

Versi 4.5	on	Revision Date: 04/09/2021		DS Number: 615-00020	Date of last issue: 10/10/2020 Date of first issue: 09/29/2014			
SEC	TION 1	. IDENTIFICATION						
I	Produc	t name t code neans of identification	:	Etonogestrel Forr NEXPLANON No data available	mulation (Nexplanon)			
I	Manufa	acturer or supplier's o	deta	ails				
-	Company name of supplier Address Telephone Emergency telephone		:	Organon & Co. 30 Hudson Street, 33nd floor Jersey City, New Jersey, U.S.A 07302 551-430-6000 215-631-6999				
		address	:	: EHSSTEWARD@organon.com				
	Recom	mended use of the c	hen	nical and restriction	ons on use			
I	Recommended use		:	Pharmaceutical				
I	Restric	tions on use	:	Not applicable				
SEC	TION 2	. HAZARDS IDENTIFI	CA.	ΤΙΟΝ				
	GHS cl	assification in accore	dan	ce with the Hazar	dous Products Regulations			
I	Reprod	luctive toxicity	:	Category 1A				
		<b>bel elements</b> pictograms	:					
;	Signal	Word	:	Danger				
I	Hazard	Statements	:	H360F May dama	age fertility.			
I	Precau	tionary Statements	:	Prevention:				

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P280 Wear protective gloves, protective clothing, eye protection and face protection.

#### **Response:**

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

#### Storage:

P405 Store locked up.

#### Disposal:

P501 Dispose of contents and container to an approved waste disposal plant.



Version	Revision Date:	SDS Number:	Date of last issue: 10/10/2020
4.5	04/09/2021	16615-00020	Date of first issue: 09/29/2014

#### Other hazards

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

	Common Name/Synonym	CAS-No.	Concentration (% w/w)
(17α)-13-Ethyl-17- hydroxy-11-methylene- 18,19-dinorpregn-4-en- 20-yn-3-one	ble	54048-10-1	>= 30 - < 60 *
Barium sulfate	Sulfuric acid, barium salt	7727-43-7	>= 10 - < 30 *

\* Actual concentration or concentration range is withheld as a trade secret

#### **SECTION 4. FIRST AID MEASURES**

General advice	:	In the case of accident or if you feel unwell, seek medical advice 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 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 swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	:	
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).
Notes to physician	:	Treat symptomatically and supportively.

#### **SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media :

Water spray Alcohol-resistant foam Carbon dioxide (CO2)



Version 4.5	Revision Date: 04/09/2021		OS Number: 615-00020	Date of last issue: 10/10/2020 Date of first issue: 09/29/2014
Unsuita media	Unsuitable extinguishing		Dry chemical None known.	
Specifi	c hazards during fire	:	Exposure to comb	pustion products may be a hazard to health.
	fighting Hazardous combustion prod- ucts		Metal oxides Sulfur oxides Carbon oxides	
Specifi ods	Specific extinguishing meth- ods		cumstances and t Use water spray t Remove undama so.	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do
	l protective equipment fighters	:		e, wear self-contained breathing apparatus. tective equipment.
SECTION 6	. ACCIDENTAL RELE	AS	E MEASURES	
tive eq	Personal precautions, protec- tive equipment and emer- gency procedures		Follow safe handl	tective equipment. ing advice (see section 7) and personal lent recommendations (see section 8).
Enviro	Environmental precautions		Retain and dispos	akage or spillage if safe to do so. se of contaminated wash water. should be advised if significant spillages
	Methods and materials for containment and cleaning up		container for disp Avoid dispersal of with compressed Dust deposits sho surfaces, as these released into the Local or national disposal of this m employed in the of determine which in Sections 13 and f	dust in the air (i.e., clearing dust surfaces

#### SECTION 7. HANDLING AND STORAGE

Technical measures	<ul> <li>Static electricity may accumulate and ignite suspende causing an explosion.</li> <li>Provide adequate precautions, such as electrical grou and bonding, or inert atmospheres.</li> </ul>	
Local/Total ventilation	: If sufficient ventilation is unavailable, use with local ex ventilation.	haust
Advice on safe handling	: Do not get on skin or clothing. Do not breathe dust.	



Versio 4.5	n Revision Date: 04/09/2021	SDS Number: 16615-00020	Date of last issue: 10/10/2020 Date of first issue: 09/29/2014
		practice, based assessment Keep container Minimize dust g Keep container Keep away fron Take precautior	rith eyes. dance with good industrial hygiene and safety on the results of the workplace exposure
С	onditions for safe storage	Store locked up Keep tightly close	
Μ	laterials to avoid		h the following product types:

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

:

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
(17α)-13-Ethyl-17-hydroxy-11- methylene-18,19-dinorpregn-4- en-20-yn-3-one	54048-10-1	TWA	0.05 μg/m3 (OEB 5)	Internal
		Wipe limit	0.5 µg/100 cm <sup>2</sup>	Internal
Barium sulfate	7727-43-7	TWA	10 mg/m <sup>3</sup>	CA AB OEL
		TWAEV (respirable dust)	5 mg/m³	CA QC OEL
		TWAEV (to- tal dust)	10 mg/m³	CA QC OEL
		TWA (Inhal- able)	5 mg/m³	CA BC OEL
		TWA (Inhalable particulate matter)	5 mg/m³	ACGIH

#### 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.



Version 4.5	Revision Date: 04/09/2021	SDS Number: 16615-00020	Date of last issue: 10/10/2020 Date of first issue: 09/29/2014			
		Totally enclo are required Operations r	equire the use of appropriate containment designed to prevent leakage of compounds into			
Perse	onal protective equip	nent				
Fi	iratory protection Iter type I protection	exposure as recommend	If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection. Particulates type			
M	aterial	: Chemical-re	sistant gloves			
	emarks protection	: Wear safety If the work e mists or aero Wear a face	Consider double gloving. 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			
Skin	and body protection	: Work uniforr Additional be task being p disposable s	n or laboratory coat. ody garments should be used based upon the erformed (e.g., sleevelets, apron, gauntlets, suits) to avoid exposed skin surfaces. riate degowning techniques to remove potentially			
Hygie	ene measures	: If exposure the eye flushing working place When using Wash contain The effective engineering appropriate industrial hy	to chemical is likely during typical use, provide systems and safety showers close to the			

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Solid form
Color	:	No data available
Odor	:	No data available
Odor Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling	:	No data available

### SAFETY DATA SHEET



# Etonogestrel Formulation (Nexplanon)

Vers 4.5	sion	Revision Date: 04/09/2021		S Number: 315-00020	Date of last issue: 10/10/2020 Date of first issue: 09/29/2014
	range				
	Flash p	oint	:	No data available	9
	Evapora	ation rate	:	No data available	)
	Flamma	ability (solid, gas)	:	May form explosi handling or other	ve dust-air mixture during processing, means.
	Flamma	ability (liquids)	:	No data available	)
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	3
	Vapor p	pressure	:	No data available	9
	Relative	e vapor density	:	No data available	
	Relative	e density	:	No data available	
	Density	,	:	1 g/cm <sup>3</sup>	
	Solubili Wat	ty(ies) er solubility	:	No data available	9
	Partition octanol	n coefficient: n-	:	No data available	9
		hition temperature	:	No data available	)
	Decom	position temperature	:	No data available	9
	Viscosi Visc	ty osity, dynamic	:	No data available	9
	Visc	osity, kinematic	:	No data available	)
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance of	r mixture is not classified as oxidizing.
	Molecu	lar weight	:	No data available	
	Particle	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- tions	:	May form explosive dust-air mixture during processing, handling or other means.



ersion 5	Revision Date: 04/09/2021	SDS Number: 16615-00020	Date of last issue: 10/10/2020 Date of first issue: 09/29/2014
		Can react w	vith strong oxidizing agents.
Condi	tions to avoid	: Heat, flame Avoid dust f	s and sparks. formation.
	patible materials dous decomposition cts	: Oxidizing ag : No hazardo	gents us decomposition products are known.
ECTION	11. TOXICOLOGICAL	. INFORMATION	
Inhala Skin o Inges	contact	es of exposure	
	e toxicity	tet te ferre en en e	
Not cl Produ	assified based on avai	lable information.	
-	oral toxicity		y estimate: > 5,000 mg/kg culation method
Comp	oonents:		
(17α)·	-13-Ethyl-17-hydroxy	-11-methylene-18,	19-dinorpregn-4-en-20-yn-3-one:
Acute	oral toxicity	: LD50 (Rat):	> 2,000 mg/kg
		LD50 (Mous	e): > 2,000 mg/kg
Bariu	m sulfate:		
Acute	oral toxicity	: LD50 (Rat):	> 5,000 mg/kg
	corrosion/irritation		
	assified based on avai	lable information.	
	oonents:		
(17α)· Speci		-11-methylene-18, : Mouse	19-dinorpregn-4-en-20-yn-3-one:
Resul		: No skin irrita	tion
Speci Resul		: Guinea pig : No skin irrita	tion
Bariu	m sulfate:		
Speci			d human epidermis (RhE) Guideline 439
Mothe	hd		
Metho Rema			ta from similar materials

**Revision Date:** 

Version



Date of last issue: 10/10/2020

# **Etonogestrel Formulation (Nexplanon)**

SDS Number:

SION	04/09/2021	16615-0002								
	ous eye damage/eye									
	Not classified based on available information.									
Com	ponents:									
Bariu	um sulfate:									
Spec		: Rabbit								
Resu Meth		: No eye : OECD ]	Fest Guideline 405							
Resp	piratory or skin sensi	tization								
Skin	sensitization									
Not c	lassified based on ava	ailable informati	on.							
Resp	piratory sensitization									
Not c	lassified based on ava	ailable informati	on.							
<u>Com</u>	ponents:									
Bariu	um sulfate:									
Test		: Local ly	mph node assay (LLNA)							
	es of exposure	: Skin co	ntact							
Spec		: Mouse								
Meth			OECD Test Guideline 429							
Resu Rema		: negative	e on data from similar materials							
<u>Com</u> (17α)		/-11-methylene	e-18,19-dinorpregn-4-en-20-yn-3-one:							
Genc	otoxicity in vitro	Test sys	pe: reverse mutation assay stem: Salmonella typhimurium negative							
		Test sys	pe: in vitro test stem: Chinese hamster ovary cells negative							
Genc	otoxicity in vivo	Species Applicat	pe: In vivo micronucleus test : Mouse ion Route: Oral negative							
	n cell mutagenicity - ssment		of evidence does not support classification as a gern							
Bariu	um sulfate:									
	ptoxicity in vitro		pe: Bacterial reverse mutation assay (AMES) negative s: Based on data from similar materials							



Version 4.5	Revision Date: 04/09/2021	SDS Number: 16615-00020	Date of last issue: 10/10/2020 Date of first issue: 09/29/2014
		Result: negativ Remarks: Base Test Type: In v Method: OECD Result: negativ	ed on data from similar materials itro mammalian cell gene mutation test 9 Test Guideline 476
	<b>inogenicity</b> lassified based on ava	ilable information.	
Com	ponents:		
Speci Applie Activi	ies cation Route ity duration	: Rat : Oral : 2 y : 0.5 mg/kg body	-dinorpregn-4-en-20-yn-3-one:
	ies cation Route ty duration	<ul> <li>negative</li> <li>Rat</li> <li>Subcutaneous</li> <li>2 y</li> <li>0.02 mg/kg boo</li> <li>negative</li> </ul>	dy weight
Carci ment	nogenicity - Assess-	: Weight of evide cinogen	ence does not support classification as a car-
Speci Applie	cation Route sure time It	: Rat : Ingestion : 2 Years : negative : Based on data	from similar materials
Mayo	oductive toxicity damage fertility. ponents:		
(17α)	-13-Ethyl-17-hydroxy	v-11-methylene-18,19	-dinorpregn-4-en-20-yn-3-one:
	ts on fertility	: Test Type: Fer Species: Rat, for Application Rot	tility emale ute: Oral L: 0.012 mg/kg body weight
		Test Type: Fer Species: Rabbi Application Ro Dose: 0.05 mill	it, female
		0 / 16	

### SAFETY DATA SHEET



### **Etonogestrel Formulation (Nexplanon)**

Vers 4.5	ion	Revision Date: 04/09/2021		S Number: 615-00020	Date of last issue: 10/10/2020 Date of first issue: 09/29/2014	
				Result: Effects on	fertility.	
	Effects on fetal development		:	Species: Rat, female Duration of Single Treatment: 14 d General Toxicity Maternal: NOAEL: 1.8 mg/kg body weigh Result: No teratogenic effects.		
	Reprod sessme	uctive toxicity - As- ent	:	Positive evidence of adverse effects on sexual function an fertility from human epidemiological studies.		
	Barium	sulfate:				
	Effects on fertility		:	<ul> <li>Test Type: Fertility/early embryonic development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials</li> </ul>		
	Effects on fetal development		:	Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Method: OECD Test Guideline 414 Result: negative Remarks: Based on data from similar materials		
	STOT A					
		<b>single exposure</b> ssified based on availa	ble	information.		
	_	epeated exposure				
		ssified based on availa	ble	information.		
	Compo	onents:				
	Barium	sulfate:				
	Assess	ment	:	No significant hea tions of 100 mg/kg	Ith effects observed in animals at concentra- g bw or less.	
	Repeat	ed dose toxicity				
	Compo	onents:				

#### (17α)-13-Ethyl-17-hydroxy-11-methylene-18,19-dinorpregn-4-en-20-yn-3-one:

Species LOAEL Application Route Exposure time Target Organs	:	Rat 0.5 mg/kg Oral 1 y Reproductive organs, Endocrine system
Species LOAEL Application Route Exposure time Target Organs	: : : : : : : : : : : : : : : : : : : :	Dog 0.625 mg/kg Oral 26 Weeks Reproductive organs, Endocrine system



Versio 4.5	n Revision Date: 04/09/2021		0S Number: 615-00020	Date of last issue: 10/10/2020 Date of first issue: 09/29/2014
S  N A  E	arium sulfate: pecies OAEL oplication Route xposure time emarks	:	Rat 61.1 mg/kg Ingestion 90 Days Based on data fro	om similar materials
N	spiration toxicity ot classified based on availa xperience with human exp			
	omponents:	031		
•	<b>7α)-13-Ethyl-17-hydroxy-1</b> halation	1-m :	Symptoms: Head Skin disorders, ef	<b>norpregn-4-en-20-yn-3-one:</b> ache, Dizziness, Abdominal pain, Nausea, fects on menstruation, vaginitis, breast ten- vings, male reproductive effects, Sweating
SECTI	ON 12. ECOLOGICAL INFO	DRI	IATION	
E	cotoxicity			
<u>C</u>	omponents:			
•	<b>7α)-13-Ethyl-17-hydroxy-1</b> oxicity to fish	1-m :	•	
			Exposure time: 96 Method: OECD T	
	oxicity to daphnia and other quatic invertebrates	:	Exposure time: 48 Method: FDA 4.08	
	oxicity to fish (Chronic tox- ity)	:	NOEC (Pimephal Exposure time: 32 Method: OECD T	
			NOEC (Oryzias la Exposure time: 18 Method: OECD T	
ac	oxicity to daphnia and other quatic invertebrates (Chron-toxicity)	:	NOEC (Daphnia r Exposure time: 27	nagna (Water flea)): 1.2 mg/l I d
	oxicity to microorganisms	:	NOEC: 70.8 mg/l Exposure time: 3 Test Type: Respin Method: OECD T	ation inhibition



ersion 5	Revision Date: 04/09/2021		9S Number: 615-00020	Date of last issue: 10/10/2020 Date of first issue: 09/29/2014
			EC50: > 1,000 m Exposure time: 3 Test Type: Respi Method: OECD T	ĥ
Bariu	n sulfate:			
Toxicit	ty to fish	:	Exposure time: 90 Method: OECD T	o (zebra fish)): > 100 mg/l 6 h est Guideline 203 on data from similar materials
	ty to daphnia and other c invertebrates	:	Exposure time: 48	nagna (Water flea)): > 10 - 100 mg/l 8 h on data from similar materials
Toxicit plants	ty to algae/aquatic	:	mg/l Exposure time: 72 Method: OECD T	rchneriella subcapitata (green algae)): > 1 2 h est Guideline 201 on data from similar materials
			mg/l Exposure time: 72 Method: OECD T	
Toxicit icity)	ty to fish (Chronic tox-	:	Exposure time: 33 Method: OECD T	io (zebra fish)): > 1 mg/l 3 d est Guideline 210 on data from similar materials
	ty to daphnia and other c invertebrates (Chron- city)	:	Exposure time: 2	magna (Water flea)): > 1 mg/l 1 d on data from similar materials
Toxicit	ty to microorganisms	:		

#### Persistence and degradability

Components:

$(17\alpha) \hbox{-} 13 \hbox{-} Ethyl \hbox{-} 17 \hbox{-} hydroxy \hbox{-} 11 \hbox{-} methylene \hbox{-} 18, 19 \hbox{-} dinorpregn \hbox{-} 4 \hbox{-} en \hbox{-} 20 \hbox{-} yn \hbox{-} 3 \hbox{-} one:$							
Stability in water	:	Hydrolysis: < 10 %(5 d) Method: FDA 3.09					

Version

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Revision Date:



Date of last issue: 10/10/2020

# Etonogestrel Formulation (Nexplanon)

SDS Number:

4.5	04/09/2021	16	615-00020	Date of first issue: 09/29/2014						
	Bioaccumulative potential									
	Components:									
	(17α)-13-Ethyl-17-hydroxy-11-methylene-18,19-dinorpregn-4-en-20-yn-3-one:									
	Bioaccumulation	:	Bioconcentratio	nis macrochirus (Bluegill sunfish) on factor (BCF): 128 9 Test Guideline 305						
	Partition coefficient: n- octanol/water	:	log Pow: 3.5							
	Barium sulfate:									
	Bioaccumulation	:		nis macrochirus (Bluegill sunfish) on factor (BCF): < 500						
	Partition coefficient: n- octanol/water	:	log Pow: -1.03 Remarks: Calc	ulation						
	Mobility in soil									
	Components:									
(17α)-13-Ethyl-17-hydroxy-11-methylene-18,19-dinorpregn-4-en-20-yn-3-one:										
	Distribution among environ- mental compartments	:	log Koc: 2.84 Method: FDA 3	.08						
	Other adverse effects									
	No data available									
SEC	TION 13. DISPOSAL CONSI	DE	RATIONS							
	Disposal methods									
	Waste from residues Contaminated packaging	:	Empty containe handling site fo	ccordance with local regulations. ers should be taken to an approved waste r recycling or disposal. e specified: Dispose of as unused product.						
SEC	TION 14. TRANSPORT INFO	DRN	IATION							
	International Regulations									
	UNRTDG									
	UN number	:	UN 3077							
	Proper shipping name	:	N.O.S. ((17α)-13-Ethy	TALLY HAZARDOUS SUBSTANCE, SOLID,						
	Class	:	4-en-20-yn-3-o 9							
	Packing group Labels	:	9 111							
	IATA-DGR									



Version 4.5	Revision Date: 04/09/2021		S Number: 615-00020	Date of last issue: 10/10/2020 Date of first issue: 09/29/2014
• •	UN/ID No. Proper shipping name			azardous substance, solid, n.o.s. 7-hydroxy-11-methylene-18,19-dinorpregn- )
Lab Pac airc Pac ger	king group els king instruction (cargo	-	9 III Miscellaneous 956 956 yes	
UN	<b>G-Code</b> number per shipping name	-	N.O.S.	ALLY HAZARDOUS SUBSTANCE, SOLID, 7-hydroxy-11-methylene-18,19-dinorpregn-4-
Pac Lab Em Mar	king group els S Code ine pollutant	:	III 9 F-A, S-F yes	
ira	nsport in bulk according	j to A	Annex II of WARP	OL 73/78 and the IBC Code

Not applicable for product as supplied.

#### Domestic regulation

TDG		
UN number	:	UN 3077
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
		((17α)-13-Ethyl-17-hydroxy-11-methylene-18,19-dinorpregn- 4-en-20-yn-3-one)
Class	:	9
Packing group	:	III
Labels	:	9
ERG Code	:	171
Marine pollutant	:	yes((17α)-13-Ethyl-17-hydroxy-11-methylene-18,19- dinorpregn-4-en-20-yn-3-one)

#### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### SECTION 15. REGULATORY INFORMATION

#### The ingredients of this product are reported in the following inventories:

: not determined

AICS	:	not determined

DSL



Version 4.5	Revision Date: 04/09/2021	SDS Number: 16615-00020	Date of last issue: 10/10/2020 Date of first issue: 09/29/2014			
IECSC		: not determin	ed			
SECTION 16. OTHER INFORMATION						
Full to	ext of other abbrevia	tions				
ACGIH		: USA. ACGIH	USA. ACGIH Threshold Limit Values (TLV)			
CA AB OEL			Canada. Alberta, Occupational Health and Safety Code (table			
		2: OEL)				
CA BC OEL			: Canada. British Columbia OEL			
CA Q	C OEL		pulation respecting occupational health and safe- 1, Part 1: Permissible exposure values for air- ninants			
ACGIH / TWA		: 8-hour, time-	8-hour, time-weighted average			
CA AB OEL / TWA		: 8-hour Occu	8-hour Occupational exposure limit			
CA BC OEL / TWA		: 8-hour time v	8-hour time weighted average			

CA BC OEL / TWA : 8-hour time weighted average CA QC OEL / TWAEV : Time-weighted average exposure value

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association: IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing 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; 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

Sources of key data used to : compile the Material Safety Data Sheet

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



Version	Revision Date:	SDS Number:	Date of last issue: 10/10/2020
4.5	04/09/2021	16615-00020	Date of first issue: 09/29/2014
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CA / Z8