

Version 2.5	Revision Date: 09.04.2021		Number: 3-00019	Date of last issue: 16.10.2020 Date of first issue: 06.10.2014			
SECTION 1: Identification of the substance/mixture and of the company/undertaking							
	<b>luct identifier</b> de name	: D	esogestrel / Eth	inyl Estradiol Formulation			
1.2 Rele	vant identified uses of	the sub	stance or mixt	ure and uses advised against			
	e of the Sub- nce/Mixture	: P	narmaceutical				
1.3 Deta	ils of the supplier of th	e safety	data sheet				
Cor	npany	30	rganon & Co. ) Hudson Street 7302  Jersey Cit	:, 33nd floor y, New Jersey, U.S.A			
Tel	ephone	: 58	51-430-6000				
	nail address of person ponsible for the SDS	: E	HSSTEWARD@	∂organon.com			
	1.4 Emergency telephone number						

215-631-6999

# **SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

## Classification (REGULATION (EC) No 1272/2008)

Carcinogenicity, Category 1A	H350: May cause cancer.
Reproductive toxicity, Category 1B	H360FD: May damage fertility. May damage the
	unborn child.
Specific target organ toxicity - repeated	H372: Causes damage to organs through pro-
exposure, Category 1	longed or repeated exposure.
Long-term (chronic) aquatic hazard, Cat-	H410: Very toxic to aquatic life with long lasting
egory 1	effects.
l abel elements	

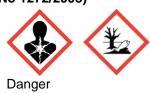
## 2.2 Label elements

Signal word

### Labelling (REGULATION (EC) No 1272/2008)

:

Hazard pictograms



Hazard statements	:	<ul> <li>H350 May cause cancer.</li> <li>H360FD May damage fertility. May damage the unborn child.</li> <li>H372 Causes damage to organs through prolonged or repeated exposure.</li> <li>H410 Very toxic to aquatic life with long lasting effects.</li> </ul>
		H410 Very loxic to aqualic life with long lasting effects.



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Precau	utionary statements	P260 Do not bre P273 Avoid rele	ecial instructions before use. eathe dust. ase to the environment. ective gloves/ protective clothing/ eye protec- on.
		<b>Response:</b> P308 + P313 IF attention. P391 Collect sp	exposed or concerned: Get medical advice/ illage.

Hazardous components which must be listed on the label:

Desogestrel

Ethinylestradiol

## 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)
Desogestrel	54024-22-5 258-929-4	Repr. 1B; H360Fd STOT RE 1; H372 (Pituitary gland, Uterus (including cervix), Ovary, Mammary gland, Prostate) Aquatic Chronic 1; H410 M-Factor (Chronic aquatic toxicity): 10.000	>= 0,1 - < 0,25
Ethinylestradiol	57-63-6 200-342-2	Acute Tox. 4; H302 Carc. 1A; H350 Repr. 1B; H360FD STOT RE 1; H372 (Liver, Blood)	>= 0,025 - < 0,1



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			Aquatic Chronic 1; H410
			M-Factor (Chronic aquatic toxicity): 100.000

For explanation of abbreviations see section 16.

### **SECTION 4: First aid measures**

### 4.1 Description of 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.
	Protection of first-aiders	:	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	:	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.
4.2	Most important symptoms and	d e	ffects, both acute and delayed
	Risks	:	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.
4.3	Indication of any immediate m	ned	ical attention and special treatment needed
	Treatment	:	Treat symptomatically and supportively.



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SEC	FION 5: Firefighting mea	sures			
5.1 Ex	tinguishing media				
Suitable extinguishing media		Alcoh Carbo	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical		
Unsuitable extinguishing media		: None	None known.		
5.2 Sp	pecial hazards arising from	the subs	ance or m	ixture	
Specific hazards during fire- fighting		conce poten	entrations, a tial dust ex	dust; fine dust dispersed in air in sufficient and in the presence of an ignition source is a plosion hazard. bustion products may be a hazard to health.	
	Hazardous combustion prod- ucts		on oxides Jen oxides	(NOx)	
5.3 Ao	dvice for firefighters				
	Special protective equipment or firefighters			e, wear self-contained breathing apparatus. otective equipment.	
Specific extinguishing meth- : ods		cums Use v Remo so.	tances and vater spray	g measures that are appropriate to local cir- the surrounding environment. to cool unopened containers. aged 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).
<b>6.2 Environmental precautions</b> 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 m leased into the Local or nation posal of this m employed in th mine which reg Sections 13 ar	should not be allowed to accumulate on surfac- nay form an explosive mixture if they are re- e atmosphere in sufficient concentration. nal 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. nd 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

		5	
	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.
			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 contami- nated clothing before re-use.
			The effective operation of a facility should include review of engineering controls, proper personal protective equipment,
			appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.
7.2	Conditions for safe storage	, inc	luding 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:



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		Strong oxidizing Organic peroxic Explosives Gases	
-	<b>c end use(s)</b> ic use(s)	: No data availab	le

## **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

#### **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis		
Starch	9005-25-8	TWA OEL-RL	5 mg/m3	ZA OEL		
		(Respirable dust)				
	Further inform	Further information: Recommended Limit				
		TWA OEL-RL	10 mg/m3	ZA OEL		
		(inhalable dust)	_			
	Further information: Recommended Limit					
Desogestrel	54024-22-5	TWA	0.04 µg/m3 (OEB 5)	Internal		
		Wipe limit	0.4 μg/100 cm <sup>2</sup>	Internal		
Ethinylestradiol	57-63-6	TWA	0.01 µg/m3 (OEB 5)	Internal		
		Wipe limit	0.1 µg/100 cm <sup>2</sup>	Internal		

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health ef- fects	Value
Stearic acid	Workers	Inhalation	Long-term systemic effects	17,63 mg/m3
	Workers	Skin contact	Long-term systemic effects	10 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	4,348 mg/m3
	Consumers	Skin contact	Long-term systemic effects	5 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	2,5 mg/kg bw/day

### 8.2 Exposure controls

#### Engineering measures

Use closed processing systems or containment technologies to control at source (e.g., glove boxes/isolators) and to prevent leakage of compounds into the workplace.

All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. No open handling permitted.

Totally enclosed processes and materials transport systems are required.

Operations require the use of appropriate containment technology designed to prevent leakage of compounds into the workplace.



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Perso	onal protective equipm	ent		
Eye	protection	:	If the work enviro mists or aerosols. Wear a faceshield	ses with side shields or goggles. nment or activity involves dusty conditions, , wear the appropriate goggles. d or other full face protection if there is a t contact to the face with dusts, mists, or
Hand	d protection			
M	aterial	:	Chemical-resistar	at gloves
	emarks and body protection	:	being performed ( suits) to avoid exp	aboratory coat. arments should be used based upon the task e.g., sleevelets, apron, gauntlets, disposable bosed skin surfaces. legowning techniques to remove potentially
Resp	iratory protection	:	If adequate local e sure assessment	exhaust ventilation is not available or expo- demonstrates exposures outside the rec- lines, use respiratory protection.
Fi	lter type	:	Particulates type	

# **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Appearance Colour Odour Odour Threshold	:	powder White to light yellow No data available No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling	:	No data available
range Flash point	:	Not applicable
Evaporation rate	:	Not applicable
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	:	Not applicable
Relative vapour density	:	Not applicable



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F	Relativ	e density	:	No data available	e
Density		:	1 g/cm <sup>3</sup>		
F	Partitio octanol	er solubility n coefficient: n-	:	No data available Not applicable No data available	
Decomposition temperature		:	No data available	e	
		cosity, kinematic	:	Not applicable	
	•	ive properties ng properties	:	Not explosive The substance o	r mixture is not classified as oxidizing.
F		n <b>formation</b> ability (liquids) e size	:	No data available No data available	

## **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	:	May form explosive dust-air mixture during processing, han- dling 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



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expos	sure	Skin co Ingesti Eye co	on						
	Acute toxicity								
	Not classified based on available information.								
	Components:								
	gestrel:								
Acute	oral toxicity	: LD50 (	Rat, male and female): > 2.000 mg/kg						
		LD50 (	Mouse, male and female): > 2.000 mg/kg						
Ethin	ylestradiol:								
Acute	oral toxicity	: LD50 (	Rat): 1.200 mg/kg						
		LD50 (	Mouse): 1.737 mg/kg						
Acute	inhalation toxicity	: Remar	ks: No data available						
Acute	dermal toxicity	: Remar	ks: No data available						
	<u>Components:</u> Ethinylestradiol:								
	-								
Rema	irks	: No dat	a available						
	us eye damage/eye								
	assified based on ava	ilable informa	tion.						
	oonents:								
	ylestradiol:		a available						
Rema	•	<ul> <li>No dat</li> </ul>							
Rema	irks	: No dat							
	•								
Respi Skin s	irks	tisation							
Respi Skin s Not cl Respi	irks iratory or skin sensi sensitisation assified based on ava iratory sensitisation	t <b>isation</b> illable informa	tion.						
Respi Skin s Not cl Respi Not cl	irks iratory or skin sensi sensitisation assified based on ava iratory sensitisation assified based on ava	t <b>isation</b> illable informa	tion.						
Respi Skin s Not cl Respi Not cl <u>Comp</u>	irks iratory or skin sensi sensitisation assified based on ava iratory sensitisation assified based on ava ponents:	t <b>isation</b> illable informa	tion.						
Respi Skin s Not cl Respi Not cl <u>Comp</u>	irks iratory or skin sensi sensitisation assified based on ava iratory sensitisation assified based on ava ponents: ylestradiol:	tisation ilable informa ilable informa	tion.						



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Co	mponents:			
Des	sogestrel:			
	notoxicity in vitro	:	Test Type: Bact Result: negative	erial reverse mutation assay (AMES)
Gei	notoxicity in vivo	:	Test Type: Micro Species: Rat Application Rou Result: negative	te: Intraperitoneal
Eth	inylestradiol:			
Gei	notoxicity in vitro	:		erial reverse mutation assay (AMES) Imonella typhimurium
			Test Type: Bact Test system: Es Result: negative	
				mosome aberration test in vitro Iman lymphocytes al
Gei	notoxicity in vivo	:	Test Type: Chro Species: Mouse Cell type: Bone Application Rou Result: positive	marrow
			Test Type: Micro Species: Mouse Cell type: Bone Application Rou Result: negative	marrow te: Oral
	rm cell mutagenicity- As- sment	:	Weight of evider cell mutagen.	nce does not support classification as a germ
	y cause cancer. mponents:			
	sogestrel:			
Spe App	ecies blication Route bosure time	:	Rat Oral 104 weeks negative	
App	ecies blication Route bosure time sult	:	Mouse Oral 81 weeks negative	



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Ethin	ylestradiol:		
Speci		: Rat, male an	d female
	cation Route	: Oral	
	sure time	: 2 Years	
Resu	IT	: negative	
Speci		: Monkey, fem	ale
	cation Route	: Oral	
	sure time	: 10 Years	
Resu	IT	: negative	
Carcii ment	nogenicity - Assess-	: Positive evid	ence from human epidemiological studies
-	oductive toxicity damage fertility. May d	amage the unborn o	shild.
-	ponents:		
	gestrel:		artility/aarly ambryania dayalanmant
Elleci	ts on fertility	Species: Rat	ertility/early embryonic development
			EL Parent: 2 mg/kg body weight
		Result: Effec	
		Toot Typo: F	artility/aarly ambryania dayalanmant
		Species: Rat	ertility/early embryonic development
			AEL Parent: 0,5 mg/kg body weight
			ffects on fertility
Effoct	ts on foetal develop-	· Test Type: F	mbryo-foetal development
ment	is on ideial develop-	Species: Rat	
mont		Application F	
			tal Toxicity: NOAEL F1: 1 mg/kg body weight
		Result: Embr	yotoxic effects and adverse effects on the off-
		spring were of	detected., No teratogenic effects
		Test Type: E	mbryo-foetal development
		Species: Rat	
		Application R	
		-	al toxicity: LOAEC Parent: 0,125 mg/kg body
		weight	note nonice offense
		Result: No te	eratogenic effects
Repro	oductive toxicity - As-	: Clear eviden	ce of adverse effects on sexual function and fert
sessn	nent		animal experiments., Some evidence of adverse
		effects on de	velopment, based on animal experiments.
Ethin	ylestradiol:		
	ts on fertility	: Species: Har	nster
LICCI	o on formity		EL: 6,3 mg/kg body weight
			ts on fertility



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Effect ment	s on foetal develop-	:	Species: Rat Application Rou Developmental	r-generation reproduction toxicity study ite: Oral Toxicity: LOAEL: > 0,006 mg/kg body weight developmental abnormalities
			Species: Rat, m Application Rou Developmental	-generation reproduction toxicity study nale and female ite: Oral Toxicity: LOAEL: 0,005 mg/kg body weight developmental abnormalities
Repro sessn	oductive toxicity - As- nent	:	ity, based on ar	of adverse effects on sexual function and fert nimal experiments., Clear evidence of adverse lopment, based on animal experiments.
	- single exposure assified based on avail	lable i	nformation.	
	- repeated exposure			
	es damage to organs th		n prolonged or r	epeated exposure.
<u>Com</u>	oonents:			
Deso	gestrel:			
Targe	et Organs	:		Uterus (including cervix), Ovary, Mammary
Asses	ssment	:	gland, Prostate Causes damag exposure.	e to organs through prolonged or repeated
Ethin	ylestradiol:			
	et Organs	:	Liver, Blood	
Asses	ssment	:	Causes damag exposure.	e to organs through prolonged or repeated
Repe	ated dose toxicity			
Comp	oonents:			
Deso	gestrel:			
Speci LOAE Applic Expos	es	:	Rat, female 0,00625 mg/kg Oral 26 Weeks Pituitary gland, gland	Uterus (including cervix), Ovary, Mammary
Expos		:	Rat 0,005 mg/kg Oral 52 Weeks Pituitary gland, gland	Uterus (including cervix), Ovary, Mammary



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LÖA App Exp	cies AEL lication Route osure time get Organs	<ol> <li>Dog</li> <li>0,005 mg/kg</li> <li>Oral</li> <li>52 Weeks</li> <li>Pituitary gland gland, Prostate</li> </ol>	, Uterus (including cervix), Ovary, Mammary
Eth	inylestradiol:		
NO. LOA App Exp	lication Route osure time	: Rat : 0,25 mg/kg : 0,5 mg/kg : Oral : 2 Weeks : Liver	
	get Organs	-	
LÖA App Exp	cies AEL lication Route osure time get Organs	: Rabbit : 0,015 mg/kg : Oral : 20 Weeks : Liver	
NO. LOA App Exp	cies AEL AEL lication Route osure time get Organs	: Dog : 0,04 mg/kg : 0,2 mg/kg : Oral : 95 d : Blood	
NO LOA App Exp	ccies AEL AEL Ilication Route osure time get Organs	<ul> <li>Rat, male and</li> <li>0,0015 mg/kg</li> <li>0,005 mg/kg</li> <li>Oral</li> <li>2 yr</li> <li>Reproductive of ing cervix)</li> </ul>	female organs, Mammary gland, Liver, Uterus (includ-
-	<b>biration toxicity</b> classified based on avail	able information	
	erience with human exp		
<u>Cor</u>	nponents:		
Des	ogestrel:		
	estion	Vomiting, Diar trointestinal dis somnia, impair Target Organs	adache, changes in libido, Dizziness, Nausea, rhoea, water retention, sodium retention, Gas- scomfort, mental depression, amenorhea, in- ed glucose tolerance, pulmonary embolism : Uterus (including cervix) : Mammary gland
	inylestradiol:		
Inge	estion		dominal pain, Nausea, Vomiting, Diarrhoea, ziness, mood swings, Oedema, liver function



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			change, water menstruation	retention, hair loss, gynecomastia, effects on
SECTION	12: Ecological infor	ma	tion	
12.1 Toxic	city			
Com	oonents:			
	gestrel: ity to fish	:	Exposure time Method: FDA 4	
			Exposure time Method: OECE Remarks: No te	s macrochirus (Bluegill sunfish)): 1,3 mg/l : 96 h D Test Guideline 203 oxicity at the limit of solubility from similar materials
	ity to daphnia and other ic invertebrates	:	Exposure time Method: OECE Remarks: No te	a magna (Water flea)): > 3,9 mg/l : 48 h D Test Guideline 202 oxicity at the limit of solubility from similar materials
Toxic	ity to microorganisms	:	Method: OECE	
Toxic icity)	ity to fish (Chronic tox-	:	Method: OECE	
	ity to daphnia and other ic invertebrates (Chron- icity)	:		
M-Fa	ctor (Chronic aquatic	:	10.000	



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	toxicity)				
	Ethinyl	estradiol:			
	Toxicity	to fish	:	LC50 (Lepomis m Exposure time: 96 Method: OECD T	
	Toxicity plants	to algae/aquatic	:	EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD T	
				NOEC (Pseudoki mg/l Exposure time: 72 Method: OECD T	
	Toxicity	to microorganisms	:	EC50 : > 1.000 m Exposure time: 3 Test Type: Respir Method: OECD T	h ration inhibition
				NOEC : 24,9 mg/ Exposure time: 3 Test Type: Respir Method: OECD T	h ration inhibition
	Toxicity icity)	to fish (Chronic tox-	:	NOEC: 0,01 µg/l Exposure time: 3 Species: Pimepha Method: OECD T	ales promelas (fathead minnow)
				NOEC: 0,00031 µ Exposure time: 33 Species: Zebrafis	39 d
		to daphnia and other invertebrates (Chron- ty)	:	NOEC: 0,75 mg/l Exposure time: 2 <sup>-</sup> Species: Daphnia Method: OECD T	magna (Water flea)
	M-Facto toxicity)	or (Chronic aquatic	:	100.000	
12.2	Persist	ence and degradabil	ity		
	<u>Compo</u>	onents:			
	Desoge	estrel:			
	-	/ in water	:	Hydrolysis: < 10 9 Remarks: Based	%(5 d) on data from similar materials



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12.3 Bioad	cumulative potential			
Comp	oonents:			
Deso	gestrel:			
	cumulation	:	Bioconcentratio	mis macrochirus (Bluegill sunfish) on factor (BCF): 128 ed on data from similar materials
	on coefficient: n- ol/water	:	log Pow: 3,5	
Ethin	ylestradiol:			
Bioac	cumulation	:	Bioconcentratio	mis macrochirus (Bluegill sunfish) on factor (BCF): 264 ) Test Guideline 305
	on coefficient: n- ol/water	:	log Pow: 4,15	
12.4 Mobi	lity in soil			
Comp	oonents:			
Deso	gestrel:			
	oution among environ- al compartments	:	log Koc: 2,84	
Ethin	ylestradiol:			
	oution among environ- al compartments	:	log Koc: 3,86	
12.5 Resu	Its of PBT and vPvB a	sse	ssment	
Produ	<u>ict:</u>			
Asses	sment	:	to be either pe	e/mixture contains no components considered rsistent, bioaccumulative and toxic (PBT), or and very bioaccumulative (vPvB) at levels or
12.6 Othei	adverse effects			
Produ	<u>ict:</u>			
Endoo tial	crine disrupting poten-	:	ered to have end REACH Article	/mixture does not contain components considendocrine disrupting properties according to 57(f) or Commission Delegated regulation 0 or Commission Regulation (EU) 2018/605 or higher.

## 13.1 Waste treatment methods

Product

Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

:



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Contam	inated packaging	:	discussion with th Empty containers dling site for recyc	uld be assigned by the user, preferably in e waste disposal authorities. should be taken to an approved waste han- cling or disposal. becified: Dispose of as unused product.
<b>SECTION 1</b>	4: Transport inform	nat	ion	
14.1 UN nun	nber			
ADN		:	UN 3077	
ADR		:	UN 3077	
RID		:	UN 3077	
IMDG		:	UN 3077	
ΙΑΤΑ		:	UN 3077	
14.2 UN pro	per shipping name			
ADN		:	ENVIRONMENTA N.O.S. (Ethinylestradiol,	ALLY HAZARDOUS SUBSTANCE, SOLID, Desogestrel)
ADR		•	ENVIRONMENTA N.O.S. (Ethinylestradiol,	ALLY HAZARDOUS SUBSTANCE, SOLID,
RID		:	ENVIRONMENTA N.O.S. (Ethinylestradiol,	ALLY HAZARDOUS SUBSTANCE, SOLID,
IMDG		:	ENVIRONMENTA N.O.S. (Ethinylestradiol,	ALLY HAZARDOUS SUBSTANCE, SOLID,
ΙΑΤΑ		:	Environmentally h (Ethinylestradiol,	nazardous substance, solid, n.o.s. Desogestrel)
14.3 Transp	ort hazard class(es)			
ADN		:	9	
ADR		:	9	
RID		:	9	
IMDG		:	9	
ΙΑΤΑ		:	9	
14.4 Packing	g group			
	cation Code Identification Number	::	III M7 90 9	



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	Hazard Labels	cation Code Identification Number restriction code	:	M7 90 9 (-)	
	Classifi	g group cation Code Identification Number	:	III M7 90 9	
	IMDG Packing Labels EmS C	g group ode	:	III 9 F-A, S-F	
	IATA ( Packing aircraft	g instruction (cargo	:	956	
		g instruction (LQ) g group	:	Y956 III Miscellaneous	
	Packing ger airc Packing	Passenger) g instruction (passen- craft) g instruction (LQ) g group	:	956 Y956 III Miscellaneous	
14.5	5 Enviro	nmental hazards			
	<b>ADN</b> Enviror	nmentally hazardous	:	yes	
	<b>ADR</b> Enviror	nmentally hazardous	:	yes	
	<b>RID</b> Enviror	nmentally hazardous	:	yes	
	<b>IMDG</b> Marine	pollutant	:	yes	
		Passenger) Imentally hazardous	:	yes	
	<b>IATA (</b> Enviror	Cargo) mentally hazardous	:	yes	
14 6	Snocia	I precautions for use	r		

## 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.

<b>SECTION 16: Other informati</b>	on	
Other information	:	Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.
Full text of H-Statements		
H302	:	Harmful if swallowed.
H350	:	May cause cancer.
H360Fd	:	May damage fertility. Suspected of damaging the unborn child.
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 abbreviati	ons	
Acute Tox.	:	Acute toxicity
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Carc.	:	Carcinogenicity
Repr.	:	Reproductive toxicity
STOT RE	:	Specific target organ toxicity - repeated exposure
ZA OEL	:	South Africa. Hazardous Chemical Substances Regulations, Occupational Exposure Limits
ZA OEL / TWA OEL-RL	:	Long term occupational exposure limits - recommended limit

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; 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; 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



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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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance 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

#### 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 of the mixture:		Classification procedure:
Carc. 1A	H350	Calculation method
Repr. 1B	H360FD	Calculation method
STOT RE 1	H372	Calculation method
Aquatic Chronic 1	H410	Calculation method

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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