

Versi 5.0	on	Revision Date: 06.04.2024		DS Number: 239-00024	Date of last issue: 26.09.2023 Date of first issue: 30.09.2014		
SEC	SECTION 1: Identification of the substance/mixture and of the company/undertaking						
1.1 P	roduct	identifier					
-	Trade r	name	:	Nomegestrol / Estradiol Formulation			
1.2 R	elevan	t identified uses of t	he s	ubstance or mixtu	ure and uses advised against		
Use of the Sub- stance/Mixture		:	Pharmaceutical				
-	Recom on use	mended restrictions	:	Not applicable			
1.3 D	1.3 Details of the supplier of the safety data sheet						
(Compa	ny	:	Organon & Co. 30 Hudson Street 07302 Jersey Cit	, 33nd floor y, New Jersey, U.S.A		
-	Telepho	one	:	+1-551-430-6000			
		address of person sible for the SDS	:	EHSSTEWARD@	organon.com		
1.4 E	1.4 Emergency telephone number						

+1-215-631-6999

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Carcinogenicity, Category 1A Reproductive toxicity, Category 1A

Specific target organ toxicity - repeated exposure, Category 1 Long-term (chronic) aquatic hazard, Category 1 H350: May cause cancer.
H360FD: May damage fertility. May damage the unborn child.
H372: Causes damage to organs through prolonged or repeated exposure.
H410: Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

1

2

Hazard pictograms



Signal word

Hazard statements

H350 May cause cancer.



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		peated exposur	May damage fertility. May damage the unborn damage to organs through prolonged or re- e. kic to aquatic life with long lasting effects.	
Precautionary statements		P260 Do not l P273 Avoid re	a special instructions before use. t breathe dust. release to the environment. protective gloves/ protective clothing/ eye protec- action.	
		Response: P308 + P313 attention. P391 Collect	IF exposed or concerned: Get medical advice/ spillage.	

Hazardous components which must be listed on the label:

Estradiol

17-Hydroxy-6-methyl-19-norpregna-4,6-diene-3,20-dione 17-acetate

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Estradiol	50-28-2 200-023-8	Carc. 1A; H350 Repr. 1A; H360FD STOT RE 1; H372 (Liver, Bone, Blood, Endocrine system) Aquatic Chronic 1; H410 M-Factor (Chronic aquatic toxicity): 1.000	>= 2,5 - < 10
17-Hydroxy-6-methyl-19-norpregna-	58652-20-3	Repr. 1A; H360F	>= 1 - < 2,5
4,6-diene-3,20-dione 17-acetate	261-379-8	Aquatic Chronic 1;	



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			H410 M-Factor (Chronic	
			aquatic toxicity): 10	

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

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.
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).
If inhaled, remove to fresh air. Get medical attention.
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.
If in eyes, rinse well with water. Get medical attention if irritation develops and persists.
If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.
effects, both acute and delayed
May cause cancer. May damage fertility. May damage the unborn child. Causes damage to organs through prolonged or repeated exposure.
Contact with dust can cause mechanical irritation or drying of the skin. Dust contact with the eyes can lead to mechanical irritation.
dical attention and special treatment needed
Treat symptomatically and supportively.



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SECTIO	N 5: Firefighting meas	sur	es	
5.1 Extin	guishing media			
Suita	able extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (C Dry chemical	
Unsı med	uitable extinguishing ia	:	None known.	
5.2 Spec	ial hazards arising from	the	substance or mi	xture
Spec fighti	cific hazards during fire- ing	:	concentrations, a 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.
Haza ucts	ardous combustion prod-	:	Carbon oxides Nitrogen oxides (l	NOx)
5.3 Advid	e for firefighters			
	cial protective equipment refighters	:		e, wear self-contained breathing apparatus. tective equipment.
Spec ods	cific extinguishing meth-	:	cumstances and t Use water spray t	g measures that are appropriate to local cir- the surrounding environment. to cool unopened containers. ged containers from fire area if it is safe to do

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
6.2 Environmental precautions 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.

6.3 Methods and material for containment and cleaning up

Methods for 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).



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		es, as these n leased into the Local or nation posal of this n employed in th mine which re Sections 13 a	should not be allowed to accumulate on surfac- nay form an explosive mixture if they are re- e atmosphere in sufficient concentration. In regulations may apply to releases and dis- naterial, as well as those materials and items ne cleanup of releases. You will need to deter- gulations are applicable. Ind 15 of this SDS provide information regarding r national requirements.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

7.1 Precautions for safe handling

	1
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 environment.
Hygiene measures	: If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.
7.2 Conditions for safe storage, i	ncluding any incompatibilities
Requirements for storage areas and containers	: Keep in properly labelled containers. Store locked up. Keep tightly closed. Store in accordance with the particular national regulations.
Advice on common storage	 Do not store with the following product types: Strong oxidizing agents Self-reactive substances and mixtures Organic peroxides Explosives Gases



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7.3 Specific end use(s)

Specific use(s)

: No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis			
Cellulose	9004-34-6	OEL-RL	10 mg/m3	ZA OEL			
	Further inform	nation: Occupational	Exposure Limits - Restricted	d Limits For			
	Hazardous Cl	nemical Agents					
Estradiol	50-28-2	TWA	0.05 μg/m3 (OEB 5)	Internal			
	Further inform	nation: 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	TWA	0,2 µg/m3	Internal			
		Wipe limit	2 µg/100 cm ²	Internal			
Talc	14807-96-6	OEL-RL (respira- ble dust fraction)	4 mg/m3	ZA OEL			
	Further information: Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents						

8.2 Exposure controls

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 designed 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 equipment

Eye/face protection	:	Wear the following personal protective equipment: Safety goggles
Hand protection		
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



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Skin	and body protection		ay. riate protective clothing based on chemical re- and an assessment of the local exposure poten-
	iratory protection	clothing (glove : If adequate lo sure assessm ommended gu	nust be avoided by using impervious protective es, aprons, boots, etc). cal exhaust ventilation is not available or expo- ent demonstrates exposures outside the rec- uidelines, use respiratory protection.
Fi	lter type	: Particulates ty	vpe (P)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance Colour Odour	:	powder white odourless
Odour 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, han- dling or other means.
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	1 g/cm ³
Solubility(ies) Water solubility Partition coefficient: n- octanol/water	:	No data available No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available

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Viscosity Viscosity, dynamic Viscosity, kinematic Explosive properties		: No c	data available data available explosive	-
Oxidizing properties		: The	substance o	r mixture is not classified as oxidizing.
9.2 Other information Flammability (liquids) Molecular weight Particle size		: No c	lata available lata available lata available	e

SECTION 10: Stability and reactivity

10.1 Reactivity Not classified as a reactivity hazard. 10.2 Chemical stability Stable under normal conditions. 10.3 Possibility of hazardous reactions Hazardous reactions M dl

: May form explosive dust-air mixture during processing, handling or other means. Can react with strong oxidizing agents.

10.4 Conditions to avoid

Conditions to avoid

: Heat, flames and sparks. Avoid dust formation.

10.5 Incompatible materials

Materials to avoid : Oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

Acute toxicity

Not classified based on available information.



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<u>Comp</u>	oonents:			
Estra	diol:			
Acute	oral toxicity	:	LD50 (Rat): > 2.00	00 mg/kg
	toxicity (other routes of istration)	:	LD50 (Rat): > 300 Application Route	
	droxy-6-methyl-19-nor	pre	-	
Acute	oral toxicity	:	LD50 (Rat): > 2.00	00 mg/kg
			LD50 (Mouse): > 2	2.000 mg/kg
	toxicity (other routes of istration)	:	LD50 (Rat): > 2.00 Application Route	
	corrosion/irritation assified based on availa	ble	information.	
	us eye damage/eye irri			
	assified based on availa	ble	information.	
Comp	onents:			
Estra			NI	
Resul	t		No eye irritation	
Respi	ratory or skin sensitis	atio	n	
_	sensitisation assified based on availa	ble	information.	
-	ratory sensitisation assified based on availa	ble	information.	
Comp	onents:			
Estra	diol:			
	sure routes	:	Skin contact	
Speci Asses	es sment	÷	Guinea pig Does not cause sl	kin sensitisation.
Resul		:	negative	
	cell mutagenicity assified based on availa	ble	information.	
	oonents:			
Fetra			Test Type: DNA d	amage and repair, unscheduled DNA syn-
Estra Genot	oxicity in vitro		thesis in mammal Test system: man Result: positive	



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		Test Type: Chromosome aberration test in vitro Test system: mammalian cells Result: positive
		Test Type: Chromosomal aberration Test system: mammalian cells Result: positive
Gen	otoxicity in vivo	: Test Type: Chromosomal aberration Species: Rat Cell type: Bone marrow Result: negative
		Test Type: Chromosomal aberration Species: Mouse Cell type: Bone marrow Result: negative
II 17-F	lydroxy-6-methyl-19-r	norpregna-4,6-diene-3,20-dione 17-acetate:
Gen	otoxicity in vitro	: Test Type: Ames test Result: negative
		Test Type: Chromosome aberration test in vitro Result: negative
		Test Type: DNA damage and repair, unscheduled DNA syn- thesis in mammalian cells (in vitro) Result: negative
		Test Type: In vitro mammalian cell gene mutation test Result: negative
Gen	otoxicity in vivo	: Test Type: In vivo micronucleus test Species: Rat Application Route: Oral Result: negative
		Test Type: In vivo micronucleus test Species: Mouse Application Route: Oral Result: negative
	cinogenicity cause cancer.	
<u>Con</u>	nponents:	
Estr	adiol:	
Spe		: Mouse
	lication Route osure time	: Ingestion : 24 Months
LOA	EL	: 100 μg/kg
Res Tarç	ult get Organs	: positive : female reproductive organs



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Expos LOAE Resul	cation Route sure time L	: 13 wee : 20 mg/ : positive	/kg body weight
Carcir ment	nogenicity - Assess-	: Positiv	e evidence from human epidemiological studies
Speci		r pregna-4,6 : Rat : oral (fe	6-diene-3,20-dione 17-acetate:
Activit	ty duration	: 52 We : 10 mg/ : negativ	/kg body weight
Resul	cation Route	: positive	eed) /kg body weight
Carcir ment	nogenicity - Assess-	: Weight cinoge	t of evidence does not support classification as a car- n
May c	oductive toxicity damage fertility. May da ponents:	mage the un	ıborn child.
Estra			
Effect	s on fertility	Specie Applica Fertility	ype: One-generation reproduction toxicity study es: Rat ation Route: Ingestion y: LOAEL: 0,5 mg/kg body weight :: Effects on fertility
		Specie Duratic Fertility	ype: One-generation reproduction toxicity study es: Rat on of Single Treatment: 90 d y: LOAEL: 0,69 mg/kg body weight : Effects on fertility
		Specie Applica Fertility	ype: Two-generation study es: Mouse ation Route: Oral y: LOAEL: 0,1 mg/kg body weight : Effects on fertility
Effect ment	s on foetal develop-	Specie Applica	ype: Embryo-foetal development es: Mouse, female ation Route: Subcutaneous genicity: LOAEL: 4 mg/kg body weight



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				rmations were observed. Feratogenic effects
			Species: Rat Application Route Teratogenicity: LC Symptoms: Redu	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 e: 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
	roductive toxicity - As- sment	:	May damage ferti	lity. May damage the unborn child.
17-H	lydroxy-6-methyl-19-no	orpre	gna-4,6-diene-3,2	0-dione 17-acetate:
Effe mer	cts on foetal develop- It	:	Test Type: Develor Species: Rat Application Route Result: negative	
			Species: Rabbit Application Route	vo-foetal development e: Oral No teratogenic effects
	roductive toxicity - As- sment	:		e of adverse effects on sexual function and an epidemiological studies.
STC)T - single exposure			
	classified based on avail	able	information.	
STC	T - repeated exposure			
Cau	ses damage to organs th	roug	h prolonged or rep	eated exposure.
<u>Con</u>	nponents:			
Estr	adiol:			
	get Organs essment	:		d, Endocrine system to organs through prolonged or repeated
Rep	eated dose toxicity			
<u>Con</u>	nponents:			
Estr	adiol:			

plants



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Expo		: > : In : 90 : M		, Ovary, Uterus (including cervix), Liver, Bone, m, Blood, Testis
17-H	ydroxy-6-methyl-19-no	rpregn	a-4,6-diene-3,	20-dione 17-acetate:
Spec NOA Appli	ies	: M : 20 : O	ouse) mg/kg ral 2 Weeks	
		: 0	at) mg/kg ral 2 Weeks	
Not c	ration toxicity classified based on availa erience with human exp		ormation.	
<u>Com</u>	ponents:			
Inhal	contact	: S : S ne cł	ymptoms: Skin ymptoms: Hea ess, Vomiting,	ing, Nose bleeding irritation, Redness, pruritis dache, Gastrointestinal disturbance, Dizzi- Diarrhoea, water retention, liver function s in libido, breast tenderness, menstrual irreg-
17-H	ydroxy-6-methyl-19-no	rpregn	a-4,6-diene-3,	20-dione 17-acetate:
Inges	stion	bi	east tendernes	e, amenorhea, Headache, Dizziness, Nausea, ss, changes in libido, insomnia, musculoskele- wings, muscle pain, muscle twitching
SECTIO	N 12: Ecological infor	matio	'n	
12.1 Toxi	city			
	ponents:			
	adiol: sity to fish		C50 (Oryzias la xposure time: §	atipes (Japanese medaka)): 3,9 mg/l 96 h
	city to daphnia and other tic invertebrates		C50 (Daphnia xposure time: 4	magna (Water flea)): 2,7 mg/l 48 h
Toxic	city to algae/aquatic		OEC (Pseudok	kirchneriella subcapitata (green algae)): 1,7

Exposure time: 72 h

mg/l



ersion Revision Date: 0 06.04.2024		Number: 89-00024	Date of last issue: 26.09.2023 Date of first issue: 30.09.2014
	E r E	EC50 (Pseudol ng/l Exposure time:	9 Test Guideline 201 kirchneriella subcapitata (green algae)): > 1,7 72 h 9 Test Guideline 201
Toxicity to microorganisr	E		
	E		
Toxicity to fish (Chronic t icity)	E		5
Toxicity to daphnia and c aquatic invertebrates (Ch ic toxicity)	nron- E	NOEC: 0,2 mg/ Exposure time: Species: Daphi	
M-Factor (Chronic aquat toxicity)	ic : 1	.000	
17-Hydroxy-6-methyl-1	9-norpreg	na-4,6-diene-3	3,20-dione 17-acetate:
Toxicity to algae/aquatic plants	r E	ng/l Exposure time:	kirchneriella subcapitata (green algae)): > 3,07 72 h 9 Test Guideline 201
	r E	ng/l Exposure time:	okirchneriella subcapitata (green algae)): 0,69 72 h 9 Test Guideline 201
Toxicity to microorganisr	E	Exposure time: Test Type: Res	microorganism): > 2,8 mg/l 3 h spiration inhibition 9 Test Guideline 209
	E T N	Exposure time: Fest Type: Res Aethod: OECD	l microorganism): 2,8 mg/l 3 h spiration inhibition 9 Test Guideline 209 oxicity at the limit of solubility
Toxicity to fish (Chronic t icity)	E	NOEC: 0,0013 Exposure time: Species: Zebra	27 d

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aquat	Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)		 NOEC: 3,65 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211 Remarks: No toxicity at the limit of solubility 		
M-Fa toxici	ctor (Chronic aquatic ty)	:	10		
12.2 Persi	istence and degradabil	ity			
Com	ponents:				
	Estradiol: Biodegradability		Result: rapidly degradable Biodegradation: 84 % Exposure time: 24 hrs		
12.3 Bioa	ccumulative potential				
Com	ponents:				
	i diol: ion coefficient: n- ol/water	:	log Pow: 4,01		
	ydroxy-6-methyl-19-nor	rpre	gna-4,6-diene-3,2	0-dione 17-acetate:	
Bioac	cumulation	:	Species: Zebrafis Bioconcentration		
	ion coefficient: n- ol/water	:	log Pow: 3,7		
12.4 Mobi	lity in soil				
Com	ponents:				
Estra	diol:				
	bution among environ- al compartments	:	log Koc: 3,81		
	ydroxy-6-methyl-19-nor		•	0-dione 17-acetate:	
	bution among environ- al compartments	:		est Guideline 106	
12.5 Resu	llts of PBT and vPvB as	sse	ssment		
Prod	uct:				
Asse	ssment	:	to be either persis	nixture contains no components considered stent, bioaccumulative and toxic (PBT), or nd very bioaccumulative (vPvB) at levels of	

12.6 Other adverse effects

Product:



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Endocrine disrupting poten- tial		:	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 a levels of 0.1% or higher.		
SECTIO	N 13: Disposal consi	ider	ations		
13.1 Was	te treatment methods				
Produ	uct aminated packaging	:	According to the are not product Waste codes sh discussion with Do not dispose Empty containe dling site for rec	cordance with local regulations. E European Waste Catalogue, Waste Codes specific, but application specific. hould be assigned by the user, preferably in the waste disposal authorities. of waste into sewer. rs should be taken to an approved waste han- cycling or disposal. specified: Dispose of as unused product.	
SECTIO	N 14: Transport info	rma	tion		
14.1 UN n	number				
ADN		: UN 3077			
ADR		:	UN 3077		
RID		:	UN 3077		
IMDG		:	UN 3077		
ΙΑΤΑ		:	UN 3077		
14.2 UN p	proper shipping name				
ADN		:	N.O.S.	TALLY HAZARDOUS SUBSTANCE, SOLID, ydroxy-6-methyl-19-norpregna-4,6-diene-3,20 e)	
ADR		:	N.O.S.	, TALLY HAZARDOUS SUBSTANCE, SOLID, ydroxy-6-methyl-19-norpregna-4,6-diene-3,20 e)	
RID		:	N.O.S.	, TALLY HAZARDOUS SUBSTANCE, SOLID,	

(Estradiol, 17-Hydroxy-6-methyl-19-norpregna-4,6-diene-3,20dione 17-acetate)

IMDG	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Estradiol, 17-Hydroxy-6-methyl-19-norpregna-4,6-diene-3,20- dione 17-acetate)
ΙΑΤΑ	:	Environmentally hazardous substance, solid, n.o.s. (Estradiol, 17-Hydroxy-6-methyl-19-norpregna-4,6-diene-3,20-

dione 17-acetate)

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14.3 Trans	port hazard class(es)		
		Class	Subsidiary risks
ADN		: 9	
ADR		: 9	
RID		: 9	
IMDG		: 9	
ΙΑΤΑ		: 9	
14.4 Packi	ng group		
ADN			
Packir	ng group	: !!!	
	fication Code d Identification Number	: M7 : 90	
Labels		: 9	
ADR			
Packir	ng group	: 111	
	fication Code	: M7	
Labels	d Identification Number	: 90 : 9	
	l restriction code	: (-)	
RID			
Packir	ng group	: !!!	
	fication Code d Identification Number	: M7 : 90	
Labels		: 9	
IMDG			
	ng group	: 111	
Labels		: 9	
EmS (: F-A, S-F	
	(Cargo) ng instruction (cargo	: 956	
aircraf		. 550	
Packir	ng instruction (LQ)	: Y956	
Packir Labels	ng group	: III : Miscellaneous	
	(Passenger)	: 956	
ger ai			
Packir	ng instruction (LQ)	: Y956	
Packir Labels	ng group	: III : Miscellaneous	
	onmental hazards		
ADN			
	onmentally hazardous	: yes	
ADR			
Enviro	onmentally hazardous	: yes	
RID			



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	Enviror	nmentally hazardous	:	yes	
	IMDG Marine	pollutant	:	yes	
IATA (Passenger) Environmentally hazardous		:	yes		
	IATA (Enviror	Cargo) nmentally hazardous	:	yes	
14.6	14.6 Special precautions for user				

14.6 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.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Remarks	:	Not applicable for product as supplied.
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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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

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

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Other information	Items where changes have been made to the previous versio are highlighted in the body of this document by two vertical lines.	
Full text of H-Statements		
H350	May cause cancer.	
H360F	May damage fertility.	
H360FD	May damage fertility. May damage the unborn child.	
H372	Causes damage to organs through prolonged or repeated exposure.	
H410	Very toxic to aquatic life with long lasting effects.	
Full text of other abbreviation	5	
Aquatic Chronic Carc. Repr. STOT RE	Long-term (chronic) aquatic hazard Carcinogenicity Reproductive toxicity Specific target organ toxicity - repeated exposure	



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ZA OI ZA OI	EL / OEL-RL	Agents, Occup : Occupational I	The Regulations for Hazardous Chemical pational Exposure Limits Exposure Limit Restricted limit - 8- hour expo- lent (12 hour shifts)
Water Road; ing of tion (F of the Europ assoc cy Sc sociat borato Trans rying tional IMDG - Indu KECI tion; L tional NO(A fect L Chem of Ch stance tative) Parlia Strictio Good: SVHO Thaila - Unit	ways; ADR - Agreem AIIC - Australian Inve Materials; bw - Body CO No 1272/2008; CM German Institute for S bean Chemicals Agenc iated with x% respons hedule; ENCS - Existin red with x% growth ra- ory Practice; IARC - In port Association; IBC - Dangerous Chemicals Civil Aviation Organiz - International Maritim Istrial Safety and Healt - Korea Existing Chem D50 - Lethal Dose to Convention for the P)EC - No Observed (A evel; NOELR - No O icals; OECD - Organiz emical Safety and Pol e; PICCS - Philippines) Structure Activity Rel ment and of the Cou on of Chemicals; RID s by Rail; SADT - Self C - Substance of very and Existing Chemicals	ent concerning the ntory of Industrial Cl weight; CLP - Classi IR - Carcinogen, Mu Standardisation; DSL y; EC-Number - Eur e; ELx - Loading rate ng and New Chemica te response; GHS - ternational Agency f International Code f in Bulk; IC50 - Half ation; IECSC - Inver e Dangerous Goods th Law (Japan); ISO icals Inventory; LC56 50% of a test popul revention of Pollutio dverse) Effect Conce bservable Effect Loa cation for Economic lution Prevention; PE Inventory of Chemica ationship; REACH - ncil concerning the - Regulations conce Accelerating Decom- high concern; TCSI Inventory; TSCA - T - United Nations Ref	national Carriage of Dangerous Goods by Inland International Carriage of Dangerous Goods by hemicals; ASTM - American Society for the Test- fication Labelling Packaging Regulation; Regula- tagen or Reproductive Toxicant; DIN - Standard - Domestic Substances List (Canada); ECHA - opean Community number; ECx - Concentration associated with x% response; EmS - Emergen- al Substances (Japan); ErCx - Concentration as- Globally Harmonized System; GLP - Good La- or Research on Cancer; IATA - International Air for the Construction and Equipment of Ships car- maximal inhibitory concentration; ICAO - Interna- tory of Existing Chemical Substances in China; ; IMO - International Maritime Organization; ISHL - International Organisation for Standardization; D - Lethal Concentration to 50 % of a test popula- ation (Median Lethal Dose); MARPOL - Interna- n from Ships; n.o.s Not Otherwise Specified; entration; NO(A)EL - No Observed (Adverse) Ef- ading Rate; NZIoC - New Zealand Inventory of Co-operation and Development; OPPTS - Office ST - Persistent, Bioaccumulative and Toxic sub- als and Chemical Substances; (Q)SAR - (Quanti- Regulation (EC) No 1907/2006 of the European Registration, Evaluation, Authorisation and Re- erning the International Carriage of Dangerous position Temperature; SDS - Safety Data Sheet; - Taiwan Chemical Substance Inventory; TECI - foxic Substances Control Act (United States); UN performendations on the Transport of Dangerous mulative

Further information

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

Classification procedure:

Carc. 1A	H350	Calculation method
Repr. 1A	H360FD	Calculation method
STOT RE 1	H372	Calculation method
Aquatic Chronic 1	H410	Calculation method

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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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