

Version 2.10	Revision Date: 30.09.2023		S Number: 31015-00014	Date of last issue: 04.04.2023 Date of first issue: 09.11.2017		
SECTION	1. IDENTIFICATION					
Produ	Product name		: Finasteride (3.25%) Formulation			
Manu	afacturer or supplier's	s detai	ils			
Comp	Company		Organon & Co.			
Addre	Address		30 Hudson Street, 33nd floor Jersey City, New Jersey, U.S.A 07302			
Telep	Telephone		1-551-430-6000			
Emer	Emergency telephone		1-215-631-6999			
E-ma	E-mail address		EHSSTEWARD@organon.com			
Reco	mmended use of the	chem	ical and restriction	ons on use		
Recommended use Restrictions on use		:	Pharmaceutical Not applicable			

### SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Reproductive toxicity	:	Category 1B
Specific target organ toxicity - repeated exposure (Oral)	:	Category 2 (Testis)
Long-term (chronic) aquatic hazard	:	Category 2
GHS label elements Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	H360D May damage the unborn child. H373 May cause damage to organs (Testis) through prolonged or repeated exposure if swallowed. H411 Toxic to aquatic life with long lasting effects.
Precautionary Statements	:	<b>Prevention:</b> P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood.



ersion 10	Revision Date: 30.09.2023	SDS Number: 2161015-00014		ssue: 04.04.2023 ssue: 09.11.2017			
		P273 Avoid re	lease to the envir otective gloves/ p	e/ gas/ mist/ vapors/ spray. onment. rotective clothing/ eye protec-			
<b>Response:</b> P308 + P313 IF exposed or concerned: Get medical advice attention. P391 Collect spillage.							
	<b>Storage:</b> P405 Store locked up.						
		•	<b>Disposal:</b> P501 Dispose of contents/ container to an approved waste disposal plant.				
••	e <b>r hazards which do r</b> e known.	ot result in classifica	ation				
ECTION	3. COMPOSITION/IN	FORMATION ON ING	REDIENTS				
Subs	tance / Mixture	: Mixture					
Com	ponents						
Chen	nical name		CAS-No.	Concentration (% w/w)			
	L		9004-34-6	>= 5 -< 10			
Cellu	llose						
Cellu Starc			9005-25-8	>= 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 Protection of first-aiders	:	
	•	r is the responders should pay aller interaction to self-protection,

### SAFETY DATA SHEET



### Finasteride (3.25%) Formulation

Version 2.10	Revision Date: 30.09.2023		OS Number: 61015-00014	Date of last issue: 04.04.2023 Date of first issue: 09.11.2017
Notes	s to physician	:	when the potentia	nmended personal protective equipment Il for exposure exists (see section 8). cally and supportively.
SECTION	5. FIRE-FIGHTING ME	ASL	IRES	
Suita	ble extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (C Dry chemical	
Unsu media	itable extinguishing a	:	None known.	
Spec fightir	ific hazards during fire	:	Exposure to com	pustion products may be a hazard to health.
	rdous combustion prod-	:	Carbon oxides Metal oxides	
Spec ods	Specific extinguishing meth- ods		cumstances and t Use water spray t	measures that are appropriate to local cir- the surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do
•	ial protective equipment e-fighters	:	In the event of fire	e, wear self-contained breathing apparatus. tective equipment.
SECTION	6. ACCIDENTAL RELE	AS	E MEASURES	
tive e	onal precautions, protec- quipment and emer- y procedures	:	Follow safe hand	tective equipment. ing advice (see section 7) and personal ient recommendations (see section 8).
Envir	onmental precautions	:	Avoid release to t Prevent further le	he environment. akage or spillage if safe to do so.

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		Sweep up or vacuum up spillage and collect in suitable container for disposal. 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.
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#### SECTION 7. HANDLING AND STORAGE

Technical measures		ee Engineering measures under EXPOSURE
	C	ONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	: If	sufficient ventilation is unavailable, use with local exhaust
	VE	ntilation.
Advice on safe handling	: De	o not get on skin or clothing.
	D	o not breathe dust, fume, gas, mist, vapors or spray.



Version 2.10	Revision Date: 30.09.2023	SDS Number: 2161015-00014	Date of last issue: 04.04.2023 Date of first issue: 09.11.2017					
		Do not swallow. Avoid contact with eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Keep container tightly closed. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the environment.						
Conditions for safe storage Materials to avoid		: Keep in properly labeled containers. Store locked up. Keep tightly closed.						
		<ul> <li>Store in accordance with the particular national regulations.</li> <li>Do not store with the following product types: Strong oxidizing agents</li> <li>Self-reactive substances and mixtures</li> <li>Organic peroxides</li> <li>Explosives</li> <li>Gases</li> </ul>						

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type	Control parame-	Basis				
		(Form of	ters / Permissible					
		exposure)	concentration					
Cellulose	9004-34-6	CMP	10 mg/m <sup>3</sup>	AR OEL				
		TWA	10 mg/m <sup>3</sup>	ACGIH				
Starch	9005-25-8	CMP	10 mg/m <sup>3</sup>	AR OEL				
	Further information: A4 - Not classifiable as a human carcinogen							
		TWA	10 mg/m <sup>3</sup>	ACGIH				
Finasteride	98319-26-7	TWA	0.5 µg/m3 (OEB	Internal				
			5)					
		Wipe limit	5 µg/100 cm <sup>2</sup>	Internal				

#### Ingredients with workplace control parameters

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 exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.



Version 2.10	Revision Date: 30.09.2023		DS Number: 61015-00014	Date of last issue: 04.04.2023 Date of first issue: 09.11.2017			
Filter type Hand protection		:	: Particulates type				
Ma	aterial	:	: Chemical-resistant gloves				
Remarks Eye protection		:	<ul> <li>Consider double gloving.</li> <li>Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.</li> </ul>				
Skin and body protection		:	Work uniform or la Additional body g task being perform disposable suits)	arments should be used based upon the ned (e.g., sleevelets, apron, gauntlets, to avoid exposed skin surfaces. degowning techniques to remove potentially			
Hygiene measures		:	If exposure to che eye flushing syste working place. When using do no Wash contaminat The effective ope engineering contr appropriate dego	emical is likely during typical use, provide ems and safety showers close to the ot eat, drink or smoke. ed clothing before re-use. ration of a facility should include review of ols, proper personal protective equipment, wning and decontamination procedures, monitoring, medical surveillance and the			

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	solid
Color	:	blue
Odor	:	odorless
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	:	Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	Not classified as a flammability hazard
Flammability (liquids)	:	No data available
Upper explosion limit / Upper	:	No data available



Versi 2.10	ion	Revision Date: 30.09.2023		S Number: 1015-00014	Date of last issue: 04.04.2023 Date of first issue: 09.11.2017
	flamma	bility limit			
		explosion limit / Lower bility limit	:	No data available	
,	Vapor p	pressure	:	Not applicable	
	Relative	e vapor density	:	Not applicable	
	Relative	e density	:	No data available	)
	Density		:	No data available	9
	Solubilit Wate	ty(ies) er solubility	:	No data available	9
	Partitior	n coefficient: n-	:	Not applicable	
		ition temperature	:	No data available	
	Decom	position temperature	:	No data available	9
,	Viscosit Visc	ty osity, kinematic	:	Not applicable	
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance of	r mixture is not classified as oxidizing.
	Particle	size	:	No data available	9

#### SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability	:	Not classified as a reactivity hazard. Stable under normal conditions.
	•	
Possibility of hazardous reac-	1	Can react with strong oxidizing agents.
tions		
Conditions to avoid	:	None known.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	No hazardous decomposition products are known.

#### SECTION 11. TOXICOLOGICAL INFORMATION

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

#### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity

: Acute toxicity estimate: > 5.000 mg/kg



)	Revision Date: 30.09.2023		OS Number: 61015-00014	Date of last issue: 04.04.2023 Date of first issue: 09.11.2017
			Method: Calcu	ation method
Comp	oonents:			
Cellu	lose:			
Acute	oral toxicity	:	LD50 (Rat): > \$	5.000 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): > 5,8 mg/l Exposure time: 4 h Test atmosphere: dust/mist	
Acute	dermal toxicity	:	LD50 (Rabbit):	> 2.000 mg/kg
Starc	h:			
Acute	oral toxicity	:	LD50 (Rat): > 5	5.000 mg/kg
Acute	dermal toxicity	:	LD50 (Rabbit):	> 2.000 mg/kg
Finas	teride:			
Acute	oral toxicity	:	LD50 (Rat): 37	3 - 828 mg/kg
			LD50 (Mouse):	486 mg/kg
	corrosion/irritation assified based on ava	ailable	information.	
<u>Comp</u>	oonents:			
	oonents: teride:			
Finas Speci	es	:	Rabbit	
<b>Finas</b> Speci Resul	es t	: : irritati	No skin irritatio	n
Finas Speci Resul Serio	es		No skin irritatio	n
Finas Speci Resul Serio Not cl	teride: es t us eye damage/eye		No skin irritatio	n
Finas Speci Resul Serio Not cl	teride: es t us eye damage/eye assified based on ava conents:		No skin irritatio	n
Finas Speci Resul Serio Not cl <u>Comp</u> Starc Speci	teride: es t us eye damage/eye assified based on ava <u>conents:</u> h: es		No skin irritatio	n
Finas Speci Resul Serio Not cl <u>Comp</u> Starc	teride: es t us eye damage/eye assified based on ava <u>conents:</u> h: es		No skin irritatio on information.	
Finas Speci Resul Serio Not cl <u>Comp</u> Starc Speci Resul	teride: es t us eye damage/eye assified based on ava <u>conents:</u> h: es		No skin irritatio on information. Rabbit	
Finas Speci Resul Serio Not cl Comp Starc Speci Resul Finas Speci	teride: es t us eye damage/eye assified based on ava <u>conents:</u> h: es t t teride: es		No skin irritatio on information. Rabbit	
Finas Speci Resul Serio Not cl Comp Starc Speci Resul Finas	teride: es t us eye damage/eye assified based on ava <u>conents:</u> h: es t t teride: es		No skin irritatio on information. Rabbit No eye irritatio	
Finas Speci Resul Serio Not cl Comr Starc Speci Resul Finas Speci Rema	teride: es t us eye damage/eye assified based on ava <u>conents:</u> h: es t t teride: es	ailable : : :	No skin irritatio on information. Rabbit No eye irritation Rabbit slight irritation	
Finas Speci Resul Serio Not cl Comr Starc Speci Resul Finas Speci Rema Resp	teride: es t us eye damage/eye assified based on ava <u>ponents:</u> h: es t t es t	ailable : : :	No skin irritatio on information. Rabbit No eye irritation Rabbit slight irritation	





Version 2.10	Revision Date: 30.09.2023	SDS Number: 2161015-00014	Date of last issue: 04.04.2023 Date of first issue: 09.11.2017
Resp	iratory sensitizatior	1	
Not cl	assified based on av	ailable information.	
Com	oonents:		
Starc	h:		
Test Route Speci Resul	es of exposure es	: Maximizatio : Skin contac : Guinea pig : negative	
	a <b>cell mutagenicity</b> lassified based on av	ailable information.	
<u>Comp</u>	oonents:		
Cellu	lose:		
Geno	toxicity in vitro	: Test Type: E Result: nega	Bacterial reverse mutation assay (AMES) ative
		Test Type: I Result: nega	n vitro mammalian cell gene mutation test ative
Geno	toxicity in vivo	cytogenetic Species: Mo	Route: Ingestion
Starc	h:		
Geno	toxicity in vitro	: Test Type: Result: nega	Bacterial reverse mutation assay (AMES) ative
Finas	steride:		
Geno	toxicity in vitro	: Test Type: ( Result: posi	Chromosome aberration test in vitro tive
		Test Type: I Result: nega	n vitro mammalian cell gene mutation test ative
		Test Type: I Result: nega	Bacterial reverse mutation assay (AMES) ative
		Test Type: / Result: nega	Alkaline elution assay ative
Geno	toxicity in vivo		

### Carcinogenicity

Not classified based on available information.



0	Revision Date: 30.09.2023	SDS Number: 2161015-00014	Date of last issue: 04.04.2023 Date of first issue: 09.11.2017
<u>Comp</u>	oonents:		
Cellul	ose:		
Specie		: Rat	
•	ation Route	: Ingestion	
	sure time	: 72 weeks	
Result		: negative	
Finas	teride:		
Specie	es	: Rat	
	ation Route	: Ingestion	
	sure time	: 2 Years	
•		: 160 mg/kg body	weight
Result	t	: negative	
Targe	t Organs	: Testes	
Rema	rks	: Benign tumor(s)	
Specie	es	: Mouse	
Applic	ation Route	: Ingestion	
Expos	sure time	: 19 month(s)	
Result	t	: negative	
	t Organs	: Testes	
Rema	rks	: Benign tumor(s)	
	oductive toxicity lamage the unborn child	l.	
May d	-	l.	
May d <u>Comp</u>	lamage the unborn child ponents:	l.	
May d <u>Comp</u> Cellul	lamage the unborn child ponents: lose:		concretion reproduction toxicity study
May d <u>Comp</u> Cellul	lamage the unborn child ponents:	: Test Type: One	-generation reproduction toxicity study
May d <u>Comp</u> Cellul	lamage the unborn child ponents: lose:	: Test Type: One Species: Rat	
May d <u>Comp</u> Cellul	lamage the unborn child ponents: lose:	: Test Type: One Species: Rat Application Rou	te: Ingestion
May d <u>Comp</u> Cellul Effects	lamage the unborn child ponents: lose: s on fertility	: Test Type: One Species: Rat Application Rou Result: negative	te: Ingestion
May d <u>Comp</u> Cellul Effects	lamage the unborn child ponents: lose:	<ul> <li>Test Type: One Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti</li> </ul>	te: Ingestion
May d <u>Comp</u> Cellul Effects	lamage the unborn child ponents: lose: s on fertility	<ul> <li>Test Type: One Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rat</li> </ul>	te: Ingestion lity/early embryonic development
May d <u>Comp</u> Cellul Effects	lamage the unborn child ponents: lose: s on fertility	<ul> <li>Test Type: One Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rat Application Rou</li> </ul>	te: Ingestion lity/early embryonic development te: Ingestion
May d <u>Comp</u> Cellul Effects	lamage the unborn child ponents: lose: s on fertility	<ul> <li>Test Type: One Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rat</li> </ul>	te: Ingestion lity/early embryonic development te: Ingestion
May d <u>Comp</u> Cellul Effects Effects Finas	lamage the unborn child ponents: lose: s on fertility s on fetal development teride:	<ul> <li>Test Type: One Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rat Application Rou Result: negative</li> </ul>	te: Ingestion lity/early embryonic development te: Ingestion
May d <u>Comp</u> Cellul Effects Effects Finas	lamage the unborn child ponents: lose: s on fertility s on fetal development	<ul> <li>Test Type: One Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti</li> </ul>	te: Ingestion lity/early embryonic development te: Ingestion
May d <u>Comp</u> Cellul Effects Effects Finas	lamage the unborn child ponents: lose: s on fertility s on fetal development teride:	<ul> <li>Test Type: One Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rabbit</li> </ul>	te: Ingestion lity/early embryonic development te: Ingestion
May d <u>Comp</u> Cellul Effects Effects Finas	lamage the unborn child ponents: lose: s on fertility s on fetal development teride:	<ul> <li>Test Type: One Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rabbit Application Rou</li> </ul>	te: Ingestion lity/early embryonic development te: Ingestion lity/early embryonic development te: Oral
May d <u>Comp</u> Cellul Effects Effects Finas	lamage the unborn child ponents: lose: s on fertility s on fetal development teride:	<ul> <li>Test Type: One Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rabbit Application Rou Fertility: NOAEL</li> </ul>	te: Ingestion lity/early embryonic development te: Ingestion lity/early embryonic development te: Oral .: 80 mg/kg body weight
May d <u>Comp</u> Cellul Effects Effects Finas	lamage the unborn child ponents: lose: s on fertility s on fetal development teride:	<ul> <li>Test Type: One Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rabbit Application Rou</li> </ul>	te: Ingestion lity/early embryonic development te: Ingestion lity/early embryonic development te: Oral .: 80 mg/kg body weight
May d <u>Comp</u> Cellul Effects Effects Finas	lamage the unborn child ponents: lose: s on fertility s on fetal development teride:	<ul> <li>Test Type: One Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rabbit Application Rou Fertility: NOAEL Result: No effect</li> <li>Test Type: Ferti</li> </ul>	te: Ingestion lity/early embryonic development te: Ingestion lity/early embryonic development te: Oral .: 80 mg/kg body weight
May d <u>Comp</u> Cellul Effects Effects Finas	lamage the unborn child ponents: lose: s on fertility s on fetal development teride:	<ul> <li>Test Type: One Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rabbit Application Rou Fertility: NOAEL Result: No effect Test Type: Ferti Species: Rat</li> </ul>	te: Ingestion lity/early embryonic development te: Ingestion lity/early embryonic development te: Oral .: 80 mg/kg body weight ts on fertility. lity/early embryonic development
May d <u>Comp</u> Cellul Effects Effects Finas	lamage the unborn child ponents: lose: s on fertility s on fetal development teride:	<ul> <li>Test Type: One Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rabbit Application Rou Fertility: NOAEL Result: No effect</li> <li>Test Type: Ferti Species: Rat Application Rou</li> </ul>	te: Ingestion lity/early embryonic development te: Ingestion lity/early embryonic development te: Oral .: 80 mg/kg body weight ts on fertility. lity/early embryonic development te: Ingestion
May d <u>Comp</u> Cellul Effects Effects Finas	lamage the unborn child ponents: lose: s on fertility s on fetal development teride:	<ul> <li>Test Type: One Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rabbit Application Rou Fertility: NOAEL Result: No effect</li> <li>Test Type: Ferti Species: Rat Application Rou Fertility: LOAEL</li> </ul>	te: Ingestion lity/early embryonic development te: Ingestion lity/early embryonic development te: Oral .: 80 mg/kg body weight ts on fertility. lity/early embryonic development
May d <u>Comp</u> Cellul Effects Effects Finas	lamage the unborn child ponents: lose: s on fertility s on fetal development teride:	<ul> <li>Test Type: One Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rat Application Rou Result: negative</li> <li>Test Type: Ferti Species: Rabbit Application Rou Fertility: NOAEL Result: No effect</li> <li>Test Type: Ferti Species: Rat Application Rou Fertility: LOAEL Result: positive</li> </ul>	te: Ingestion lity/early embryonic development te: Ingestion lity/early embryonic development te: Oral .: 80 mg/kg body weight ts on fertility. lity/early embryonic development te: Ingestion

### SAFETY DATA SHEET



### Finasteride (3.25%) Formulation

Version 2.10	Revision Date: 30.09.2023	SDS Number: 2161015-00014	Date of last issue: 04.04.2023 Date of first issue: 09.11.2017
		vant to humar	IS.
Effec	ts on fetal development	Species: Rat Application Re Developments	nbryo-fetal development oute: Ingestion al Toxicity: LOAEL: 0,003 mg/kg body weight ogenic effects., Embryotoxic effects.
		Species: Mon Application Re Developments	nbryo-fetal development key oute: Ingestion al Toxicity: LOAEL: 2 mg/kg body weight ogenic effects.
Repro sessr	oductive toxicity - As- nent	: Clear evidenc animal experi	e of adverse effects on development, based on ments.
STO	ſ-single exposure		
Not c	lassified based on availa	able information.	
STO	-repeated exposure		

May cause damage to organs (Testis) through prolonged or repeated exposure if swallowed.

#### Components:

#### Finasteride:

Routes of exposure	:	Ingestion
Target Organs	:	Testis
Assessment	:	Causes damage to organs through prolonged or repeated
		exposure.

#### Repeated dose toxicity

#### **Components:**

#### Cellulose:

oonalooo.		
Species	: F	Rat
NOAEL	: >	= 9.000 mg/kg
Application Route	: Ir	ngestion
Exposure time	: 9	0 Days

#### Starch:

Species	:	Rat
NOAEL	:	>= 2.000 mg/kg
Application Route	:	Skin contact
Exposure time	:	28 Days
Method	:	OECD Test Guideline 410

#### Finasteride:

Species	:	Rat
NOAEL	:	20 mg/kg
LOAEL	:	40 mg/kg
Application Route	:	Oral



Versio 2.10	n Revision Date: 30.09.2023	-	OS Number: 61015-00014	Date of last issue: 04.04.2023 Date of first issue: 09.11.2017
	kposure time arget Organs	:	1 y Testis	
N Ar Ex	Decies OAEL oplication Route kposure time arget Organs		Dog 45 mg/kg Oral 1 y Testis	
	<b>spiration toxicity</b> ot classified based on avai	lable	information.	
E	xperience with human ex	φοςι	ıre	
<u>C</u>	omponents:			
	nasteride:			
In	gestion	:	Symptoms: breas tence, lip swelling	t tenderness, breast enlargement, impo- , skin rash
SECTI	ON 12. ECOLOGICAL INI	FORM	MATION	
E	ootovioitu			
	cotoxicity			
	omponents:			
-	ellulose: oxicity to fish	:	Exposure time: 4	ipes (Japanese medaka)): > 100 mg/l } h on data from similar materials
Fi	nasteride:			
	oxicity to fish	:	LC50 (Oncorhynd Exposure time: 90 Method: FDA 4.1	
	oxicity to daphnia and othe quatic invertebrates	er :	EC50 (Daphnia m Exposure time: 44 Method: FDA 4.04	
	oxicity to algae/aquatic ants	:	NOEC (Pseudoki mg/l Exposure time: 14 Method: FDA 4.0	
	oxicity to fish (Chronic tox- ity)	:	NOEC (Oryzias la Exposure time: 10	itipes (Orange-red killifish)): 0,05 mg/l 05 d
ac	oxicity to daphnia and othe quatic invertebrates (Chror toxicity)		NOEC (Daphnia ) Exposure time: 2 Method: OECD T	
	-Factor (Chronic aquatic xicity)	:	1	



/ersion 2.10	Revision Date: 30.09.2023	SDS Number: 2161015-0001	Date of last issue: 04.04.2023 Date of first issue: 09.11.2017
Persi	istence and degrada	ability	
Com	ponents:		
Cellu	llose:		
Biode	egradability	: Result: Rea	adily biodegradable.
Finas	steride:		
Biode	egradability	: Result: Not Biodegrada Exposure t Method: FE	ime: 7 d
Stabi	lity in water	: Hydrolysis: Method: FI	
Bioa	ccumulative potenti	al	
<u>Com</u>	ponents:		
Partit	steride: tion coefficient: n- nol/water	: log Pow: 3,	57
	i <b>lity in soil</b> ata available		
••	<b>r adverse effects</b> ata available		

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.

### SECTION 14. TRANSPORT INFORMATION

<b>UNRTDG</b> UN number Proper shipping name	:	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Finasteride)
Class	:	9
Packing group	:	
Labels	:	9
Environmentally hazardous	:	yes
IATA-DGR		



### Finasteride (3.25%) Formulation

Version 2.10	Revision Date: 30.09.2023		0S Number: 61015-00014	Date of last issue: 04.04.2023 Date of first issue: 09.11.2017
UN/ID Proper	No. shipping name	:	UN 3077 Environmentally h (Finasteride)	azardous substance, solid, n.o.s.
Class Packin	g group	:	9 III	
Labels		:	Miscellaneous	
Packin aircraft	g instruction (cargo	•	956	
	g instruction (passen-	:	956	
Enviro	nmentally hazardous	:	yes	
IMDG-	Code			
UN nu	mber	:	UN 3077	
Proper	shipping name	:	ENVIRONMENTA N.O.S. (Finasteride)	LLY HAZARDOUS SUBSTANCE, SOLID,
Class		:	9	
Packin	g group	:	III	
Labels		:	9	
EmS C	ode	:	F-A, S-F	
Marine	pollutant	:	yes	

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

Not applicable for product as supplied.

#### 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

Argentina. Carcinogenic Substances and Agents Registry.	:	Not applicable
Control of precursors and essential chemicals for the preparation of drugs.	:	Not applicable

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

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

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

Revision Date	: 30.09.2023
Date format	: dd.mm.yyyy



Version	Revision Date:	SDS Number:	Date of last issue: 04.04.2023
2.10	30.09.2023	2161015-00014	Date of first issue: 09.11.2017

#### 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

ACGIH AR OEL	USA. ACGIH Threshold Limit Values (TLV) Argentina. Occupational Exposure Limits
ACGIH / TWA AR OEL / CMP	8-hour, time-weighted average TLV (Threshold Limit Value)

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.



Version	Revision Date:	SDS Number:	Date of last issue: 04.04.2023
2.10	30.09.2023	2161015-00014	Date of first issue: 09.11.2017

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