

Vers 7.0	ion	Revision Date: 06.04.2024		S Number: 976-00025	Date of last issue: 26.09.2023 Date of first issue: 06.10.2014				
Sect	Section 1: Identification								
	Produc	t identifier	:	Desogestrel / Eth	ninyl Estradiol Formulation				
	Recom	mended use of the ch	nemi	ical and restriction	ons on use				
		mended use	:	Pharmaceutical					
	Restrict	tions on use		Not applicable					
	Manufa	acturer or supplier's d	etai	ls					
	Compa	ny	:	Organon & Co.					
	Address	S	:	30 Hudson Stree	t, 33nd floor				
				Jersey City, New	Jersey, U.S.A 07302				
	Telepho	one	:	+1-551-430-6000)				
	Emerge	ency telephone number	:	+1-215-631-6999)				
	E-mail a	address	:	EHSSTEWARD	⊉organon.com				

Section 2: Hazard identification

Classification of the substance or mixture

Carcinogenicity	:	Category 1A
Reproductive toxicity	:	Category 1B
Specific target organ toxicity - repeated exposure	:	Category 1 (Pituitary gland, Uterus (including cervix), Ovary, Mammary gland, Prostate, Liver, Blood)
Long-term (chronic) aquatic hazard	:	Category 1

GHS Label elements, including precautionary statements

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 (Pituitary gland, Uterus (in- cluding cervix), Ovary, Mammary gland, Prostate, Liver, Blood) through prolonged or repeated exposure. H410 Very toxic to aquatic life with long lasting effects.



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Precau	utionary statements	P202 Do not ha and understood P260 Do not bre P264 Wash skir P270 Do not ea P273 Avoid rele P280 Wear prot	-

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

P391 Collect spillage.

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)
Starch	9005-25-8	>= 20 -< 30
Stearic acid	57-11-4	>= 1 -< 10
Desogestrel	54024-22-5	>= 0.1 -< 0.25
Ethinylestradiol	57-63-6	>= 0.025 -< 0.1

Section 4: First-aid measures

Description of necessary 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				



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	ase of eye contact wallowed	Get medical a Wash clothing Thoroughly cle If in eyes, rins Get medical a If swallowed, I Get medical a	before reuse. ean shoes before reuse. e well with water. ttention if irritation develops and persists. DO NOT induce vomiting.			
Мо	st important symptoms a	and effects, both a	cute and delayed			
Ris Pro	ks tection of first-aiders	Causes dama exposure. Contact with d the skin. Dust contact v : First Aid respondent and use the response	ncer. fertility. May damage the unborn child. ge to organs through prolonged or repeated lust can cause mechanical irritation or drying of with the eyes can lead to mechanical irritation. onders should pay attention to self-protection, ecommended personal protective equipment ntial for exposure exists (see section 8).			
Ind	ication of any immediate	e medical attention and special treatment needed				
Tre	atment	: Treat symptomatically and supportively.				
Section	5: Fire-fighting measure	es				
	nguishing media					
	table extinguishing media suitable extinguishing dia	 Water spray Alcohol-resista Carbon dioxid Dry chemical None known. 				
Spe	ecial hazards arising from	m the substance o	r mixture			
Spe	ecific hazards during fire-	: Avoid generat	: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a			

fighting 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-	:	Carbon oxides
ucts		Nitrogen oxides (NOx)

Special protective actions for fire-fighters

Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
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



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		so. Evacuate are	a.		
Section 6	: Accidental release n	neasures			
	precautions, protective precautions	: Use personal Follow safe h	emergency procedures protective equipment. andling advice (see section 7) and personal pro- ment recommendations (see section 8).		
Environmental precautions Environmental precautions		Prevent furth Retain and di Local authori	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 cont Methods for cleaning up		: Sweep up or tainer for disp Avoid dispers with compres Dust deposits es, as these leased into th Local or natio posal of this r employed in t mine which re Sections 13 a	vacuum up spillage and collect in suitable con- oosal. sal of dust in the air (i.e., clearing dust surfaces		

Section 7: Handling and storage

Precautions for safe handling	ng	
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 as- sessment Keep container tightly closed. Minimize dust generation and accumulation.



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	Hygiene measures		 Keep away fro Take precaution Do not eat, dri Take care to penvironment. If exposure to flushing system place. When using do Wash contamini The effective of engineering contaministic of appropriate desindustrial hygic 	er closed when not in use. Im heat and sources of ignition. Ionary measures against static discharges. Ink or smoke when using this product. Irevent spills, waste and minimize release to the chemical is likely during typical use, provide eye ms and safety showers close to the working o not eat, drink or smoke. Inated clothing before re-use. Operation of a facility should include review of portrols, proper personal protective equipment, egowning and decontamination procedures, ene monitoring, medical surveillance and the strative controls.
	Conditions for safe storage		e, including any inc	ompatibilities
		ons for safe storage als to avoid	Store locked u Keep tightly cl Store in accore	osed. dance with the particular national regulations. vith the following product types:

Section 8: Exposure controls/personal protection

Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Starch	9005-25-8	PEL (long term)	10 mg/m3	SG OEL
		TWA	10 mg/m3	ACGIH
Stearic acid	57-11-4	PEL (long term)	10 mg/m3	SG OEL
		TWA (Inhal- able particu- late matter)	10 mg/m3	ACGIH
		TWA (Res- pirable par- ticulate mat- ter)	3 mg/m3	ACGIH
Desogestrel	54024-22-5	TŴA	0.04 µg/m3 (OEB 5)	Internal
		Wipe limit	0.4 µg/100 cm ²	Internal
Ethinylestradiol	57-63-6	TWA	0.01 µg/m3 (OEB 5)	Internal



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Ш			Wipe limit	0.1 µg/100 cm²	Internal
	opriate engineering ol measures	to control at so vent leakage o All engineering design and op protect produc No open hand Totally enclose are required. Operations rec	purce (e.g., glo f compounds g controls sho erated in acco ts, workers, a ling permitted ed processes quire the use o	ems or containment to bye boxes/isolators) a into the workplace. uld be implemented b ordance with GMP pri nd the environment. and materials transpo of appropriate contain leakage of compound	and to pre- by facility nciples to prt systems
Indivi	idual protection mea	sures, such as perso	onal protecti	ve equipment (PPE)	
Eye/fa	ace protection	If the work env mists or aerose Wear a facesh	ironment or a ols, wear the ield or other f	de shields or goggles activity involves dusty appropriate goggles. ull face protection if the othe face with dusts,	conditions, here is a
Skin p	protection	: Work uniform of Additional body task being periposable suits) Use appropriat	y garments sł formed (e.g., to avoid expo te degowning	coat. hould be used based sleevelets, apron, ga sed skin surfaces. techniques to remove	untlets, dis-
Respi	ratory protection	sure assessme	al exhaust ve ent demonstra	entilation is not availal ates exposures outsid respiratory protection	le the rec-
	ter type protection	: Particulates ty			
Ma	aterial	: Chemical-resis	stant gloves		
Re	emarks	: Consider doub	le gloving.		
ection 9:	Physical and chem	cal properties			
Appea	arance	: powder			
Colou	ır	: White to light	yellow		

Odour

Melting point/freezing point : No data available

: No data available



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Initial range	boiling point and boiling	:	No data available	
Flash	point	:	Not applicable	
Evapo	pration rate	:	Not applicable	
Flamn	nability (solid, gas)	:	May form explosi dling or other me	ive dust-air mixture during processing, han- ans.
Flamn	nability (liquids)	:	No data available	9
	explosion limit / Upper ability limit	:	No data available	
	explosion limit / Lower ability limit	:	No data available	9
Vapoι	ur pressure	:	Not applicable	
Relati	ve vapour density	:	Not applicable	
Relati	ve density	:	No data available	9
Densi	ty	:	1 g/cm ³	
	ility(ies) ater solubility	:	No data available	9
	on coefficient: n- ol/water	:	Not applicable	
	gnition temperature	:	No data available	9
Decor	nposition temperature	:	No data available	9
Viscos Vis	sity scosity, kinematic	:	Not applicable	
Explo	sive properties	:	Not explosive	
Oxidiz	ing properties	:	The substance o	r mixture is not classified as oxidizing.
	le characteristics le size	:	No data available	

Section 10: Stability and reactivity

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reac-	:	May form explosive dust-air mixture during processing, han-



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tions			dling or other m Can react with	eans. strong oxidizing agents.
Incom	tions to avoid patible materials dous decomposition cts	:	Heat, flames ar Avoid dust form Oxidizing agent No hazardous o	ation.
ection 1 ⁻	1: Toxicological inform	atic	n	
Inform expos	nation on likely routes of sure	:	Inhalation Skin contact Ingestion Eye contact	
	e toxicity assified based on availal	hla	information	
	oonents:			
Starc				
	oral toxicity	:	LD50 (Rat): > 5,	000 mg/kg
Acute	dermal toxicity	:	LD50 (Rabbit): >	2,000 mg/kg
II Stear	ic acid:			
	oral toxicity	:	LD50 (Rat): > 5, Method: OECD	000 mg/kg Test Guideline 401
Acute	inhalation toxicity	:	Exposure time: Test atmosphere	l h
Acute	dermal toxicity	:	LD50 (Rabbit): > Assessment: Th toxicity	2,000 mg/kg e substance or mixture has no acute dermal
	gestrel:			
Acute	oral toxicity	:	LD50 (Rat, male	and female): > 2,000 mg/kg
			LD50 (Mouse, m	ale and female): > 2,000 mg/kg
Ethin	ylestradiol:			
	oral toxicity	:	LD50 (Rat): 1,20	00 mg/kg
			LD50 (Mouse): 7	l,737 mg/kg
Aquita	inhalation toxicity	:	Remarks: No da	ta available



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II Acut	e dermal toxicity	: Remarks: No	o data available	
/ 1041	e dermal toxicity	. Romano. N		
Skin	corrosion/irritation			
Not	classified based on avail	able information.		
<u>Com</u>	ponents:			
Stea	ric acid:			
Spec	cies	: Rabbit		
Meth Resu		: Patch Test 2 : No skin irrita	-	
		. 10 300 000		
Ethi	nylestradiol:			
Rem	arks	: No data ava	ilable	
Cari				
	ous eye damage/eye ir classified based on avail			
	ponents:			
Star Spec		: Rabbit		
Resi	ult	: No eye irrita	tion	
	ric acid:	5		
Spec Resi		: Rabbit : No eye irrita	tion	
	nylestradiol:			
Rem	arks	: No data ava	lable	
Pos	piratory or skin sensiti	eation		
-	-	Sation		
	sensitisation classified based on avail	able information		
-	piratory sensitisation classified based on avail	able information		
	ponents:			
Star				
	сп: Туре	: Maximisation	Test	
	osure routes	: Skin contact		
Spec Resi		: Guinea pig : negative		
I Nest	an	. negative		
Stea	ric acid:			
Test	Туре	: Maximisation	n Test	



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Expos Speci Resul Rema	lt	: Skin contac : Guinea pig : negative : Based on d	t ata from similar materials
••			
Ethin Rema	y lestradiol: arks	: No data ava	ailable
	cell mutagenicity lassified based on ava	ailable information.	
Com	ponents:		
Starc	h:		
	toxicity in vitro	: Test Type: Result: neg	Bacterial reverse mutation assay (AMES) ative
Stear	ic acid:		
Geno	toxicity in vitro	Method: OE Result: neg	Chromosome aberration test in vitro ECD Test Guideline 473 ative Based on data from similar materials
		Method: OE Result: neg	In vitro mammalian cell gene mutation test ECD Test Guideline 476 ative Based on data from similar materials
		Result: neg	Bacterial reverse mutation assay (AMES) ative Based on data from similar materials
Deso	gestrel:		
	toxicity in vitro	: Test Type: Result: neg	Bacterial reverse mutation assay (AMES) ative
Geno	toxicity in vivo	Species: Ra	Route: Intraperitoneal
Ethin	ylestradiol:		
	toxicity in vitro		Bacterial reverse mutation assay (AMES) n: Salmonella typhimurium ative
			Bacterial reverse mutation assay (AMES) n: Escherichia coli ative



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			romosome aberration test in vitro luman lymphocytes cal
Genot	oxicity in vivo	Species: Mous Cell type: Bon Application Ro Result: positive	e marrow oute: Oral e cronucleus test se e marrow
	cell mutagenicity - sment	Result: negativ	
May c	nogenicity ause cancer.		
	oonents:		
Specie Applic	ation Route sure time	: Rat : Oral : 104 weeks : negative	
Specie Applic Expos Result	ation Route sure time	: Mouse : Oral : 81 weeks : negative	
Ethin	ylestradiol:		
Specie Applic	es ation Route sure time	: Rat, male and : Oral : 2 Years : negative	female
Specie Applic Expos Resul	ation Route sure time	: Monkey, fema : Oral : 10 Years : negative	le
Carcir ment	nogenicity - Assess-	: Positive evider	nce from human epidemiological studies

May damage fertility. May damage the unborn child.



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<u>Com</u>	oonents:		
Stear	ic acid:		
Effect	s on fertility	reproduction/d Species: Rat Application Ro Method: OECI Result: negativ	D Test Guideline 422
Effect ment	s on foetal develop-	reproduction/d Species: Rat Application Ro Method: OECI Result: negativ	D Test Guideline 422
Deso	gestrel:		
	s on fertility	Species: Rabb	L Parent: 2 mg/kg body weight
		Species: Rat,	L Parent: 0.5 mg/kg body weight
Effect ment	s on foetal develop-	Species: Rabb Application Ro Developmenta Result: Embry	
		Species: Rat, t Application Ro Embryo-foetal weight	
Repro sessn	oductive toxicity - As- nent	ity, based on a	e of adverse effects on sexual function and fe nimal experiments., Some evidence of adver elopment, based on animal experiments.
Ethin	ylestradiol:		
	s on fertility	: Species: Ham Fertility: LOAE	ster L: 6.3 mg/kg body weight



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I			Result: Effects	on fertility
Effects ment	s on foetal develop-	:	Species: Rat Application Rou Developmental	r-generation reproduction toxicity study ute: Oral Toxicity: LOAEL: > 0.006 mg/kg body weight developmental abnormalities
			Species: Rat, n Application Rou Developmental	p-generation reproduction toxicity study nale and female ute: Oral Toxicity: LOAEL: 0.005 mg/kg body weight developmental abnormalities
Reproo sessm	ductive toxicity - As- ent	:	ity, based on ar	of adverse effects on sexual function and ferti nimal experiments., Clear evidence of adverse lopment, based on animal experiments.
	- single exposure			
	assified based on avail	lable	mornation.	
Cause	• •			s (including cervix), Ovary, Mammary gland, ated exposure.
<u>Comp</u>	onents:			

Target Organs Assessment	:	Pituitary gland, Uterus (including cervix), Ovary, Mammary gland, Prostate Causes damage to organs through prolonged or repeated exposure.
Ethinylestradiol: Target Organs Assessment	:	Liver, Blood Causes damage to organs through prolonged or repeated exposure.
Repeated dose toxicity		
Components:		
Starch: Species	:	Rat
INUAEL	•	>= 2,000 mg/kg

Species	: Rat
Species NOAEL Application Route	: >= 2,000 mg/kg
Application Route	: Skin contact
Exposure time	: 28 Days
Exposure time Method	: OECD Test Guideline 410

Stearic acid:



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	EL cation Route sure time od	: Rat : 1,000 mg/kg : Ingestion : 42 Days : OECD Test G : Based on data	uideline 422 a from similar materials
Spec LOAE Applic Expo		: Rat, female : 0.00625 mg/k : Oral : 26 Weeks : Pituitary gland gland	g I, Uterus (including cervix), Ovary, Mammary
Expo		: Rat : 0.005 mg/kg : Oral : 52 Weeks : Pituitary gland gland	l, Uterus (including cervix), Ovary, Mammary
Expo		: Dog : 0.005 mg/kg : Oral : 52 Weeks : Pituitary gland gland, Prostat	l, Uterus (including cervix), Ovary, Mammary e
Spec NOAI LOAE Applie Expo	EL EL cation Route sure time et Organs	: Rat : 0.25 mg/kg : 0.5 mg/kg : Oral : 2 Weeks : Liver : Rabbit	
LOAE Appli Expo		: 0.015 mg/kg : Oral : 20 Weeks : Liver	
Expo	EL	: Dog : 0.04 mg/kg : 0.2 mg/kg : Oral : 95 d : Blood	
Spec	ies	: Rat, male and	female



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NOAEL LOAEL Application Route Exposure time Target Organs			0.0015 mg/kg 0.005 mg/kg Oral 2 yr Reproductive org ing cervix)	ans, Mammary gland, Liver, Uterus (includ-	
	-	tion toxicity			
		ssified based on availa			
	-	ence with human exp	osi	Ire	
		onents:			
	Desog Ingesti	estrel: on	: Symptoms: Headache, changes in libido, Dizziness, Nau Vomiting, Diarrhoea, water retention, sodium retention, of trointestinal discomfort, mental depression, amenorhea, somnia, impaired glucose tolerance, pulmonary embolist Target Organs: Uterus (including cervix) Target Organs: Mammary gland		ea, water retention, sodium retention, Gas- mfort, mental depression, amenorhea, in- glucose tolerance, pulmonary embolism terus (including cervix)
-		lestradiol:		_	
	Ingestion :		:	Symptoms: Abdominal pain, Nausea, Vomiting, Diarrhoea, Headache, Dizziness, mood swings, Oedema, liver function change, water retention, hair loss, gynecomastia, effects on menstruation	
Sec	tion 12	Ecological informati	on		
	Toxici	ty			
	<u>Comp</u>	onents:			
	Steario	c acid:			
	Toxicit	y to fish	:	LL50 (Leuciscus i Exposure time: 48 Method: DIN 384	
		y to daphnia and other c invertebrates	:	Exposure time: 48	agna (Water flea)): > 10 mg/l 3 h est Guideline 202

No toxicity at the limit of solubility

Remarks: Based on data from similar materials



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			mg/l Exposure time: 72 Method: OECD Te	est Guideline 201 on data from similar materials
	ty to daphnia and other c invertebrates (Chron- city)	:	Exposure time: 21 Method: OECD Te	est Guideline 211 on data from similar materials
Toxicit	ty to microorganisms	:	EC10 (Pseudomo Exposure time: 18	nas putida): 883 mg/l 3 h
Desoc	gestrel:			
	ty to fish	:	Exposure time: 96 Method: FDA 4.11	
			Exposure time: 96 Method: OECD Te Remarks: No toxic	
	ty to daphnia and other c invertebrates	:	Exposure time: 48 Method: OECD Te Remarks: No toxic	
Toxicit icity)	ty to fish (Chronic tox-	:	Exposure time: 32 Method: OECD Te	
			Exposure time: 18	tipes (Japanese medaka)): 0.0000027 mg 3 d on data from similar materials
	ty to daphnia and other c invertebrates (Chron- city)	:	Exposure time: 21	nagna (Water flea)): 1.2 mg/l d on data from similar materials
	tor (Chronic aquatic	:	10,000	
toxicity Toxicit	/) ty to microorganisms	:	EC50: > 1,000 mg Exposure time: 3 Test Type: Respir	h



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		Remarks: Base NOEC: 70.8 m Exposure time: Test Type: Res	
[] E4him			
	ylestradiol: ty to fish	Exposure time:	s macrochirus (Bluegill sunfish)): 1.6 mg/l 96 h 9 Test Guideline 203
Toxici plants	ty to algae/aquatic	mg/l Exposure time:	kirchneriella subcapitata (green algae)): > : 72 h 9 Test Guideline 201
		mg/l Exposure time:	okirchneriella subcapitata (green algae)): 6 : 72 h) Test Guideline 201
Toxicit icity)	ty to fish (Chronic tox-	Exposure time:	nales promelas (fathead minnow)): 0.01 μg 35 d 9 Test Guideline 210
		NOEC (Zebrafi Exposure time:	sh): 0.00031 µg/l : 339 d
	ty to daphnia and other ic invertebrates (Chron- city)	Exposure time:	ia magna (Water flea)): 0.75 mg/l : 21 d) Test Guideline 211
	ctor (Chronic aquatic	: 100,000	
toxicit <u>y</u> Toxicit	y) ty to microorganisms		

Persistence and degradability

Components:

Stearic acid:



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Biode	gradability	:	Biodegradation Exposure time			
Deso	gestrel:					
	Stability in water		Hydrolysis: < 10 %(5 d) Remarks: Based on data from similar materials			
Bioa	cumulative potential					
Com	oonents:					
Stear	ic acid:					
	ion coefficient: n- ol/water	:	log Pow: 8.23			
Deso	gestrel:					
Bioac	cumulation	:	Bioconcentrati	mis macrochirus (Bluegill sunfish) on factor (BCF): 128 ed on data from similar materials		
	ion coefficient: n- ol/water	:	log Pow: 3.5			
Ethin	ylestradiol:					
Bioac	cumulation	:	Bioconcentration	mis macrochirus (Bluegill sunfish) on factor (BCF): 264) Test Guideline 305		
	ion coefficient: n- ol/water	:	log Pow: 4.15			
Mobi	lity in soil					
Com	oonents:					
Deso	gestrel:					
	bution among environ- al compartments	:	log Koc: 2.84			
Distri	ylestradiol: oution among environ- al compartments	:	log Koc: 3.86			
	r adverse effects ata available					

-

Disposal methods

Waste from residues :



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	Contaminated packaging	:	Empty containers dling site for recyc	ordance with local regulations. should be taken to an approved waste han- cling or disposal. becified: Dispose of as unused product.
Sect	ion 14: Transport informatio	on		
	International Regulations			
	UNRTDG UN number UN proper shipping name	:	N.O.S. (Ethinylestradiol,	ALLY HAZARDOUS SUBSTANCE, SOLID, Desogestrel)
	Transport hazard class(es) Packing group Labels Environmental hazards	:	9 III 9 yes	
	IATA-DGR UN/ID No. UN proper shipping name	:	UN 3077 Environmentally h (Ethinylestradiol,	azardous substance, solid, n.o.s. Desogestrel)
	Transport hazard class(es) Packing group Labels Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft)	: : : : : : : : : : : : : : : : : : : :	9 III Miscellaneous 956 956	
	Environmentally hazardous	:	yes	
	IMDG-Code UN number Proper shipping name	:	UN 3077 ENVIRONMENTA N.O.S. (Ethinylestradiol,	ALLY HAZARDOUS SUBSTANCE, SOLID,
	Transport hazard class(es) Packing group Labels EmS Code Marine pollutant		9 III 9 F-A, S-F yes	

Transport in bulk according to IMO instruments

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.



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Section 15: Regulatory information

Safety, health and environmental regulations specific for the product in guestion

Workplace Safety and Health Act and Workplace Safety and Health (General Provisions) Regulations: This product is subjected to the SDS, labelling, PEL and other requirements in the Act/Regulations. Environmental Protection and Management Act and : Not applicable Environmental Protection and Management (Hazardous Substances) Regulations Fire Safety (Petroleum and Flammable Materials) : Not applicable 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

Revision Date	:	06.04.2024
Further information Sources of key data used to compile the Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Date format	:	dd.mm.yyyy
Full text of other abbreviatio	ns	
ACGIH SG OEL	:	USA. ACGIH Threshold Limit Values (TLV) Singapore. Workplace Safety and Health (General Provisions) Regulations - First Schedule Permissible Exposure Limits of Toxic Substances.
ACGIH / TWA SG OEL / PEL (long term)	:	8-hour, time-weighted average Permissible Exposure Level (PEL) Long Term

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



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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 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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