

according to Regulation (EC) No. 1907/2006

# **Tibolone Formulation**

Vers 2.5	sion	Revision Date: 09.04.2021		DS Number: 989-00021	Date of last issue: 16.10.2020 Date of first issue: 30.09.2014
SEC	CTION	1: Identification of	the	substance/mixt	ure and of the company/undertaking
1.1	Product	t identifier			
	Trade r	name	:	Tibolone Formula	ition
1.2	Relevar	nt identified uses of t	he s	substance or mixt	ure and uses advised against
		the Sub- /Mixture	:	Pharmaceutical	
1.3 [	Details	of the supplier of the	sat	ety data sheet	
	Compa	iny	:	Organon & Co. 30 Hudson Stree 07302 Jersey Cit	t, 33nd floor ty, New Jersey, U.S.A
	Teleph	one	:	551-430-6000	
		address of person sible 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)

1: Suspected of causing cancer.
0F: May damage fertility.
3: May cause damage to organs through pro-
ed or repeated exposure.

### 2.2 Label elements

Signal word

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

:

:

Hazard pictograms



**Prevention:** 

Danger

Hazard statements Suspected of causing cancer. : H351 H360F May damage fertility. H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P201 Obtain special instructions before use.

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P260 Do not breathe dust.P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

#### **Response:**

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

### Storage:

P405 Store locked up.

## Hazardous components which must be listed on the label:

Tibolone

## 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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 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.	Classification	Concentration
	EC-No.		(% w/w)
	Index-No.		
	Registration number		
Tibolone	5630-53-5	Carc. 2; H351	> 1 - <= 2.5
	227-069-1	Repr. 1B; H360Fd	
		STOT RE 1; H372	
		(Bone, Endocrine	
		system)	

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 advice immediately.

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		When sympto advice.	oms persist or in all cases of doubt seek medical		
Prote	ction of first-aiders	and use the	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).		
lf inha	aled	: If inhaled, rer Get medical	nove to fresh air. attention.		
In cas	e of skin contact	of water. Remove con Get medical Wash clothin	ntact, immediately flush skin with soap and plenty taminated clothing and shoes. attention. g before reuse. lean shoes before reuse.		
In case of eye contact			se well with water. attention if irritation develops and persists.		
lf swa	llowed	Get medical	DO NOT induce vomiting. attention. thoroughly with water.		
4.2 Most i	mportant symptoms	and effects, both a	cute and delayed		
Risks		: Suspected of May damage	causing cancer.		
		the skin.	dust can cause mechanical irritation or drying of with the eyes can lead to mechanical irritation.		
4.3 Indica	tion of anv immediat	e medical attentior	and special treatment needed		
Treat	•		matically and supportively.		

# **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- : Avoid generating dust; fine dust dispersed in air in sufficient

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	fighting			potential dust exp	nd in the presence of an ignition source is a losion hazard. pustion products may be a hazard to health.
	Hazard ucts	lous combustion prod-	:	Carbon oxides	
5.3	Advice	for firefighters			
	Specia for firef	l protective equipment ighters	:		e, wear self-contained breathing apparatus. tective equipment.
	Specific ods	c extinguishing meth-	:	cumstances and t Use water spray t	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

# **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	<ul> <li>Sweep up or vacuum up spillage and collect in suitable container for disposal.</li> <li>Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).</li> <li>Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.</li> <li>Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.</li> <li>Sections 13 and 15 of this SDS provide information regarding entries.</li> </ul>
	Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

## 6.4 Reference to other sections

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

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# **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling **Technical measures** Static electricity may accumulate and ignite suspended dust 5 causing an explosion. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. If sufficient ventilation is unavailable, use with local exhaust Local/Total ventilation ventilation. Advice on safe handling Do not get on skin or clothing. 1 Do not breathe dust. Do not swallow. Avoid contact with eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Keep container tightly closed. Minimize dust generation and accumulation. Keep container closed when not in use. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the environment. If exposure to chemical is likely during typical use, provide eye Hygiene measures flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. 7.2 Conditions for safe storage, including any incompatibilities Requirements for storage Keep in properly labelled containers. Store locked up. Keep : tightly closed. Store in accordance with the particular national areas and containers regulations. Advice on common storage : Do not store with the following product types: Strong oxidizing agents Organic peroxides **Explosives**

### 7.3 Specific end use(s)

Specific use(s)

: No data available

Gases

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

#### 8.1 Control parameters

## Occupational Exposure Limits

Components	CAS-No.	Value type (Form	Control parameters	Basis
		of exposure)		

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	Starch		9005-25-8	OELV - 8 hrs (TWA) (Respira- ble dust)	4 mg/m3	IE OEL
					pecific short-term exposure lin exposure limit value should b	
				OELV - 8 hrs (TWA) (inhalable dust)	10 mg/m3	IE OEL
					pecific short-term exposure lin exposure limit value should b	
	Tibolon	е	5630-53-5	TWA	2 µg/m3	Internal
				Wipe limit	20 µg/100 cm <sup>2</sup>	Internal

## 8.2 Exposure controls

### **Engineering measures**

Minimize workplace exposure concentrations.

Apply measures to prevent dust explosions.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

If sufficient ventilation is unavailable, use with local exhaust ventilation.

#### Personal protective equipment

Eye protection	:	Wear the following personal protective equipment: Safety goggles Equipment should conform to I.S. EN 166
Hand protection		
Material	:	Chemical-resistant gloves
Remarks	:	Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous sub- stance and specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.
Skin and body protection	:	Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).
Respiratory protection	:	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Equipment should conform to I.S. EN 143
Filter type	:	Particulates type (P)

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

## 9.1 Information on basic physical and chemical properties

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	Physica Colour Odour Odour	al state Threshold	:	powder No data available No data available No data available	9
	Melting	point/freezing point	:	No data available	9
		oiling point and boiling	:	No data available	9
	range Flamma	ability (solid, gas)	:	May form explos dling or other me	ive dust-air mixture during processing, han- ans.
	Flamma	ability (liquids)	:	No data available	9
		explosion limit / Upper bility limit	:	No data available	9
		explosion limit / Lower bility limit	:	No data available	9
	Flash p	point	:	Not applicable	
	Auto-ig	nition temperature	:	No data available	9
		position temperature omposition tempera-	:	No data available	9
	рН		:	No data available	9
	Viscosi Visc	ty cosity, kinematic	:	Not applicable	
	Solubili Wat	ity(ies) er solubility	:	No data available	9
	Partitio octanol	n coefficient: n-	:	Not applicable	
		pressure	:	Not applicable	
	Relative	e density	:	No data available	9
	Density	/	:	1 g/cm <sup>3</sup>	
	Relative	e vapour density	:	Not applicable	
		e characteristics iicle size	:	No data available	9
9.2		formation			
	Explosi		:	Not explosive	
	Oxidizing properties		:	The substance o	r mixture is not classified as oxidizing.

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Evapo	pration rate	:	Not applicable	9		
SECTION	I 10: Stability and r	eactiv	ity			
<b>10.1 Reac</b> t Not cl	<b>tivity</b> assified as a reactivity	hazaro	I.			
	nical stability e under normal conditi	ons.				
0.3 Poss	ibility of hazardous r	eactior	าร			
	rdous reactions		May form exp dling or other	losive dust-air mixture during processing, han- means. n strong oxidizing agents.		
0.4 Cond	litions to avoid					
Conditions to avoid			: Heat, flames and sparks. Avoid dust formation.			
10.5 Incon	npatible materials					
Motor	ials to avoid		Oxidizing age	nts		
water		•				
	rdous decomposition					
<b>10.6 Haza</b> ı No ha	rdous decomposition azardous decomposition	n <b>produ</b> on produ	icts ucts are know			
10.6 Hazar No ha SECTION 11.1 Inform Inform expos	rdous decomposition izardous decomposition I 11: Toxicological mation on hazard cla mation on likely routes sure	n produ on produ inform sses as of :	ucts ucts are known			
10.6 Hazar No ha SECTION 11.1 Inform Inform expose Acute	rdous decomposition izardous decomposition I 11: Toxicological mation on hazard cla nation on likely routes	n produ on produ inform sses as of :   }	acts acts are known nation s defined in F nhalation Skin contact ngestion Eye contact	٦.		
10.6 Hazar No ha SECTION 11.1 Inform Inform expos Acute Not cl	rdous decomposition azardous decomposition I 11: Toxicological mation on hazard cla nation on likely routes sure	n produ on produ inform sses as of :   }	acts acts are known nation s defined in F nhalation Skin contact ngestion Eye contact	٦.		
10.6 Hazar No ha SECTION 11.1 Inform expose Acute Not cl <u>Comp</u> Tibole	rdous decomposition azardous decomposition I 11: Toxicological mation on hazard cla nation on likely routes sure e toxicity assified based on ava <u>conents:</u> one:	n produ on produ inform asses as of : 1	acts acts are known nation s defined in F nhalation Skin contact ngestion Eye contact formation.	ո. Regulation (EC) No 1272/2008		
10.6 Hazar No ha SECTION 11.1 Inform expose Acute Not cl <u>Comp</u> Tibole	rdous decomposition izardous decomposition I 11: Toxicological mation on hazard cla nation on likely routes sure e toxicity assified based on ava ponents:	n produ on produ inform asses as of : 1	acts acts are known nation s defined in F nhalation Skin contact ngestion Eye contact	ո. Regulation (EC) No 1272/2008		
10.6 Hazar No ha SECTION 11.1 Inform expose Acute Not cl <u>Comp</u> Tibole	rdous decomposition azardous decomposition I 11: Toxicological mation on hazard cla nation on likely routes sure e toxicity assified based on ava <u>conents:</u> one:	inform inform isses as of : 1	acts acts are known nation s defined in F nhalation Skin contact ngestion Eye contact formation.	ո. Regulation (EC) No 1272/2008		

# Skin corrosion/irritation

Not classified based on available information.

## Serious eye damage/eye irritation

Not classified based on available information.

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Respi	ratory or skin sensit	isation	
Skin s	ensitisation		
Not cla	assified based on ava		
	ratory sensitisation assified based on ava		
	cell mutagenicity assified based on ava	ilable information.	
<u>Comp</u>	onents:		
Tibolo	one:		
Genote	oxicity in vitro	: Test Type: Ba Result: negativ	cterial reverse mutation assay (AMES) /e
			romosome aberration test in vitro Chinese hamster ovary cells /e
			romosome aberration test in vitro Chinese hamster fibroblasts /e
Genote	oxicity in vivo	: Test Type: Mic Species: Rat Application Ro Result: negativ	ute: Oral
	nogenicity cted of causing cance	er.	
	onents:		
Tibolo			
Specie Applica Expos Result	es ation Route ure time		bladder, Pituitary gland, Testes, Mamma (including cervix)
Expos Result	ation Route ure time	: Mouse : Oral : 18 Months : positive : Liver, Respirat	ory system, Urinary bladder
Carcin ment	ogenicity - Assess-	: Limited eviden	ce of carcinogenicity in animal studies

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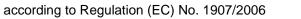


ersion 5	Revision Date: 09.04.2021	-	OS Number: 989-00021	Date of last issue: 16.10.2020 Date of first issue: 30.09.2014			
Com	ponents:						
Tibol	one:						
Effect	ts on fertility	:	Test Type: Fertilit Species: Rat, fen Symptoms: Effec	nale			
Effects on foetal develop- ment		:	Test Type: Embryo-foetal development Species: Rabbit Application Route: Oral Embryo-foetal toxicity: LOAEL: 0.07 mg/kg body weight Symptoms: Preimplantation loss, Reduced number of viable fetuses, Malformations were observed.				
Repro sessr	oductive toxicity - As- nent	:	ity, based on anir	f adverse effects on sexual function and fertil nal experiments., Some evidence of adverse pment, based on animal experiments.			
	<b>F - single exposure</b> lassified based on avail	lable	information.				
STO	<b>F</b> - repeated exposure	e ns through prolonged or repeated exposure.					
May o	cause damage to organ						
Com	ponents:						
Tibol	one:						
•	et Organs ssment	:	Bone, Endocrine Causes damage exposure.	system to organs through prolonged or repeated			
Repe	eated dose toxicity						
<u>Com</u>	ponents:						
Tibol	one:						
Expo	EL		Rat 0.05 mg/kg 0.5 mg/kg Oral 52 Weeks Endocrine system Adrenal gland, Bo	n, Reproductive organs, Mammary gland, one			
Expo	EL		Dog 0.05 mg/kg 0.5 mg/kg Oral 1 yr Endocrine systen ney	n, Reproductive organs, Adrenal gland, Kid-			

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-	<b>iration toxicity</b> classified based on availa	able	information.			
11.2 Info	ormation on other hazard	s				
End	locrine disrupting prope	rtie	s			
Pro	duct:					
Ass	essment	:	ered to have endo REACH Article 57	ixture does not contain components consid- ocrine disrupting properties according to 7(f) or Commission Delegated regulation or Commission Regulation (EU) 2018/605 at higher.		
Exp	erience with human exp	osi	ure			
<u>Con</u>	nponents:					
Tibo	olone:					
Inge	estion	:	ders, pruritis, brea fluid accumulation	ness, Headache, Blurred vision, Skin disor- ast tenderness, vaginitis, Abdominal pain, n, amenorhea, Gastrointestinal discomfort, pain, liver function change		
SECTIO	N 12: Ecological infor	ma	ation			
12.1 Tox	riaity					
	-					
	nponents: plone:					
	<pre>toxicology Assessment te aquatic toxicity</pre>	:	No data available			
	onic aquatic toxicity	:	No data available			
		•				
	sistence and degradabil data available	ity				
12.3 Bio	accumulative potential					
<u>Con</u>	nponents:					
Tibo	olone:					
	tition coefficient: n- anol/water	:	log Pow: 3.9			
12.4 Mol	bility in soil					
	data available					
12.5 Res	sults of PBT and vPvB as	sse	ssment			
	<u>duct:</u> essment	:	This substance/m	ixture contains no components considered		
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ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 a levels of 0.1% or higher. <b>12.7 Other adverse effects</b> No data available <b>SECTION 13: Disposal considerations</b> <b>13.1 Waste treatment methods</b> Product : Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.	Version 2.5	Revision Date: 09.04.2021	SDS Number: 16989-00021	Date of last issue: 16.10.2020 Date of first issue: 30.09.2014			
Product:       Assessment       : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2018/605 a levels of 0.1% or higher.         12.7 Other adverse effects       No data available         SECTION 13: Disposal considerations         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. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.         Contaminated packaging       : Empty containers should be taken to an approved waste har dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.         SECTION 14: Transport information         14.1 UN number or ID number Not regulated as a dangerous good         14.2 UN proper shipping name Not regulated as a dangerous good         14.4 Packing group Not regulated as a dangerous good         14.5 Environmental hazards Not regulated as a dangerous good         14.6 Special precautions for user Not applicable			very persisten	t and very bioaccumulative (vPvB) at levels of			
Assessment       : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 a levels of 0.1% or higher.         12.7 Other adverse effects No data available       Image: Commission Regulation (EU) 2018/605 a levels of 0.1% or higher.         SECTION 13: Disposal considerations       Image: Comparison of the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.         Contaminated packaging       : Empty containers should be taken to an approved waste har dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.         SECTION 14: Transport information       14.1 UN number or ID number         Not regulated as a dangerous good       14.3 Transport hazard class(es)         Not regulated as a dangerous good       Not regulated as a dangerous good         14.1 4Packing group       Not regulated as a dangerous good         14.5 Environmental hazards       Not regulated as a dangerous good         14.6 Special precautions for user       Not applicable	12.6 Endo	ocrine disrupting pro	perties				
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No data available         SECTION 13: Disposal considerations         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. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.         Contaminated packaging       : Empty containers should be taken to an approved waste har dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.         SECTION 14: Transport information         14.1 UN number or ID number Not regulated as a dangerous good         14.2 UN proper shipping name Not regulated as a dangerous good         14.3 Transport hazard class(es) Not regulated as a dangerous good         14.4 Packing group Not regulated as a dangerous good         14.5 Environmental hazards Not regulated as a dangerous good         14.6 Special precautions for user Not applicable			ered to have e REACH Article (EU) 2017/210	REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at			
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Product       : Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.         Contaminated packaging       : Empty containers should be taken to an approved waste har dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.         SECTION 14: Transport information         14.1 UN number or ID number Not regulated as a dangerous good         14.2 UN proper shipping name Not regulated as a dangerous good         14.3 Transport hazard class(es) Not regulated as a dangerous good         14.4 Packing group Not regulated as a dangerous good         14.5 Environmental hazards Not regulated as a dangerous good         14.6 Special precautions for user Not applicable	SECTION	N 13: Disposal cons	iderations				
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. Empty containers should be taken to an approved waste har dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. SECTION 14: Transport information 14.1 UN number or ID number Not regulated as a dangerous good 14.2 UN proper shipping name Not regulated as a dangerous good 14.3 Transport hazard class(es) Not regulated as a dangerous good 14.4 Packing group Not regulated as a dangerous good 14.5 Environmental hazards Not regulated as a dangerous good	13.1 Wast	te treatment methods	i				
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Not applicable			us good				
	14.6 Spec	cial precautions for us	-				
			according to IMO i	nstruments			

Remarks : Not applicable for product as supplied.



according to Regulation (EC) No. 1907/2006

# Tibolone Formulation

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## **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, preparations and articles (Annex XVII)	:	Not applicable
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)	•	Not applicable
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		

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

Not applicable

## 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.

ECTION 16: Other info	ormation
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-Stateme	ents
H351	: Suspected of causing cancer.
H360Fd	: May damage fertility. Suspected of damaging the unborn child.
H372	: Causes damage to organs through prolonged or repeated exposure.

## Full text of other abbreviations

according to Regulation (EC) No. 1907/2006



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Ca	arc.	:	Carcinogenicit	У	
Re	epr.	:	Reproductive	toxicity	
STOT RE		:	Specific target organ toxicity - repeated exposure		
IE OEL		:	Ireland. List of Chemical Agents and Occupational Exposure		
			Limit Values -	Schedule 1	
IE	OEL / OELV - 8 hrs (TWA	) :	Occupational	exposure limit value (8-hour reference period)	

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 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 mixtur	Classification procedure:	
Carc. 2	H351	Calculation method
Repr. 1B	H360F	Calculation method
STOT RE 2	H373	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



according to Regulation (EC) No. 1907/2006

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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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