based on available information.         Gem cell mutagenicity         Not classified based on available information.         Components:         (17a)-13-Ethyl-17-hydroxy-11-methylene-18,19-dinorpregn-4-en-20-yn-3-one:         Genotoxicity in vitro       : Test Type: reverse mutation assay Test system: Salmonella typhimurium Result: negative         Genotoxicity in vitro       : Test Type: In vitro test Test system: Schimose hamster ovary cells Result: negative				
Acute oral toxicity       : LD50 (Rat): > 2,000 mg/kg         LD50 (Mouse): > 2,000 mg/kg         Skin corrosion/irritation         Not classified based on available information.         Components:         (170)-13-Ethyl-17-hydroxy-11-methylene-18,19-dinorpregn-4-en-20-yn-3-one:         Species       : Mouse         Result       : No skin irritation         Species       : Guinea pig         Result       : No skin irritation         Serious eye damage/eye irritation         Not classified based on available information.         Respiratory or skin sensitization         Skin sensitization         Not classified based on available information.         Respiratory respiratory or skin sensitization         Not classified based on available information.         Gem cell mutagenicity         Not classified based on available information.         Gemotoxicity in vitro         : Test Type: reverse mutation assay         : Test Type: in vitro test         : Test system: Salmonella typhimurium         : Result: negative         : Genotoxicity in vitro       : Test Type: In vitro test         : Test Type: In vitro test         : Test Type: In vitro micronucleus test         : Species: Mouse         : Application Route: Oral	<u>Com</u> r	oonents:		
LD50 (Mouse): > 2,000 mg/kg         Skin corrosion/irritation         Not classified based on available information.         Components:         (17a)-13-Ethyl-17-hydroxy-11-methylene-18,19-dinorpregn-4-en-20-yn-3-one:         Species       :         Mouse         Result       :         Species       :         Guinea pig         Result       :         Species       :         Guinea pig         Result       :         No skin irritation         Serious eye damage/eye irritation         Not classified based on available information.         Respiratory or skin sensitization         Not classified based on available information.         Respiratory sensitization         Not classified based on available information.         Gemeteil mutagenicity         Not classified based on available information.         Gemotoxicity in vitro       :         Test Type: reverse mutation assay         Test Type: reverse mutation assay         Test Type: in vitro test         Test Type: in vitro test         Test Type: in vitro meteil         Result: negative         Genotoxicity in vivo       :         Test Type: In vivo micronucleus test<	(17α)·	-13-Ethyl-17-hydroxy	-11-methylene-18,19	-dinorpregn-4-en-20-yn-3-one:
Skin corrosion/irritation         Not classified based on available information.         Components:         (17q)-13-Ethyl-17-hydroxy-11-methylene-18,19-dinorpregn-4-en-20-yn-3-one:         Species       :         Mouse         Result       :         No skin irritation         Species       :         Guinea pig         Result       :         Serious eye damage/eye irritation         Not classified based on available information.         Respiratory or skin sensitization         Skin sensitization         Not classified based on available information.         Respiratory sensitization         Not classified based on available information.         Germ cell mutagenicity         Not classified based on available information.         Components:         (17a)-13-Ethyl-17-hydroxy-11-methylene-18,19-dinorpregn-4-en-20-yn-3-one:         Genotoxicity in vitro       :         Test Type: reverse mutation assay         Test Type: in vitro test         Result: negative         Centoxicity in vitro       :         Test Type: In vitro test         Result: negative         Genotoxicity in vivo       :         Test Type: In vitro test	Acute	oral toxicity	: LD50 (Rat): > 2	2,000 mg/kg
Not classified based on available information.         Components:         (17a)-13-Ethyl-17-hydroxy-11-methylene-18,19-dinorpregn-4-en-20-yn-3-one:         Species       :         Mouse         Result       :         No skin irritation         Species       :         Guinea pig         Result       :         Not classified based on available information.         Respiratory or skin sensitization         Skin sensitization         Not classified based on available information.         Respiratory or skin sensitization         Not classified based on available information.         Respiratory sensitization         Not classified based on available information.         Germ cell mutagenicity         Not classified based on available information.         Germ cell mutagenicity         Not classified based on available information.         Components:         (17a)-13-Ethyl-17-hydroxy-11-methylene-18,19-dinorpregn-4-en-20-yn-3-one:         Genotoxicity in vitro       :         Test Type: reverse mutation assay         Test Type: in vitro test         Test system: Chinese hamster ovary cells         Result: negative         Genotoxicity in vivo       :         Test Ty			LD50 (Mouse):	> 2,000 mg/kg
(17a)-13-Ehtyl-17-hydroxy-11-methylene-18,19-dinorpregn-4-en-20-yn-3-one:         Species       :       Mouse         Result       :       No skin irritation         Species       :       Guinea pig         Result       :       No skin irritation         Species       :       Guinea pig         Result       :       No skin irritation         Serious eye damage/eye irritation       Not classified based on available information.         Respiratory or skin sensitization       Skin sensitization         Skin sensitization       Not classified based on available information.         Respiratory sensitization       Not classified based on available information.         Respiratory sensitization       Not classified based on available information.         Germ cell mutagenicity       Not classified based on available information.         Germ cell mutagenicity       Test Type: reverse mutation assay Test system: Salmonella typhimurium Result: negative         Genotoxicity in vitro       :       Test Type: in vitro test Test system: Chinese hamster ovary cells Result: negative         Genotoxicity in vivo       :       Test Type: In vivo micronucleus test Species: Mouse Application Route: Oral Result: negative         Genotoxicity in vivo       :       Test Type: roral result: negative         Germ cell mutagenicity -	-		ilable information.	
Species       : Mouse         Result       : No skin irritation         Species       : Guinea pig         Result       : No skin irritation         Serious eye damage/eye irritation         Not classified based on available information.         Respiratory or skin sensitization         Skin sensitization         Not classified based on available information.         Respiratory sensitization         Not classified based on available information.         Germ cell mutagenicity         Not classified based on available information.         Germ cell mutagenicity         Not classified based on available information.         Genotoxicity in vitro         : Test Type: reverse mutation assay Test system: Salmonella typhimurium Result: negative         Genotoxicity in vitro       : Test Type: in vitro test Test system: Chinese hamster ovary cells Result: negative         Genotoxicity in vivo       : Test Type: In vivo micronucleus test Species: Mouse Application Route: Oral Result: negative         Germ cell mutagenicity -       : Weight of evidence does not support classification as a germ	Comp	oonents:		
Species       : Mouse         Result       : No skin irritation         Species       : Guinea pig         Result       : No skin irritation         Serious eye damage/eye irritation         Not classified based on available information.         Respiratory or skin sensitization         Skin sensitization         Not classified based on available information.         Respiratory sensitization         Not classified based on available information.         Germ cell mutagenicity         Not classified based on available information.         Germ cell mutagenicity         Not classified based on available information.         Genotoxicity in vitro         : Test Type: reverse mutation assay Test system: Salmonella typhimurium Result: negative         Genotoxicity in vitro       : Test Type: In vitro test Test system: Chinese hamster ovary cells Result: negative         Genotoxicity in vivo       : Test Type: In vivo micronucleus test Species: Mouse Application Route: Oral Result: negative         Germ cell mutagenicity -       : Weight of evidence does not support classification as a germ	(17α)·	-13-Ethyl-17-hydroxy	-11-methylene-18,19	-dinorpregn-4-en-20-yn-3-one:
Species       : Guinea pig         Result       : No skin irritation         Serious eye damage/eye irritation         Not classified based on available information.         Respiratory or skin sensitization         Skin sensitization         Not classified based on available information.         Respiratory sensitization         Not classified based on available information.         Respiratory sensitization         Not classified based on available information.         Gern cell mutagenicity         Not classified based on available information.         Gern cell mutagenicity         Not classified based on available information.         Genotoxicity in vitro       : Test Type: reverse mutation assay Test system: Salmonella typhimurium Result: negative         Genotoxicity in vitro       : Test Type: in vitro test Test system: Chinese hamster ovary cells Result: negative         Genotoxicity in vivo       : Test Type: In vivo micronucleus test Species: Mouse Application Route: Oral Result: negative         Gern cell mutagenicity -       : Weight of evidence does not support classification as a ge	Speci	es	: Mouse	
Result       : No skin irritation         Serious eye damage/eye irritation         Not classified based on available information.         Respiratory or skin sensitization         Skin sensitization         Not classified based on available information.         Respiratory sensitization         Not classified based on available information.         Respiratory sensitization         Not classified based on available information.         Germ cell mutagenicity         Not classified based on available information.         Germ cell mutagenicity         Not classified based on available information.         Components:         (17a)-13-Ethyl-17-hydroxy-11-methylene-18,19-dinorpregn-4-en-20-yn-3-one:         Genotoxicity in vitro       : Test Type: reverse mutation assay Test system: Salmonella typhimurium Result: negative         Genotoxicity in vitro       : Test Type: in vitro test Test system: Chinese hamster ovary cells Result: negative         Genotoxicity in vivo       : Test Type: In vivo micronucleus test Species: Mouse Application Route: Oral Result: negative         Germ cell mutagenicity -       : Weight of evidence does not support classification as a ge	Resul	t	: No skin irritatio	n
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Genotoxicity in vitro       : Test Type: reverse mutation assay Test system: Salmonella typhimurium Result: negative         Test Type: in vitro test Test system: Chinese hamster ovary cells Result: negative         Genotoxicity in vivo       : Test Type: In vivo micronucleus test Species: Mouse Application Route: Oral Result: negative         Germ cell mutagenicity -       : Weight of evidence does not support classification as a get	Comp	oonents:		
Test system: Salmonella typhimurium         Result: negative         Test Type: in vitro test         Test system: Chinese hamster ovary cells         Result: negative         Genotoxicity in vivo         :       Test Type: In vivo micronucleus test         Species: Mouse         Application Route: Oral         Result: negative         Germ cell mutagenicity -         :       Weight of evidence does not support classification as a get	(17α)·	-13-Ethyl-17-hydroxy	-11-methylene-18,19	-dinorpregn-4-en-20-yn-3-one:
Genotoxicity in vivo       : Test Type: In vivo micronucleus test         Species: Mouse       Application Route: Oral         Result: negative       : Weight of evidence does not support classification as a get	Geno	toxicity in vitro	Test system: S	almonella typhimurium
Species: Mouse         Application Route: Oral         Result: negative         Germ cell mutagenicity -       :         Weight of evidence does not support classification as a get			Test system: C	hinese hamster ovary cells
	Geno	toxicity in vivo	Species: Mous Application Ro	e ute: Oral
	0			· · · · · · · · · · · · · · · · · · ·



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### Carcinogenicity

Not classified based on available information.

### Components:

(17α)-13-Ethyl-17-hydroxy-11-methylene-18,19-dinorpregn-4-en-20-yn-3-one:
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Species	:	Rat
Application Route	:	Oral
Activity duration	:	2 у
	:	0.5 mg/kg body weight
Result	:	negative
Species	:	Rat
Application Route	:	Subcutaneous
Activity duration	:	2 у
	:	0.02 mg/kg body weight
Result	:	negative
Carcinogenicity - Assess-	:	Weight of evidence does not support classification as a car-
ment		cinogen

### **Reproductive toxicity**

May damage fertility.

### Components:

(17α)-13-Ethyl-17-hydroxy-11-methylene-18,19	9-dinorpregn-4-en-20-yn-3-one:
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Effects on fertility	:	Test Type: Fertility Species: Rat, female Application Route: Oral Fertility: LOAEL: 0.012 mg/kg body weight Result: Effects on fertility.
		Test Type: Fertility Species: Rabbit, female Application Route: Oral Dose: 0.05 milligram per kilogram Result: Effects on fertility.
Effects on fetal development	:	Species: Rat, female Duration of Single Treatment: 14 d General Toxicity Maternal: NOAEL: 1.8 mg/kg body weight Result: No teratogenic effects.
Reproductive toxicity - As- sessment	:	Positive evidence of adverse effects on sexual function and fertility from human epidemiological studies.

### STOT-single exposure

Not classified based on available information.

### STOT-repeated exposure

Not classified based on available information.



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Repe	ated dose toxicity			
Com	ponents:			
(17α)	-13-Ethyl-17-hydroxy	-11-m	ethylene-18,19	-dinorpregn-4-en-20-yn-3-one:
Spec		:	Rat	
LOAE		:	0.5 mg/kg	
	cation Route sure time	÷	Oral 1 y	
	et Organs	:		organs, Endocrine system
Speci	ies	:	Dog	
LOAE		:	0.625 mg/kg	
	cation Route	:	Oral	
	sure time et Organs		26 Weeks Reproductive c	organs, Endocrine system
rarge	organo -	•		
Aspii	ration toxicity			
Not c	lassified based on ava	ilable	information.	
Expe	rience with human ex	φosι	ire	
Com	ponents:	-		
<b>(17α)</b> Inhala		-11-m :	Symptoms: He Skin disorders	<ul> <li>-dinorpregn-4-en-20-yn-3-one:</li> <li>adache, Dizziness, Abdominal pain, Nausea, effects on menstruation, vaginitis, breast ten- swings, male reproductive effects, Sweating</li> </ul>
				ge,
JIION	12. ECOLOGICAL IN	FORM	ATION	
Ecote	oxicity			
Com	ponents:			
(17α)	-13-Ethvl-17-hvdroxv	-11-m	ethvlene-18.19	-dinorpregn-4-en-20-yn-3-one:
• •	ity to fish	:	-	vnchus mykiss (rainbow trout)): 4.0 mg/l 96 h
			Exposure time Method: OECE	s macrochirus (Bluegill sunfish)): > 1.3 mg/l 96 h 9 Test Guideline 203 oxicity at the limit of solubility.
	ity to daphnia and othe ic invertebrates	er :	EC50 (Daphnia Exposure time	a magna (Water flea)): > 3.9 mg/l 5 48 h
			Method: FDA 4 Remarks: No te	l.08 oxicity at the limit of solubility.

NOEC (Oryzias latipes (Japanese medaka)): 0.0000027 mg/l



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				Exposure time: 18 Method: OECD Te	
		invertebrates (Chron-	:	NOEC (Daphnia r Exposure time: 21	nagna (Water flea)): 1.2 mg/l d
		to microorganisms	:	NOEC: 70.8 mg/l Exposure time: 3 Test Type: Respir Method: OECD Te	ation inhibition
				EC50: > 1,000 mg Exposure time: 3 Test Type: Respir Method: OECD Te	h ation inhibition
	Persist	ence and degradabili	ty		
	Compo	onents:			
	(17α)-1	3-Ethyl-17-hydroxy-1	1-m	ethylene-18,19-di	norpregn-4-en-20-yn-3-one:
	Stability	y in water	:	Hydrolysis: < 10 % Method: FDA 3.09	
	Bioacc	umulative potential			
	<u>Compo</u>	onents:			
	• •		1-m	ethylene-18,19-di	norpregn-4-en-20-yn-3-one:
	Bioaccu	umulation	:	Species: Lepomis Bioconcentration f Method: OECD Te	
	Partitio octanol	n coefficient: n- /water	:	log Pow: 3.5	
	Mobilit	y in soil			
	<u>Compo</u>	onents:			
			1-m	-	norpregn-4-en-20-yn-3-one:
		ition among environ- compartments	:	log Koc: 2.84 Method: FDA 3.08	3
		adverse effects a available			
SEC	TION 1	3. DISPOSAL CONSIE	DER	ATIONS	
	Dispos	al methods			
		from residues hinated packaging	:	Empty containers handling site for re	ordance with local regulations. should be taken to an approved waste ecycling or disposal. becified: Dispose of as unused product.



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SECTION	N 14. TRANSPORT INFC	RM	ATION	
Inte	rnational Regulations			
UN r	RTDG number per shipping name	: :	N.O.S. ((17α)-13-Ethyl-	ALLY HAZARDOUS SUBSTANCE, SOLID, 17-hydroxy-11-methylene-18,19-dinorpregn-
Clas Pack Labe	king group	:	4-en-20-yn-3-one 9 III 9	<i>=)</i>
UN/I	<b>A-DGR</b> ID No. per shipping name	:		hazardous substance, solid, n.o.s. 17-hydroxy-11-methylene-18,19-dinorpregn-
Labe Pack aircr Pack	king group els king instruction (cargo raft) king instruction (passen-		9 III Miscellaneous 956 956	~)
•	aircraft) ronmentally hazardous	:	yes	
UNı	<b>G-Code</b> number per shipping name	:	N.O.S.	ALLY HAZARDOUS SUBSTANCE, SOLID, 7-hydroxy-11-methylene-18,19-dinorpregn-4-
Labe EmS	king group	:	9 III 9 F-A, S-F yes	
Trar	nsport in bulk according	-	Annex II of MARI	POL 73/78 and the IBC Code
	applicable for product as nestic regulation	sup	plied.	
	-			
	<b>//-002-SCT</b> number	:	UN 3077	

UN number	:	UN 3077
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
		((17α)-13-Ethyl-17-hydroxy-11-methylene-18,19-dinorpregn- 4-en-20-yn-3-one)
Class	:	9
Packing group	:	
Labels	:	9



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#### 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

Federal Law for the control of chemical precursors, : Not applicable essential chemical products and machinery for producing capsules, tablets and pills.

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

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

### SECTION 16. OTHER INFORMATION

#### 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 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 - Transporta-





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tion of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Na- tions; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Infor- mation System				
comp	ces of key data used to ile the Material Safety Sheet		ical data, data from raw material SDSs, OECD search results and European Chemicals Agen- .europa.eu/	
Revis	sion Date	: 09.04.2021		
The i	nformation is consider	ed as correct but n	ot exhaustive, and will be used only as a quide	

The information is considered as correct, but not exhaustive, and will be used only as a guide, which is based in the current knowledge of the substance or mixture, and is applicable to proper safety precautions for the product.

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