

according to Regulation (EC) No. 1907/2006

## **Desogestrel / Ethinyl Estradiol Formulation**

Version	Revision Date:	SDS Number:	Date of last issue: 16.10.2020
2.5	09.04.2021	19059-00019	Date of first issue: 06.10.2014

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : Desogestrel / Ethinyl Estradiol Formulation

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Pharmaceutical

#### 1.3 Details of the supplier of the safety data sheet

Company	:	Organon & Co. Shotton Lane NE23 3JU Cramlington NU - Great Britain
Telephone	:	44 1 670 59 30 00
E-mail address of person responsible for the SDS	:	EHSSTEWARD@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 exposure, Category 1	H372: Causes damage to organs through pro- longed or repeated exposure.
Long-term (chronic) aquatic hazard, Cat- egory 1	H410: Very toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

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

	,			
Hazard pictograms :				
Signal word	:	Danger		
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> </ul>		

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		H410 Very t	toxic to aquatic life with long lasting effects.
Preca	utionary statements	P260 Do no P273 Avoid	n special instructions before use. of breathe dust. release to the environment. protective gloves/ protective clothing/ eye protec- ection.
		<b>Response:</b> P308 + P313 attention. P391 Collec	IF exposed or concerned: Get medical advice/ ct spillage.

### 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, Uter- us (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 measu	res
General advice	<ul> <li>In the case of accident or if you feel unwell, seek medical advice immediately.</li> <li>When symptoms persist or in all cases of doubt seek medical advice.</li> </ul>
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	<ul> <li>In case of contact, immediately flush skin with soap and plenty of water.</li> <li>Remove contaminated clothing and shoes.</li> <li>Get medical attention.</li> <li>Wash clothing before reuse.</li> <li>Thoroughly clean shoes before reuse.</li> </ul>
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 an	d effects, 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 n	nedical attention and special treatment needed
Treatment	: Treat symptomatically and supportively.

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### **SECTION 5: Firefighting measures**

### 5.1 Extinguishing media

Suitable extinguishing media		Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.

#### 5.2 Special hazards arising from the substance or mixture

· · · · · · · · · · · · · · · · · · ·		
Specific hazards during fire- fighting	:	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides Nitrogen oxides (NOx)
5.3 Advice for firefighters		
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

5	
Specific extinguishing meth- ods	<ul> <li>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.</li> <li>Use water spray to cool unopened containers.</li> <li>Remove undamaged containers from fire area if it is safe to do so.</li> <li>Evacuate area.</li> </ul>

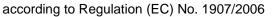
### **SECTION 6:** Accidental release measures

#### 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





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		es, as these may leased into the a Local or national posal of this mate employed in the mine which regul Sections 13 and	air). ould not be allowed to accumulate on surfac- form an explosive mixture if they are re- tmosphere in sufficient concentration. regulations may apply to releases and dis- erial, as well as those materials and items cleanup of releases. You will need to deter- lations are applicable. 15 of this SDS provide information regarding ational requirements.

### 6.4 Reference to other sections

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

### **SECTION 7: Handling and storage**

Fieldulions for sale nanuling	J	
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.

### 7.1 Precautions for safe handling

Requirements for storage	:	Keep in properly labelled containers. Store locked up. Keep
areas and containers		tightly closed. Store in accordance with the particular national
		regulations.

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Advic	e on common storage	: Do not store Strong oxidi Organic per Explosives Gases	
•	<b>ic end use(s)</b> fic use(s)	: No data ava	ilable

### 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 (inhalable dust)	10 mg/m3	GB EH40
	halable dust a sampling is un MDHS14/4 G ble, thoracic a hazardous to in air equal to mg.m-3 8-hou ject to COSHI have been as the appropriat of sizes. The I entry into the depend on the fractions for lin ble dust appro- and mouth du respiratory tra to the gas exc material are g their own assi	are those fractions of indertaken in accorda- eneral methods for s and inhalable aeroso health includes dust or greater than 10 m ar TWA of respirable H if people are expos- signed specific WEL the limits., Most indus- behaviour, deposition human respiratory sy e nature and size of mit-setting purposes oximates to the fracti- ring breathing and is oct. Respirable dust a change region of the iven in MDHS14/4., gned WEL, all the re-	ses of these limits, respirable airborne dust which will be conce unce with the methods descril ampling and gravimetric ana ls., The COSHH definition of of any kind when present at ng.m-3 8-hour TWA of inhala dust. This means that any du sed to dust above these level is and exposure to these must trial dusts contain particles of n and fate of any particular pay ystem, and the body respons the particle. HSE distinguished termed 'inhalable' and 'respi on of airborne material that es therefore available for depo approximates to the fraction t lung. Fuller definitions and e Where dusts contain compor elevant limits should be comp posure limit is listed, a figure the e used.	collected when bed in lysis or respira- a substance a concentration ble dust or 4 ust will be sub- s. Some dusts to comply with f a wide range article after e that it elicits, es two size rable'., Inhala- enters the nose sition in the hat penetrates xplanatory nents that have lied with.,
		TWA (Respirable dust)	4 mg/m3	GB EH40
	halable dust a sampling is ur MDHS14/4 G ble, thoracic a hazardous to	are those fractions of indertaken in accorda eneral methods for s and inhalable aeroso health includes dust	ses of these limits, respirable airborne dust which will be c ince with the methods descril ampling and gravimetric ana ls., The COSHH definition of of any kind when present at ng.m-3 8-hour TWA of inhala	ollected when bed in lysis or respira- a substance a concentration

### SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006



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		ject to COSHI have been as: the appropriat of sizes. The I entry into the depend on the fractions for lin ble dust appro- and mouth du respiratory tra to the gas exc material are g their own assi Where no spe long-term exp	H if people are expo signed specific WEI the limits., Most indust behaviour, deposition human respiratory set a nature and size of mit-setting purposes oximates to the fract ring breathing and in tot. Respirable dust change region of the iven in MDHS14/4. gned WEL, all the re costre limit should be		s. Some dusts the comply with is a wide range article after that it elicits, the stwo size rable'., Inhala- inters the nose sition in the that penetrates explanatory the sthat have lied with.,
Desog	jestrel	54024-22-5	TWA	0.04 µg/m3 (OEB 5)	Internal
			Wipe limit	0.4 µg/100 cm <sup>2</sup>	Internal
Ethiny	lestradiol	57-63-6	TWA	0.01 μg/m3 (OEB 5)	Internal
			Wipe limit	0.1 µg/100 cm²	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.

### Personal protective equipment

Eye protection

 Wear safety glasses with side shields or goggles.
 If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles.
 Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or

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Hand	protection	aerosols.	
Ма	terial	: Chemical-resis	tant gloves
	marks nd body protection	Additional body task being perf posable suits) t	or laboratory coat. / garments should be used based upon the ormed (e.g., sleevelets, apron, gauntlets, dis- to avoid exposed skin surfaces. e degowning techniques to remove potentially
Respir Filter t	ratory protection ype	: If adequate loc sure assessme ommended gui	al exhaust ventilation is not available or expo- ent demonstrates exposures outside the rec- delines, use respiratory protection. uld conform to BS EN 143

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

### 9.1 Information on basic physical and chemical properties

: : :	powder White to light yellow No data available No data available
:	No data available
:	No data available
:	No data available
:	Not applicable
:	Not applicable
:	May form explosive dust-air mixture during processing, han- dling or other means.
:	No data available
:	No data available
:	No data available
:	Not applicable
:	Not applicable
	::



dizing.
essing, han-

### **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

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ersion 5	Revision Date: 09.04.2021	SDS Number: 19059-00019	Date of last issue: 16.10.2020 Date of first issue: 06.10.2014
	e toxicity		
Not cl	assified based on ava	ilable information.	
Comp	oonents:		
	gestrel:	/	
Acute	oral toxicity	: LD50 (Rat,	male and female): > 2,000 mg/kg
		LD50 (Mou	ise, male and female): > 2,000 mg/kg
Ethin	ylestradiol:		
Acute	oral toxicity	: LD50 (Rat)	: 1,200 mg/kg
		LD50 (Mou	ıse): 1,737 mg/kg
Acute	inhalation toxicity	: Remarks: I	No data available
Acute	dermal toxicity	: Remarks: I	No data available
-	oonents: ylestradiol: ırks	: No data av	ailable
	-	: No data av	ailable
	<b>us eye damage/eye</b> i assified based on ava		
	oonents:		
	ylestradiol:		
Rema	· .	: No data av	ailable
Resp	iratory or skin sensi	tisation	
-	sensitisation assified based on ava	ilable information.	
•	iratory sensitisation assified based on ava	ilable information.	
Comp	oonents:		
<b>Ethin</b> Rema	<b>ylestradiol:</b> ırks	: No data av	ailable
Germ	cell mutagenicity		
Not cl	assified based on ava	ilable information.	

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<u>Comp</u>	onents:			
Desog	jestrel:			
-	oxicity in vitro	:	Test Type: Bact Result: negative	erial reverse mutation assay (AMES)
Genoto	oxicity in vivo	:	Test Type: Micro Species: Rat Application Rou Result: negative	te: Intraperitoneal
Ethiny	lestradiol:			
Genoto	oxicity in vitro	:		erial reverse mutation assay (AMES) almonella typhimurium
			Test Type: Bact Test system: Es Result: negative	
				omosome aberration test in vitro uman lymphocytes al
Genoto	oxicity 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
Germ sessm	cell mutagenicity- As- ent	:	Weight of evide cell mutagen.	nce does not support classification as a germ
	ogenicity			
	ause cancer. <b>onents:</b>			
	jestrel:			
Specie		:	Rat	
Applica	ation Route	:	Oral	
Expos Result	ure time	:	104 weeks negative	
Specie		:	Mouse	
	ation Route	:	Oral 81 wooks	
Expos	ure time	:	81 weeks	



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F	Result		:	negative		
E	Ethiny	estradiol:				
S	Species	S	:	Rat, male and fe	male	
A	Applica	tion Route	:	Oral		
E	Exposu	ire time	:	2 Years		
F	Result		:	negative		
	Species		:	Monkey, female		
		tion Route	:	Oral		
	•	ire time	:	10 Years		
F	Result		:	negative		
	Carcino nent	ogenicity - Assess-	:	Positive evidence from human epidemiological studies		
F	Reproc	luctive toxicity				
	•	mage fertility. May da	amag	e the unborn child		
<u>c</u>	Compo	onents:				
0	Desog	estrel:				
E	Effects	on fertility	:	Test Type: Fertili	ty/early embryonic development	
		•		Species: Rabbit,		
					Parent: 2 mg/kg body weight	
				Result: Effects o	n fertility	
				Test Type: Fertili	ty/early embryonic development	
				Species: Rat, fer		
				Fertility: NOAEL	Parent: 0.5 mg/kg body weight	
				Result: No effect	s on fertility	
E	Effects	on foetal develop-	:	Test Type: Embr	yo-foetal development	
	nent			Species: Rabbit,		
				Application Rout		
					oxicity: NOAEL F1: 1 mg/kg body weight	
					oxic effects and adverse effects on the off-	
				spring were dete	cted., No teratogenic effects	
					yo-foetal development	
				Species: Rat, fer		
				Application Rout		
				•	xicity: LOAEC Parent: 0.125 mg/kg body	
				weight Result: No terato	aconic offects	
				Result. No terato		
F	Reprod	uctive toxicity - As-	:	Clear evidence c	f adverse effects on sexual function and fertil-	
S	sessme	ent			mal experiments., Some evidence of adverse	
				effects on develo	ppment, based on animal experiments.	
	Ithiny	estradial.				
	-	estradiol:	-	Oppoint Lamet	~	
E	Enects	on fertility	÷	Species: Hamste	er 6.3 mg/kg body weight	
				rerunty. LOAEL.	o.o myrky body weigin	



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			Result: Effects on	fertility
Eff me	ects on foetal develop- nt	:	Species: Rat Application Route Developmental To Result: Specific d	oxicity: LOAEL: > 0.006 mg/kg body weight evelopmental abnormalities eneration reproduction toxicity study le and female
			Developmental To	oxicity: LOAEL: 0.005 mg/kg body weight evelopmental abnormalities
	productive toxicity - As- ssment	:	ity, based on anin	adverse effects on sexual function and fertil- nal experiments., Clear evidence of adverse oment, based on animal experiments.
ST	OT - single exposure			
No	t classified based on availa	able	information.	
	OT - repeated exposure			
Ca	uses damage to organs thr	roug	h prolonged or rep	eated exposure.
<u>Co</u>	mponents:			
De	sogestrel:			
Tar	get Organs	:	Pituitary gland, Ut gland, Prostate	terus (including cervix), Ovary, Mammary
Ass	sessment	:		to organs through prolonged or repeated
Eth	ninylestradiol:			
	rget Organs sessment	:	Liver, Blood Causes damage t exposure.	to organs through prolonged or repeated
Re	peated dose toxicity			
<u>Co</u>	mponents:			
De	sogestrel:			
Spe LO Apj Exp	ecies AEL plication Route posure time rget Organs		Rat, female 0.00625 mg/kg Oral 26 Weeks Pituitary gland, Ut gland	terus (including cervix), Ovary, Mammary
LÔ Apj	ecies AEL plication Route posure time	:	Rat 0.005 mg/kg Oral 52 Weeks	

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Target	Organs	: Pituitary glar gland	nd, Uterus (including cervix), Ovary, Mammary
Exposi		: Dog : 0.005 mg/kg : Oral : 52 Weeks : Pituitary glar gland, Prosta	nd, Uterus (including cervix), Ovary, Mammary
Ethiny	lestradiol:		
Exposi	L	: Rat : 0.25 mg/kg : 0.5 mg/kg : Oral : 2 Weeks : Liver	
Exposi		: Rabbit : 0.015 mg/kg : Oral : 20 Weeks : Liver	
Exposi	L	: Dog : 0.04 mg/kg : 0.2 mg/kg : Oral : 95 d : Blood	
	L	: Rat, male ar : 0.0015 mg/k : 0.005 mg/kg : Oral : 2 yr : Reproductive ing cervix)	g

#### **Components:**

### Desogestrel:

Ingestion

: Symptoms: Headache, changes in libido, Dizziness, Nausea, Vomiting, Diarrhoea, water retention, sodium retention, Gastrointestinal discomfort, mental depression, amenorhea, insomnia, impaired glucose tolerance, pulmonary embolism Target Organs: Uterus (including cervix) Target Organs: Mammary gland

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	nylestradiol:			
Inges	stion	: Symptoms: Abdominal pain, Nausea, Vomiting, Diarrhoea Headache, Dizziness, mood swings, Oedema, liver functi change, water retention, hair loss, gynecomastia, effects menstruation		
SECTIO	N 12: Ecological infor	ma	tion	
12.1 Toxi	city			
<u>Com</u>	ponents:			
Desc	ogestrel:			
Τοχία	city to fish	:	Exposure time: Method: FDA 4.	
			Exposure time: Method: OECD Remarks: No to:	macrochirus (Bluegill sunfish)): 1.3 mg/l 96 h Test Guideline 203 xicity at the limit of solubility rom similar materials
	city to daphnia and other tic invertebrates	:	Exposure time: Method: OECD Remarks: No to:	magna (Water flea)): > 3.9 mg/l 48 h Test Guideline 202 xicity at the limit of solubility rom similar materials
Τοχία	Toxicity to microorganisms		Method: OECD	
Toxic icity)	city to fish (Chronic tox-	:	Method: OECD	
	city to daphnia and other tic invertebrates (Chron-	:	NOEC: 1.2 mg/l Exposure time: :	



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	ic toxici	ty)			magna (Water flea) on data from similar materials
	M-Factor toxicity)	or (Chronic aquatic	:	10,000	
	Ethinyl	estradiol:			
	Toxicity	r to fish	:	LC50 (Lepomis m Exposure time: 96 Method: OECD Te	
	Toxicity plants	v to algae/aquatic	:	EC50 (Pseudokirc mg/l Exposure time: 72 Method: OECD Te	
				NOEC (Pseudokir mg/l Exposure time: 72 Method: OECD Te	
	Toxicity	to microorganisms	:	EC50 : > 1,000 m Exposure time: 3 I Test Type: Respir Method: OECD Te	ation inhibition
				NOEC : 24.9 mg/l Exposure time: 3 l Test Type: Respir Method: OECD Te	ation inhibition
	Toxicity icity)	to fish (Chronic tox-	:	NOEC: 0.01 µg/l Exposure time: 35 Species: Pimepha Method: OECD Te	les promelas (fathead minnow)
				NOEC: 0.00031 µ Exposure time: 33 Species: Zebrafisł	9 d
		to daphnia and other invertebrates (Chron- ty)	:	NOEC: 0.75 mg/l Exposure time: 21 Species: Daphnia Method: OECD Te	magna (Water flea)
	M-Factor toxicity)	or (Chronic aquatic	:	100,000	
12.2	2 Persist	tence and degradabil	ity		
	Compo	onents:			
	Desoge	estrel:			
	-	/ in water	:	Hydrolysis: < 10 % Remarks: Based o	5(5 d) on data from similar materials

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	ccumulative potential			
Com	ponents:			
	ogestrel:	0		
Bioa	ccumulation	Biocon	centration fa	macrochirus (Bluegill sunfish) actor (BCF): 128 n data from similar materials
	tion coefficient: n- nol/water	: log Po	w: 3.5	
Ethi	nylestradiol:			
Bioa	ccumulation	Biocon	centration fa	macrochirus (Bluegill sunfish) actor (BCF): 264 st Guideline 305
	tion coefficient: n- nol/water	: log Po	w: 4.15	
12.4 Mob	ility in soil			
<u>Com</u>	ponents:			
Desc	ogestrel:			
	ibution among environ- tal compartments	: log Ko	c: 2.84	
Ethi	nylestradiol:			
	ibution among environ- al compartments	: log Ko	c: 3.86	
12.5 Res	ults of PBT and vPvB a	ssessment		
Prod	luct:			
Asse	essment	to be e very pe	ither persist	xture contains no components considered ent, bioaccumulative and toxic (PBT), or d very bioaccumulative (vPvB) at levels of
12.6 Othe	er adverse effects			
Proc				
Endo tial	ocrine disrupting poten-	ered to REACI (EU) 2	have endo H Article 57	ture does not contain components consid- crine disrupting properties according to f) or Commission Delegated regulation Commission Regulation (EU) 2018/605 at igher.
SECTIO	N 13: Disposal consi	derations		

### 13.1 Waste treatment methods

Product

: Dispose of in accordance with local regulations.





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Conta	Contaminated packaging		<ul> <li>According to the European Waste Catalogue, Waste Code are not product specific, but application specific.</li> <li>Waste codes should be assigned by the user, preferably ir discussion with the waste disposal authorities.</li> <li>Empty containers should be taken to an approved waste h dling site for recycling or disposal.</li> <li>If not otherwise specified: Dispose of as unused product.</li> </ul>			
SECTION	14: Transport infor	nat	tion			
14.1 UN ու	umber					
ADN		:	UN 3077			
ADR		:	UN 3077			
RID		:	UN 3077			
IMDG		:	UN 3077			
ΙΑΤΑ		:	UN 3077			
14.2 UN proper 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, Desogestrel)		
IMDG		:	ENVIRONMENTA N.O.S. (Ethinylestradiol,	ALLY HAZARDOUS SUBSTANCE, SOLID, Desogestrel)		
ΙΑΤΑ		:	Environmentally h (Ethinylestradiol,	nazardous substance, solid, n.o.s. Desogestrel)		
14.3 Trans	port hazard class(es)					
ADN		:	9			
ADR		:	9			
RID		:	9			
IMDG		:	9			
ΙΑΤΑ		:	9			
14.4 Packi	ng group					
Classi	ng group fication Code d Identification Number	:	III M7 90 9			

according to Regulation (EC) No. 1907/2006



# **Desogestrel / Ethinyl Estradiol Formulation**

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	Hazard Labels	g group cation Code Identification Number restriction code		III M7 90 9 (-)	
		g group cation Code Identification Number		III M7 90 9	
	IMDG Packing Labels EmS Co		:	III 9 F-A, S-F	
	aircraft)	g instruction (cargo		956 Y956 III Miscellaneous	
	Packing ger airc	g instruction (LQ)		956 Y956 III Miscellaneous	
14.5	5 Enviro	nmental hazards			
	ADR	mentally hazardous	:	yes	
	RID	mentally hazardous	•	yes	
	IMDG	mentally hazardous	:	yes	
		pollutant	:	yes	
		Passenger) mentally hazardous	:	yes	
	IATA (C Environ	Cargo) mentally hazardous	:	yes	
14.6	Specia	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



according to Regulation (EC) No. 1907/2006

## **Desogestrel / Ethinyl Estradiol Formulation**

:

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#### Remarks

Not applicable for product as supplied.

### **SECTION 15: Regulatory information**

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances,	:	Not applicable
preparations and articles (Annex XVII) REACH - Candidate List of Substances of Very High	:	Not applicable
Concern for Authorisation (Article 59).		
REACH - List of substances subject to authorisation	:	Not applicable
(Annex XIV)		
Regulation (EC) No 1005/2009 on substances that de-	:	Not applicable
plete the ozone layer		
Regulation (EU) 2019/1021 on persistent organic pollu-	:	Not applicable
tants (recast)		
Regulation (EC) No 649/2012 of the European Parlia-	:	Not applicable
ment and the Council concerning the export and import		
of dangerous chemicals		
Sources III: Directive 2012/18/ELL of the European Darlien	nont	and of the Council on the co

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. Quantity 1 Quantity 2

		Quantity I	Quantity Z
E1	ENVIRONMENTAL	100 t	200 t
	HAZARDS		

#### Other regulations:

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

### 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**

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

#### Full text of H-Statements

H302	:	Harmful if swallowed.
H350	:	May cause cancer.
H360Fd	:	May damage fertility. Suspected of damaging the unborn



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H360F H372 H410	D	:	Causes damage t exposure.	ity. May damage the unborn child. o organs through prolonged or repeated tic life with long lasting effects.
Full te	xt of other abbreviation	ons		
Carc. Repr. STOT GB EH	c Chronic RE	:	UK. EH40 WEL -	<i>,</i> .

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 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; TRGS -Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

Sources of key data used to	:	Internal t
compile the Safety Data		eChem F
Sheet		cy, http://

Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/

### **Classification of the mixture:**

**Classification procedure:** 



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Carc.	1A	H350	Calculation method
Repr.	1B	H360FD	Calculation method
STOT	RE 1	H372	Calculation method
Aquati	c Chronic 1	H410	Calculation method
Repr. STOT	1B RE 1	H360FD H372	Calculation method 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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