

(trenbolone acetate 20mg/tablet / Estradiol 2mg/tablet)

Version	Revision Date:	SDS Number:	Date of last issue: 23.03.2020
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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name APVMA No.	:	COOPERS REVALOR XR GROWTH PROMOTANT AND FINISHING IMPLANTS - 90903
Manufacturer or supplier's de	etai	Is
Company & ABN Number	:	Intervet Australia Pty Limited (trading as MSD Animal Health)
Address	:	ABN 79 008 467 034 91-105 Harpin Street
		Bendigo 3550, Victoria Austrailia
Telephone / Fax	:	Tel: 1 800 033 461 / Fax: 1 800 817 414
Poisons Information Centre :		Phone 13 1126 from anywhere in Australia
SDS Valid to	:	5 years from date of last issue stated above

Recommended use of the chemical and restrictions on use

Recommended use	:	Veterinary product
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SECTION 2. HAZARDS IDENTIFICATION

GHS Classification	
Carcinogenicity :	Category 1A
Reproductive toxicity :	Category 1A
Specific target organ toxicity - : repeated exposure	Category 1 (Liver, Bone, Blood, Endocrine system)
Specific target organ toxicity - : repeated exposure (Oral)	Category 1 (Endocrine system, Blood)
GHS label elements	
Hazard pictograms :	
Signal word :	Danger
Hazard statements :	H350 May cause cancer. H360FD May damage fertility. May damage the unborn child. H372 Causes damage to organs (Liver, Bone, Blood, Endo- crine system) through prolonged or repeated exposure. H372 Causes damage to organs (Endocrine system, Blood) through prolonged or repeated exposure if swallowed.
Precautionary statements :	Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood.



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P260 Do not breathe dust.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P281 Use personal protective equipment as required.

Response:

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

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

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)
17β-hydroxyestra-4,9,11-trien-3-one 17-acetate	10161-34-9	>= 60 -<= 100
Estradiol	50-28-2	>= 1 -< 10
Magnesium stearate	557-04-0	< 10

SECTION 4. FIRST AID MEASURES

General advice	:	In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	:	If inhaled, remove to fresh air. Get medical attention.
In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	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 cause cancer. May damage fertility. May damage the unborn child. Causes damage to organs through prolonged or repeated



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Protection of first-aiders Notes to physician		:	exposure. Contact with dust can cause mechanical irritation or drying of 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). Treat symptomatically and supportively.	
SECTION	5. FIREFIGHTING MEA	SU	RES	
Suitable extinguishing media		:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical	
Unsuitable extinguishing media		:	None known.	
Specific hazards during fire- fighting		:	concentrations, and potential dust exp	dust; fine dust dispersed in air in sufficient nd in the presence of an ignition source is a losion hazard. pustion products may be a hazard to health.
Hazaro ucts	dous combustion prod-	:	Carbon oxides Metal oxides	
Specif ods	ic extinguishing meth-	:	cumstances and t Use water spray t	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do
for fire	Il protective equipment fighters em Code	:	In the event of fire	e, wear self-contained breathing apparatus. tective equipment.

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. 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 con- tainer for disposal. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Dust deposits should not be allowed to accumulate on surfac- es, as these may form an explosive mixture if they are re- leased into the atmosphere in sufficient concentration. Local or national regulations may apply to releases and dis-



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		employed in th mine which reg Sections 13 an	posal of this material, as well as those materials and items employed in the cleanup of releases. You will need to deter- mine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.		
SECTION	7. HANDLING AND S	FORAGE			
Technical measures		causing an exp Provide adequa	Static electricity may accumulate and ignite suspended dust causing an explosion. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.		
Loca	l/Total ventilation		tilation is unavailable, use with local exhaust		
Advice on safe handling : Do not get on skin or clothing Do not breathe dust. Do not swallow. Avoid contact with eyes. Wash skin thoroughly after h Handle in accordance with g practice, based on the result sessment Keep container tightly closed Minimize dust generation an Keep away from heat and so Take precautionary measure Do not eat, drink or smoke w		dust. vith eyes. oughly after handling. rdance with good industrial hygiene and safety d on the results of the workplace exposure as- tightly closed. generation and accumulation.			
Hygi	ene measures	flushing system place. When using do	chemical is likely during typical use, provide eye as and safety showers close to the working not eat, drink or smoke. nated clothing before re-use.		
Cond	ditions for safe storage	 Keep in properly labelled containers. Store locked up. Keep tightly closed. Store in accordance with the particular national regulations. 			
Materials to avoid : Do not store with the following prod Strong oxidizing agents		th the following product types:			

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	
		exposure)	concentration	
17β-hydroxyestra-4,9,11-trien-	10161-34-9	TWA	0.2 µg/m3 (OEB	Internal
3-one 17-acetate			5)	
		Wipe limit	2 µg/100 cm ²	Internal
Estradiol	50-28-2	TWA	0.05 µg/m3 (OEB	Internal



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			5)	
	Further inform	nation: Skin		
		Wipe limit	0.5 µg/100 cm ²	Internal
Magnesium stearate	557-04-0	TWA	10 mg/m3	AU OEL
		nation: This value	e is for inhalable dust silica	containing no
		TWA (Inhal- able particu- late matter)	10 mg/m3	ACGIH
		TWA (Res- pirable par- ticulate mat- ter)	3 mg/m3	ACGIH

Engineering measures :	Minimize workplace exposure concentrations. Apply measures to prevent dust explosions. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are de- signed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). If sufficient ventilation is unavailable, use with local exhaust ventilation.
Personal protective equipmen	t
Respiratory protection : Filter type :	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Particulates type
Hand protection	r aniculates type
Material :	Chemical-resistant gloves
Remarks :	Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous sub- stance and specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.
Eye protection :	
Skin and body protection :	Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Colour	:	No data available
Odour	:	No data available



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	Odour 7	Threshold	:	No data available	
	рН		:	No data available	
	Melting	point/freezing point	:	No data available	
	Initial bo range	oiling point and boiling	:	No data available	
	Flash p	oint	:	Not applicable	
	Evapora	ation rate	:	No data available	
	Flamma	ability (solid, gas)	:	May form explosing dling or other mean	ve dust-air mixture during processing, han- ans.
	Flamma	ability (liquids)	:	No data available	
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
	Vapour	pressure	:	No data available	
	Relative	e vapour density	:	No data available	
	Relative	e density	:	No data available	
	Density		:	No data available	
	Solubilit Wate	ty(ies) er solubility	:	No data available	
		n coefficient: n-	:	No data available	
	octanol/ Auto-igi	/water nition temperature	:	No data available	
	Decom	position temperature	:	No data available	
	Viscosit Visc	ty osity, kinematic	:	No data available	
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance or	mixture is not classified as oxidizing.
	Molecul	lar weight	:	No data available	
	Particle	size	:	No data available	



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SECTION 10. STABILITY AND REACTIVITY

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

SECTION 11. TOXICOLOGICAL INFORMATION

Exposure routes	:	Inhalation
		Skin contact
		Ingestion
		Eye contact

Acute toxicity

Not classified based on available information.

Components:

17β-hydroxyestra-4,9,11-trien-3-one 17-acetate:

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg
		LD50 (Mouse): 2,700 mg/kg

Estradiol:

Acute oral toxicity	:	LD50 (Rat): > 2,000 mg/kg
Acute toxicity (other routes of administration)	:	LD50 (Rat): > 300 mg/kg Application Route: Subcutaneous

Magnesium stearate:

Acute oral toxicity	:	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 423 Assessment: The substance or mixture has no acute oral tox- icity Remarks: Based on data from similar materials
Acute dermal toxicity	:	LD50 (Rabbit): > 2,000 mg/kg

Remarks: Based on data from similar materials

Skin corrosion/irritation

Not classified based on available information.

Components:

Magnesium stearate:

Species : Rabbit



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Res Rem	ult narks		No skin irritationBased on data from similar materials		
Not	ous eye damage/eye classified based on ava				
	nponents: adiol: ult	: No eye irritati	on		
Spec		: Rabbit : No eye irritation : Based on data	on a from similar materials		
	piratory or skin sensi	itisation			
	sensitisation classified based on ava	ailable information.			
	piratory sensitisation classified based on ava				
<u>Con</u>	ponents:				
Expo Spec	essment	: Skin contact : Guinea pig : Does not caus : negative	se skin sensitisation.		

Magnesium stearate:

Test Type :	Maximisation Test
Exposure routes :	Skin contact
Species :	Guinea pig
Method :	OECD Test Guideline 406
Result :	negative
Remarks :	Based on data from similar materials

Chronic toxicity

Germ cell mutagenicity

Not classified based on available information.

Components:

17β-hydroxyestra-4,9,11-trien-3-one 17-acetate:

Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES)
		Test system: Salmonella typhimurium
		Result: negative

Test Type: Micronucleus test



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			Test system: Chir Result: negative	nese hamster fibroblasts		
Genotoxicity in vivo		:	Test Type: Micror Species: Mouse Result: negative	nucleus test		
			Test Type: Micror Species: Rat Result: negative	nucleus test		
	n cell mutagenicity - essment	:	Weight of evidence does not support classification as a ge cell mutagen.			
Estr	adiol:					
	otoxicity in vitro	:	Test Type: DNA c thesis in mammal Test system: man Result: positive	· · · · ·		
			Test Type: Chrom Test system: man Result: positive	nosome aberration test in vitro nmalian cells		
			Test Type: Chrom Test system: man Result: positive	nosomal aberration nmalian cells		
Gene	otoxicity in vivo	:	Test Type: Chrom Species: Rat Cell type: Bone m Result: negative	nosomal aberration narrow		
			Test Type: Chrom Species: Mouse Cell type: Bone m Result: negative			
Mag	nesium stearate:					
-	otoxicity in vitro	:	Result: negative	o mammalian cell gene mutation test on data from similar materials		
			Method: OECD To Result: negative	nosome aberration test in vitro est Guideline 473 on data from similar materials		
			Result: negative	rial reverse mutation assay (AMES) on data from similar materials		



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ersion 3	Revision Date: 04.05.2022	-	OS Number: 088-00016	Date of last issue: 23.03.2020 Date of first issue: 28.10.2014		
Carci	inogenicity					
May o	cause cancer.					
Com	ponents:					
17β-ł	nydroxyestra-4,9,11-tr	ien-3	one 17-acetate	e:		
Speci	ies	:	Mouse, male a	ind female		
	cation Route	:	Oral			
Resu		:	positive			
Targe	et Organs	:	Liver			
Speci		:	Rat, male and	female		
	cation Route	:	Oral			
Resu		:	positive			
rarge	et Organs	•	Pancreas			
Carci ment	nogenicity - Assess-	:	Limited eviden	ce of carcinogenicity in animal studies		
Estra	diol:					
Speci		:	Mouse			
	cation Route	:	Ingestion			
	sure time	:	24 Months			
LOAE Resu		÷	: 100 μg/kg : positive			
	et Organs	:	female reprodu	uctive organs		
Speed			Det			
Speci	cation Route	:	Rat Subcutaneous			
	sure time	÷	13 weeks			
LOAE		:	20 mg/kg body	v weight		
Resu		:	positive			
Targe	et Organs	:	Endocrine syst	iem		
Carci ment	nogenicity - Assess-	:	Positive evider	nce from human epidemiological studies		
Repr	oductive toxicity					
May o	damage fertility. May da	amag	e the unborn ch	ild.		
Com	ponents:					
17β-ł	nydroxyestra-4,9,11-tr	ien-3	one 17-acetate	e:		
-	ts on fertility	:	Test Type: Two	o-generation study		
			Species: Rat			
			Application Ro			
				L: 0.18 mg/kg body weight plantation loss.		
	ts on foetal develop-	:		bryo-foetal development		
ment			Species: Rat	ute: oral (feed)		
			Application Ro	I Toxicity: LOAEL: 20 mg/kg body weight		
				nations were observed.		
_						
Repro	oductive toxicity - As-	:	Some evidence	e of adverse effects on sexual function and		



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	sessment			fertility, based on animal experiments., Some evidence adverse effects on development, based on animal exp ments.	
	Estrad	lial			
	Effects on fertility		:	Species: Rat Application Route	0.5 mg/kg body weight
				Species: Rat Duration of Single	0.69 mg/kg body weight
				Test Type: Two-g Species: Mouse Application Route Fertility: LOAEL: (Result: Effects on	: Oral 0.1 mg/kg body weight
	Effects ment	on foetal develop-	:	Species: Mouse, Application Route Teratogenicity: LC Symptoms: Malfo	
				Species: Rat Application Route Teratogenicity: LC Symptoms: Reduc	DAEL: 2.5 µg/kg body weight ced body weight Embryotoxic effects and adverse effects on
				Species: Rat Application Route Developmental To Symptoms: Early number of viable Result: Embryoto	vo-foetal development :: Subcutaneous oxicity: LOAEL: 0.2 mg/kg body weight Resorptions / resorption rate, Reduced fetuses, Reduced body weight xic effects and adverse effects on the off- cted only at high maternally toxic doses
	Reproc sessm	ductive toxicity - As- ent	:	May damage ferti	lity. May damage the unborn child.
	Magne	esium stearate:			
	Effects	s on fertility	:		ined repeated dose toxicity study with the elopmental toxicity screening test :: Ingestion



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Effects ment	on foetal develop-	Result: negative Remarks: Based : Test Type: Embry Species: Rat Application Route Result: negative	est Guideline 422 on data from similar materials /o-foetal development e: Ingestion on data from similar materials

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Causes damage to organs (Liver, Bone, Blood, Endocrine system) through prolonged or repeated exposure.

Causes damage to organs (Endocrine system, Blood) through prolonged or repeated exposure if swallowed.

Components:

17β-hydroxyestra-4,9,11-trien-3-one 17-acetate:

Exposure routes Target Organs Assessment	 Ingestion Endocrine system, Blood Causes damage to organs through prolonged or repeated exposure.
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Estradiol:

Target Organs	: Liver, Bone, Blood, Endocrine system
Assessment	: Causes damage to organs through prolonged or repeated
	exposure.

Repeated dose toxicity

Components:

17β-hydroxyestra-4,9,11-trien-3-one 17-acetate:

Species NOAEL LOAEL Exposure time Target Organs		Pig 0.004 mg/kg 0.08 mg/kg 14 Weeks Testis, Ovary, Liver, Uterus (including cervix)
Species NOAEL LOAEL Application Route Exposure time Target Organs		Rat 0.04 mg/kg 3.6 mg/kg Oral 23 Weeks Blood
Species NOAEL LOAEL Application Route	:	Monkey, female 0.01 mg/kg 0.04 mg/kg Oral



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Evnos	sure time		122 Days	
	t Organs	:	female reprodu	uctive organs
Specie	es	:	Monkey, male	
NOAE		:	0.002 mg/kg	
LOAE		:	0.04 mg/kg	
	ation Route	:	Oral	
	sure time t Organs		30 Days male reproduc	tive organs
-	-			
Specie NOAE		:	Rat	
LOAE		:	0.05 mg/kg 0.1 mg/kg	
	ation Route	÷	Oral	
	sure time		3 Months	
	t Organs	:	male reproduc	tive organs, Ovary, Uterus (including cervix)
Estra	diol:			
Specie			Rat	
LOAE		÷	>= 0.17 mg/kg	
-	ation Route	:	Ingestion	
Expos	sure time	:	90 d	
Targe	t Organs	:		d, Ovary, Uterus (including cervix), Liver, Bon em, Blood, Testis
			Endocrine syst	
Magn	esium stearate:			
Specie		:	Rat	
NOAE		:	> 100 mg/kg	
	ation Route		Ingestion	
Rema	sure time rks		90 Days Based on data	from similar materials
rtonia			Dabba on dala	
-	ation toxicity			
	assified based on av			
Exper	rience with human e	exposi	ire	
<u>Comp</u>	oonents:			
17β-h	oonents: ydroxyestra-4,9,11-	trien-3		
	oonents: ydroxyestra-4,9,11-	trien-3 :		
17β-h	oonents: ydroxyestra-4,9,11- tion	trien-3 :	Symptoms: ma	
17β-h Ingest	oonents: ydroxyestra-4,9,11- tion diol:	trien-3 :	Symptoms: ma in libido	
17β-h Ingest Estra Inhala Skin c	ponents: ydroxyestra-4,9,11- tion diol: ution contact	trien-3 : :	Symptoms: ma in libido Symptoms: tin Symptoms: Sk	le reproductive effects, gynecomastia, change gling, Nose bleeding in irritation, Redness, pruritis
17β-h Ingest Estra e	ponents: ydroxyestra-4,9,11- tion diol: ution contact	trien-3 : : :	Symptoms: ma in libido Symptoms: tin Symptoms: Sk Symptoms: He	le reproductive effects, gynecomastia, change gling, Nose bleeding in irritation, Redness, pruritis adache, Gastrointestinal disturbance, Dizzi-
17β-h Ingest Estra Inhala Skin c	ponents: ydroxyestra-4,9,11- tion diol: ution contact	trien-3 : : :	Symptoms: ma in libido Symptoms: tin Symptoms: Sk Symptoms: He ness, Vomiting	le reproductive effects, gynecomastia, change gling, Nose bleeding in irritation, Redness, pruritis



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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

17β-hydroxyestra-4,9,11-trie Toxicity to fish (Chronic tox- icity)	en-3	
Estradiol:		
Toxicity to fish	:	LC50 (Oryzias latipes (Japanese medaka)): 3.9 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 2.7 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	NOEC (Pseudokirchneriella subcapitata (green algae)): 1.7 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
		EC50 (Pseudokirchneriella subcapitata (green algae)): > 1.7 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to fish (Chronic tox- icity)	:	NOEC (Oryzias latipes (Japanese medaka)): 0.000003 mg/l Exposure time: 160 d Method: OECD Test Guideline 210
Toxicity to daphnia and other aquatic invertebrates (Chron-	:	NOEC (Daphnia magna (Water flea)): 0.2 mg/l Exposure time: 21 d
ic toxicity) Toxicity to microorganisms	:	EC50: > 100 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209
		NOEC: 100 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209
Magnesium stearate: Toxicity to fish	:	LC50 (Leuciscus idus (Golden orfe)): > 100 mg/l Exposure time: 48 h Method: DIN 38412 Remarks: Based on data from similar materials



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	y to daphnia and other c invertebrates	:	 EL50 (Daphnia magna (Water flea)): > 1 mg/l Exposure time: 47 h Test substance: Water Accommodated Fraction Method: Directive 67/548/EEC, Annex V, C.2. Remarks: Based on data from similar materials No toxicity at the limit of solubility 	
Toxicit plants	Toxicity to algae/aquatic plants		mg/l Exposure time: 72 Test substance: V Method: OECD To	Vater Accommodated Fraction est Guideline 201 on data from similar materials
			mg/l Exposure time: 72 Test substance: V Method: OECD To	Vater Accommodated Fraction
Toxicit	y to microorganisms	 EC10 (Pseudomonas putida): > 100 mg/l Exposure time: 16 h Test substance: Water Accommodated Fraction Remarks: Based on data from similar materials 		6 h Vater Accommodated Fraction
Persis	tence and degradabili	ity		
Comp	onents:			
Estrad Biodeg	liol: gradability	: Result: rapidly degradable Biodegradation: 84 % Exposure time: 24 hrs		34 %
-	esium stearate: gradability	: Result: Not biodegradable Remarks: Based on data from similar materials		
Bioaco	cumulative potential			
<u>Comp</u>	onents:			
17β-hյ	/droxyestra-4,9,11-trie	en-3	-one 17-acetate:	
	on coefficient: n- I/water	:	log Pow: 3.77	
	liol: on coefficient: n- I/water	:	: log Pow: 4.01	
-	esium stearate: on coefficient: n-	:	log Pow: > 4	



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octano	ol/water			
Mobil	ity in soil			
<u>Comp</u>	oonents:			
Estra	diol:			
	oution among environ- Il compartments	:	log Koc: 3.81	
	adverse effects ta available			
SECTION	13. DISPOSAL CONSI	DER	ATIONS	
Dispo	sal methods			
Waste	e from residues minated packaging	:	Empty containers dling site for recyc	ordance with local regulations. should be taken to an approved waste han- cling or disposal. pecified: Dispose of as unused product.
SECTION	14. TRANSPORT INFO	RM	ATION	
Intorn	etional Devulations			
	ational Regulations			
UNRT UN nu Prope		:	UN 3077 ENVIRONMENTA N.O.S.	ALLY HAZARDOUS SUBSTANCE, SOLID,
Class Packir Labels	ng group	:	(Estradiol, 17β-h <u>y</u> 9 III 9	ydroxyestra-4,9,11-trien-3-one 17-acetate)
IATA- UN/ID Prope		:		nazardous substance, solid, n.o.s.
Class			(Estradiol, 17β-h 9	ydroxyestra-4,9,11-trien-3-one 17-acetate)
Packir	ng group	:	III	
Labels Packir aircraf	ng instruction (cargo	:	Miscellaneous 956	
Packir ger aiı	ng instruction (passen-	:	956	
Enviro	onmentally hazardous	:	yes	
UN nu	-Code ımber r shipping name	:	N.O.S.	ALLY HAZARDOUS SUBSTANCE, SOLID,
Class Packir Labels	ng group s	:	(Estradiol, 17β-hy 9 III 9	droxyestra-4,9,11-trien-3-one 17-acetate)
EmS (:	F-A, S-F	



(trenbolone acetate 20mg/tablet / Estradiol 2mg/tablet)

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Marine pollutant		: yes	
	port in bulk according oplicable for product as	-	RPOL 73/78 and the IBC Code
Natio	nal Regulations		
ADG UN nu Prope	imber r shipping name	N.O.S.	TALLY HAZARDOUS SUBSTANCE, SOLID, 3-hydroxyestra-4,9,11-trien-3-one 17-acetate)
Labels	ng group S hem Code	: 9 : III : 9 : 2Z	

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

Prohibition/Licensing Requirements

: There is no applicable prohibition, authorisation and restricted use requirements, including for carcinogens referred to in Schedule 10 of the model WHS Act and Regulations.

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

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

SECTION 16. OTHER INFORMATION

Further information		
Revision Date Sources of key data used to compile the Safety Data Sheet	:	16.10.2020 Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/
Date format	:	dd.mm.yyyy
Full text of other abbreviation	ons	



(trenbolone acetate 20mg/tablet / Estradiol 2mg/tablet)

Version 6.8	Revision Date: 04.05.2022	SDS Number: 26088-00016	Date of last issue: 23.03.2020 Date of first issue: 28.10.2014		
ACGIH AU OEL			 USA. ACGIH Threshold Limit Values (TLV) Australia. Workplace Exposure Standards for Airborne Con- taminants. 		
ACGIH / TWA AU OEL / TWA			8-hour, time-weighted average Exposure standard - time weighted average		

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; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Verv Persistent and Verv 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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