

/ersion 7.5	Revision Date: 16.10.2020		lumber: -00016	Date of last issue: 23.03.2020 Date of first issue: 30.09.2014	
SECTION	1. PRODUCT AND C	OMPANY	IDENTIFICA	TION	
Produ	uct name	: N	omegestrol / I	Estradiol Formulation	
Manu	facturer or supplier	s details			
Comp	bany	: O	rganon & Co.		
Addre	Address		30 Hudson Street, 33nd floor Jersey City, New Jersey, U.S.A 07302		
Telep	hone	: 55	551-430-6000		
Emer	gency telephone	: 21	215-631-6999		
E-ma	il address	: EI	HSSTEWARD	D@organon.com	
Reco	mmended use of the	e chemica	I and restrict	tions on use	
Recommended use		: Pl	narmaceutica	I	

GHS Classification		
Carcinogenicity	:	Category 1A
Reproductive toxicity	:	Category 1A
Specific target organ toxicity - repeated exposure	:	Category 1 (Liver, Bone, Blood, Endocrine system)
Short-term (acute) aquatic hazard	:	Category 3
Long-term (chronic) aquatic hazard	:	Category 1
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, Endocrine system) through prolonged or repeated exposure. H402 Harmful to aquatic life. H410 Very toxic to aquatic life with long lasting effects.



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Preca	autionary Statements	P202 Do not and understo P260 Do not P264 Wash s P270 Do not P273 Avoid re	breathe dust. kin thoroughly after handling. eat, drink or smoke when using this product. elease to the environment. rotective gloves/ protective clothing/ eye protec-
		Response: P308 + P313 attention. P391 Collect	IF exposed or concerned: Get medical advice/ spillage.
		Storage: P405 Store Ic	ocked up.
		Disposal: P501 Dispose disposal plan	e of contents/ container to an approved waste t.
Othe	r hazards which do n	ot result in classific	ation
Dust Conta	contact with the eyes c act with dust can cause	an lead to mechanication	al irritation.

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Cellulose	9004-34-6	>= 10 -< 20
Estradiol	50-28-2	>= 2,5 -< 5
17-Hydroxy-6-methyl-19-norpregna-4,6-diene-	58652-20-3	>= 1 -< 2,5
3,20-dione 17-acetate		
Talc	14807-96-6	>= 1 -< 5
Titanium dioxide	13463-67-7	>= 0,1 -< 1

SECTION 4. FIRST AID MEASURES

General advice	In the case of accident or if you feel unwell, seek medic advice immediately. When symptoms persist or in all cases of doubt seek m 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 of water. Remove contaminated clothing and shoes.	l plenty



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se of eye contact	Wash clothing Thoroughly cl : If in eyes, rins	ttention. 9 before reuse. ean shoes before reuse. 9 well with water. 1ttention if irritation develops and persists.			
llowed	: If swallowed, Get medical a	 If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water. 			
important symptoms ffects, both acute and ed	: May cause ca May damage Causes dama exposure. Contact with o	• •			
ction of first-aiders	Dust contact v First Aid respondent and use the re when the pote	with the eyes can lead to mechanical irritation. onders should pay attention to self-protection, ecommended personal protective equipment ential for exposure exists (see section 8). matically and supportively.			
	16.10.2020	16.10.202017201-00016Get medical a Wash clothing Thoroughly clse of eye contact:Ilowed:Ilowed:important symptoms ffects, both acute and ed:May cause ca causes dama exposure. Contact with o the skin. Dust contact vction of first-aiders:First Aid respo and use the re when the pote			

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
Specific hazards during fire fighting	:	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides Nitrogen oxides (NOx)
Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment for fire-fighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective 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 protective 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



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	ds and materials for nment and cleaning up	:	container for disp Avoid dispersal o with compressed Dust deposits sho surfaces, as thes released into the Local or national disposal of this m employed in the o determine which Sections 13 and	uum up spillage and collect in suitable osal. f 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 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. Minimize dust generation and accumulation. Keep container closed when not in use. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the 	
Conditions for safe storage	environment. Keep in properly labeled containers. Store locked up. Keep tightly closed. Store in accordance with the particular national regulations.	
Materials to avoid	Do not store with the following product types: Strong oxidizing agents Organic peroxides Explosives Gases	

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters



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Components	CAS-No.	Value type	Control parame-	Basis
Components	0.00-110.	(Form of	ters / Permissible	Dasis
		exposure)	concentration	
Cellulose	9004-34-6	CMP	10 mg/m ³	AR OEL
		mation: Irritation	To mg/m	/IT OLL
		TWA	10 mg/m ³	ACGIH
Estradiol	50-28-2	TWA	0.05 µg/m3 (OEB	Internal
	00 20 2		5)	internal
	Further infor	mation: Skin		•
		Wipe limit	0.5 µg/100 cm ²	Internal
17-Hydroxy-6-methyl-19- norpregna-4,6-diene-3,20- dione 17-acetate	58652-20-3	TŴA	0,2 µg/m³	Internal
		Wipe limit	2 µg/100 cm ²	Internal
Talc	14807-96-6	CMP (Res-	2 mg/m ³	AR OEL
		pirable frac-		
	<u> </u>	tion)	o io for porticulato mo	ttor contain
		and < 1% crysta	e is for particulate ma lline silica, lung	itter contain
			2 mg/m ³	ACGIH
		(Respirable	2 mg/m	//00///
		particulate		
		, matter)		
Titanium dioxide	13463-67-7	CMP	10 mg/m ³	AR OEL
	Further infor lung	mation: A4 - Not	classifiable as a hum	an carcinog
		TWA	10 mg/m ³ (Titanium dioxide)	ACGIH
Engineering measures	Apply meas Ensure that dust collect designed in work area (sures to prevent of dust-handling sy ors, vessels, and a manner to pre i.e., there is no le	e concentrations. dust explosions. vstems (such as exhau processing equipmer vent the escape of du eakage from the equip vailable, use with loca	nt) are st into the ment).
Personal protective equip	oment			
Respiratory protection	: If adequate exposure a	ssessment demo	ntilation is not availab nstrates exposures ou	utside the
Filter type Hand protection	: Particulates		se respiratory protecti	on.
Material	: Chemical-re	esistant gloves		
Remarks	on the cond time is not of For special resistance t	entration specific determined for th applications, we to chemicals of th	nds against chemicals to place of work. Bre e product. Change glo recommend clarifying le aforementioned pro acturer. Wash hands	eakthrough oves often! the otective



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Eye p	rotection	: Wear the follow Safety goggles	ving personal protective equipment:
	and body protection	 Select appropr resistance data potential. Skin contact m clothing (glove If exposure to a eye flushing sy working place. When using do 	iate protective clothing based on chemical a and an assessment of the local exposure ust be avoided by using impervious protective s, aprons, boots, etc). chemical is likely during typical use, provide stems and safety showers close to the o not eat, drink or smoke. hated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Color	:	white
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	:	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
Relative vapor density	:	No data available
Relative density	:	No data available
Density	:	1 g/cm ³
Solubility(ies) Water solubility	:	No data available

SAFETY DATA SHEET



Nomegestrol / Estradiol Formulation

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octano Autoig Decon Viscos Vis Vis	scosity, dynamic	 No data a 	vailable vailable vailable vailable
Oxidiz Molec	Explosive properties Oxidizing properties Molecular weight Particle size		sive tance or mixture is not classified as oxidizing. wailable wailable

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 proces handling or other means. Can react with strong oxidizing agents.	ssing,
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

Information on likely routes of exposure	:	Inhalation Skin contact Ingestion Eye contact
Acute toxicity		
Not classified based on availa	ble	information.
Product:		
Acute oral toxicity	:	Acute toxicity estimate: > 5.000 mg/kg Method: Calculation method
Components:		
Cellulose:		
Acute oral toxicity	:	LD50 (Rat): > 5.000 mg/kg



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Acute inhalation toxicity		:	Exposure time: 4	LC50 (Rat): > 5,8 mg/l Exposure time: 4 h Test atmosphere: dust/mist		
Acute	e dermal toxicity	:	LD50 (Rabbit): > 2	2.000 mg/kg		
Estra	diol:					
Acute	oral toxicity	:	LD50 (Rat): > 2.00	00 mg/kg		
	toxicity (other routes of nistration)	:	LD50 (Rat): > 300 Application Route			
17-Hy	/droxy-6-methyl-19-nor	pre	gna-4,6-diene-3,2	0-dione 17-acetate:		
Acute	oral toxicity	:	LD50 (Rat): > 2.00	00 mg/kg		
			LD50 (Mouse): > 2	2.000 mg/kg		
	e toxicity (other routes of histration)	:	LD50 (Rat): > 2.00 Application Route			
Talc:						
Acute	e oral toxicity	:	LD50 (Rat): > 5.00 Remarks: Based o	00 mg/kg on data from similar materials		
Titan	ium dioxide:					
Acute	oral toxicity	:	LD50 (Rat): > 5.0	00 mg/kg		
Acute	inhalation toxicity	:	LC50 (Rat): > 6,82 Exposure time: 4 Test atmosphere: Assessment: The tion toxicity	h		

Not classified based on available information.

Components:

Talc:		
Species	:	Rabbit
Result	:	No skin irritation

Titanium dioxide:

Species	:	Rabbit
Result	:	No skin irritation

Serious eye damage/eye irritation

Not classified based on available information.



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Com	oonents:		
Estra	diol:		
Resul		: No eye irritati	on
Talc:			
Speci Resul		: Rabbit : No eye irritati	on
Titani	ium dioxide:		
Speci Resul		: Rabbit : No eye irritati	on
Resp	iratory or skin sensi	tization	
-	sensitization assified based on ava	ailable information.	
-	iratory sensitization assified based on ava		
<u>Com</u>	oonents:		
Estra	diol:		
Speci	ssment	: Skin contact : Guinea pig : Does not cau : negative	se skin sensitization.
Talc:			
Route Speci Resul		: Skin contact : Humans : negative	
Titani	ium dioxide:		
Test			node assay (LLNA)
	es of exposure	: Skin contact	
Speci Resul		: Mouse : negative	
Germ	cell mutagenicity		
Not cl	assified based on ava	ailable information.	
<u>Comp</u>	oonents:		
Cellu			
Geno	toxicity in vitro	: Test Type: Ba Result: negat	acterial reverse mutation assay (AMES) ive
		Test Type: In Result: negat	vitro mammalian cell gene mutation test ive



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	Genotoxicity in vivo		:	Test Type: Mamm cytogenetic assay Species: Mouse Application Route Result: negative	, ,
	Estrad	iol:			
	Genoto	xicity 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
	Genoto	xicity in vivo	:	Test Type: Chrom Species: Rat Cell type: Bone m Result: negative	nosomal aberration arrow
				Test Type: Chrom Species: Mouse Cell type: Bone m Result: negative	nosomal aberration arrow
	17-Hyd	lroxy-6-methyl-19-nc	orpre	gna-4,6-diene-3,2	0-dione 17-acetate:
	Genoto	xicity in vitro	:	Test Type: Ames Result: negative	test
				Test Type: Chrom Result: negative	nosome aberration test in vitro
				Test Type: DNA c thesis in mammal Result: negative	lamage and repair, unscheduled DNA syn- ian cells (in vitro)
				Test Type: In vitro Result: negative	o mammalian cell gene mutation test
	Genoto	xicity in vivo	:	Test Type: In vivo Species: Rat Application Route Result: negative	micronucleus test : Oral
				Test Type: In vivo Species: Mouse Application Route Result: negative	micronucleus test : Oral



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Talc:			
	oxicity in vitro		damage and repair, unscheduled DNA synalian cells (in vitro) elian cells (in vitro)
Genoto	oxicity in vivo	: Test Type: Chro Species: Rat Application Rou Result: negative	
Titaniu	ım dioxide:		
Genoto	oxicity in vitro	: Test Type: Bac Result: negative	erial reverse mutation assay (AMES)
Genoto	oxicity in vivo	: Test Type: In vi Species: Mouse Result: negative	
	ogenicity luse cancer.		
-	onents:		
Cellulo	ose:		
	s ation Route ure time	: Rat : Ingestion : 72 weeks : negative	
Estrad	iol:		
Specie Applica Exposu LOAEL Result	s ation Route ure time	: Mouse : Ingestion : 24 Months : 100 μg/kg : positive : female reprodu	ctive organs
Exposi LOAEL Result	ation Route ure time	: Rat : Subcutaneous : 13 weeks : 20 mg/kg body : positive : Endocrine syste	C C C C C C C C C C C C C C C C C C C
Carcino ment	ogenicity - Assess-	: Positive eviden	ce from human epidemiological studies
17-Hyc	lroxy-6-methyl-19-	norpregna-4,6-diene-3	,20-dione 17-acetate:
Specie		: Rat	
	ation Route	: oral (feed)	
	duration	: 52 Weeks	
Activity	uuralion	: 10 mg/kg body	waiaht



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Result	ation Route	:	Mouse oral (feed) 20 mg/kg body positive Mammary gland	weight I, Pituitary gland	
Carcir ment	nogenicity - Assess-	:	: Weight of evidence does not support classification as a cinogen		
	ation Route sure time	::	Mouse inhalation (dust/ 2 Years negative	/mist/fume)	
Specie Applic	ation Route sure time d t		Rat inhalation (dust 2 Years OECD Test Gui positive The mechanism mans.		
Carcir ment	nogenicity - Assess-	:	Limited evidenc animals.	e of carcinogenicity in inhalation studies with	
May d	oductive toxicity lamage fertility. May dar ponents:	nag	e the unborn chil	d.	
	s on fertility	:	Test Type: One Species: Rat Application Rou Result: negative		
Effects	s on fetal development	:	Test Type: Ferti Species: Rat Application Rou Result: negative		
Estrac Effects	diol: s on fertility	:	Species: Rat Application Rou Fertility: LOAEL Result: Effects o	: 0,5 mg/kg body weight	



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				le Treatment: 90 d 0,69 mg/kg body weight n fertility.
			Species: Mouse Application Rout	te: Oral : 0,1 mg/kg body weight
Effect	s on fetal development	:	Species: Mouse Application Rout Teratogenicity: L Symptoms: Malf	ryo-fetal development , female e: Subcutaneous OAEL: 4 mg/kg body weight ormations were observed. Teratogenic effects.
			Species: Rat Application Rout Teratogenicity: L Symptoms: Red	generation reproduction toxicity study e: Subcutaneous OAEL: 2,5 μg/kg body weight uced body weight Embryotoxic effects and adverse effects on re detected.
			Species: Rat Application Rout Developmental Symptoms: Early number of viable Result: Embryot	ryo-fetal development e: Subcutaneous Foxicity: LOAEL: 0,2 mg/kg body weight y Resorptions / resorption rate., Reduced e fetuses., Reduced body weight oxic effects and adverse effects on the etected only at high maternally toxic doses
Repro sessn	oductive toxicity - As- nent	:	May damage fer	tility. May damage the unborn child.
17-Hy	droxy-6-methyl-19-noi	rpre	gna-4,6-diene-3,	20-dione 17-acetate:
Effect	s on fetal development	:	Test Type: Deve Species: Rat Application Rout Result: negative	e: Oral
			Species: Rabbit Application Rout	ryo-fetal development e: Oral , No teratogenic effects.
Repro sessn	oductive toxicity - As- nent	:		e of adverse effects on sexual function and nan epidemiological studies.
Talc:				



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		Application Result: neg	Route: Ingestion ative
стот	-single exposure		
Not cl	assified based on av	ailable information.	
STOT	-repeated exposure)	
Cause expos		(Liver, Bone, Blood	d, Endocrine system) through prolonged or repea
<u>Comp</u>	oonents:		
Estra	diol:		
	t Organs ssment		e, Blood, Endocrine system mage to organs through prolonged or repeated
Repe	ated dose toxicity		
Com	oonents:		
Cellu	lose:		
Speci		: Rat	
NOAE		: >= 9.000 m	ıg/kg
	cation Route sure time	: Ingestion : 90 Days	
Estra	diol:		
Speci	es	: Rat	
LÖAE		: >= 0,17 mg	ı/kg
	cation Route	: Ingestion	
	sure time	: 90 d	
large	et Organs		gland, Ovary, Uterus (including cervix), Liver, Bor system, Blood, Testis
17-Hy	/droxy-6-methyl-19-	norpregna-4,6-die	ne-3,20-dione 17-acetate:
Speci	es	: Mouse	
NOAE		: 20 mg/kg	
	cation Route	: Oral	
Expos	sure time	: 52 Weeks	
Speci		: Rat	
NOAE		: 20 mg/kg	
	cation Route sure time	: Oral : 52 Weeks	
Titani	ium dioxide:		
Speci		: Rat	
NOAE		: 24.000 mg/	kq
-	cation Route	: Ingestion	
	sure time	: 28 Days	



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۲ 4	Species NOAEL Application Route Exposure time		:	Rat 10 mg/m³ inhalation (dust/mist/fume) 2 y			
	Aspiration toxicity Not classified based on available information.						
	-	ence with human exp	osu	re			
E 	Compo Estradi nhalati Skin co ngestic	on ntact	:	Symptoms: Heada ness, Vomiting, D	g, Nose bleeding rritation, Redness, pruritis ache, Gastrointestinal disturbance, Dizzi- iarrhea, water retention, liver function in libido, breast tenderness, menstrual irreg-		
	17-Hyd ngestic	roxy-6-methyl-19-nor on	pre :	Symptoms: acne, breast tenderness	D-dione 17-acetate: amenorhea, Headache, Dizziness, Nausea, s, changes in libido, insomnia, musculoskele- ings, muscle pain, muscle twitching		
	Ecotox Compo	icity ments:					
C	Cellulo	se:					
Т	Foxicity	to fish	:	Exposure time: 48	pes (Japanese medaka)): > 100 mg/l 3 h on data from similar materials		
E	Estradi	ol:					
Г	Toxicity	to fish	:	LC50 (Oryzias lati Exposure time: 96	pes (Japanese medaka)): 3,9 mg/l 5 h		
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): 2,7 mg/l 3 h		
	Toxicity plants	to algae/aquatic	:	NOEC (Pseudokir mg/l Exposure time: 72 Method: OECD Te			
				EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD Te			
Г	Foxicity	to fish (Chronic tox-	:	NOEC (Oryzias la	tipes (Japanese medaka)): 0,000003 mg/l		



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	icity)			Exposure time: 16 Method: OECD Te	
		to daphnia and other invertebrates (Chron-	:	NOEC (Daphnia r Exposure time: 21	nagna (Water flea)): 0,2 mg/l I d
	M-Facto	or (Chronic aquatic	:	1.000	
	toxicity) Toxicity to microorganisms		:	EC50: > 100 mg/l Exposure time: 3 Test Type: Respir Method: OECD Te	h ation inhibition
				NOEC: 100 mg/l Exposure time: 3 Test Type: Respir Method: OECD Te	ation inhibition
	17-Hyd	roxy-6-methyl-19-nor	pre	gna-4,6-diene-3,2	0-dione 17-acetate:
	Toxicity plants	to algae/aquatic	:	EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD Te	
				NOEC (Pseudokir mg/l Exposure time: 72 Method: OECD Te	
	Toxicity icity)	to fish (Chronic tox-	:	NOEC (Zebrafish) Exposure time: 27	
		to daphnia and other invertebrates (Chron- ty)	:	Exposure time: 21 Method: OECD Te	
		or (Chronic aquatic	:	10	
	toxicity) Toxicity	to microorganisms	:	EC50 (Natural mid Exposure time: 3 Test Type: Respir Method: OECD Te	ation inhibition
				Exposure time: 3 Test Type: Respir Method: OECD Te	ation inhibition
	Talc:				
	Toxicity	to fish	:	LC50 (Brachydan Exposure time: 24	io rerio (zebrafish)): > 100.000 mg/l l h



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Titani	ium dioxide:			
	ity to fish	:	Exposure time: 9	chus mykiss (rainbow trout)): > 100 mg/l 5 h est Guideline 203
	Toxicity to daphnia and other aquatic invertebrates		EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h	
Toxici plants	ity to algae/aquatic	:	EC50 (Skeletone Exposure time: 72	ma costatum (marine diatom)): > 10.000 mg 2 h
Toxici	ity to microorganisms	:	EC50: > 1.000 m Exposure time: 3 Method: OECD T	
Persi	stence and degradabil	lity		
Comp	oonents:			
Cellu	lose:			
Biode	gradability	:	Result: Readily b	odegradable.
Estra	diol:			
Biode	gradability	:	Result: rapidly de Biodegradation: Exposure time: 24	84 %
Bioac	cumulative potential			
Comp	oonents:			
Estra	diol:			
	on coefficient: n- ol/water	:	log Pow: 4,01	
17-Hy	droxy-6-methyl-19-no	rpre	-	
Bioac	cumulation	:	Species: Zebrafis Bioconcentration	
	on coefficient: n- ol/water	:	log Pow: 3,7	
Mobil	lity in soil			
Comp	oonents:			
	oution among environ-	:	log Koc: 3,81	
	al compartments			0 diana 17 agostatos
-	<pre>/droxy-6-methyl-19-no pution among environ-</pre>	rpre :	gna-4,6-diene-3,2 log Koc: 3,35	v-cione 17-acetate:
	al compartments	•		est Guideline 106



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	adverse effects ta available			
ECTION	13. DISPOSAL CONSI	DEF	ATIONS	
Dispo	sal methods			
	Vaste from residues:Dispose of in accordance with local regulationsContaminated packaging:Empty containers should be taken to an appro- handling site for recycling or disposal.If not otherwise specified: Dispose of as unuse		ers should be taken to an approved waste or recycling or disposal.	
ECTION	14. TRANSPORT INFO	RM	ATION	
Intern	ational Regulations			
UNRT				
UN nu Prope	ımber r shipping name	:	N.O.S. (Estradiol, 17-	ITALLY HAZARDOUS SUBSTANCE, SOLID, Hydroxy-6-methyl-19-norpregna-4,6-diene-
Class Packir Labels	ng group S	:	3,20-dione 17- 9 III 9	acetate)
IATA- UN/ID Prope		:		ly hazardous substance, solid, n.o.s. Hydroxy-6-methyl-19-norpregna-4,6-diene- acetate)
Class		:	9	,
Labels	ng instruction (cargo	:	III Miscellaneous 956	
Packir ger aiı	ng instruction (passen-	:	956	
	onmentally hazardous	:	yes	
UN nu	-Code ımber r shipping name	:	N.O.S. (Estradiol, 17-I	ITALLY HAZARDOUS SUBSTANCE, SOLID, Hydroxy-6-methyl-19-norpregna-4,6-diene-3,2
Labels EmS (: 9 : F-A, S-F		

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

Not applicable for product as supplied.



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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							
Argentina. Carcinogenic Sul Registry.	ostances and Agents	: Not applicable					
Control of precursors and essential chemicals for the : Not applicable preparation of drugs.							
International Regulations							
The ingredients of this product are reported in the following inventories:							
The ingredients of this pro	oduct are reported in the	following inventories:					
The ingredients of this pro AICS	educt are reported in the : not determined	following inventories:					
•	•	following inventories:					

SECTION 16. OTHER INFORMATION

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 Chemi-



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cal 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 - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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