

Version 3.1	Revision Date: 30.09.2023		S Number: 03250-00013	Date of last issue: 06.03.2023 Date of first issue: 01.02.2018	
SECTION	1. IDENTIFICATION				
Prod	uct name	:	Ertugliflozin (< 5	%) / Sitagliptin Formulation	
Manu	ufacturer or supplier's	s deta	ils		
Com	Company		MSD		
Addro	Address		Talcahuano 750, 6th floor, Ciudad Autonoma Buenos Aires, Argentina C1013AAP		
Telep	Telephone		908-740-4000		
Emei	Emergency telephone		1-908-423-6000		
E-ma	E-mail address		EHSDATASTEWARD@msd.com		
Reco	ommended use of the	chem	ical and restricti	ons on use	
Recommended use Restrictions on use		:	Pharmaceutical Not applicable		

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification:Category 2Skin corrosion/irritation:Category 1irritation:Category 1Short-term (acute) aquatic:Category 3hazard:Category 3GHS label elements:Category 3Hazard pictograms::Signal Word:DangerHazard Statements:H315 Causes skin irritation. H318 Causes serious eye damage. H402 Harmful to aquatic life.Precautionary Statements:Frevention: P264 Wash skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves/ eye protection/ face protection			
irritationCategory 3Short-term (acute) aquatic hazard: Category 3GHS label elements Hazard pictograms:Hazard pictograms:Signal Word: DangerHazard Statements: H315 Causes skin irritation. H318 Causes serious eye damage. H402 Harmful to aquatic life.Precautionary Statements:Precention: P264 Wash skin thoroughly after handling. P273 Avoid release to the environment.		: Category 2	
hazardGHS label elementsHazard pictograms:Signal Word:DangerHazard Statements:Hazard Statements:Precautionary Statements:Precautionary Statements:Prevention: P264 Wash skin thoroughly after handling. P273 Avoid release to the environment.		: Category 1	
Hazard pictograms:Hazard pictograms:Signal Word:DangerHazard Statements:H315 Causes skin irritation. H318 Causes serious eye damage. H402 Harmful to aquatic life.Precautionary Statements:Prevention: P264 Wash skin thoroughly after handling. P273 Avoid release to the environment.	· / ·	: Category 3	
Hazard Statements : H315 Causes skin irritation. H318 Causes serious eye damage. H402 Harmful to aquatic life. Precautionary Statements : Prevention: P264 Wash skin thoroughly after handling. P273 Avoid release to the environment.			
H318 Causes serious eye damage. H402 Harmful to aquatic life. Precautionary Statements : Prevention: P264 Wash skin thoroughly after handling. P273 Avoid release to the environment.	Signal Word	: Danger	
Prevention: P264 Wash skin thoroughly after handling. P273 Avoid release to the environment.	Hazard Statements	H318 Causes serious eye damage.	
	Precautionary Statements	P264 Wash skin thoroughly after handling. P273 Avoid release to the environment.	on.



ersion 1	Revision Date: 30.09.2023	SDS Number: 2403250-00013	Date of last issue: 06.03.2023 Date of first issue: 01.02.2018
		Response:	
		P302 + P352 P305 + P351 + water for sever and easy to do CENTER/ doct P332 + P313 tion.	F ON SKIN: Wash with plenty of water. P338 + P310 IF IN EYES: Rinse cautiously wit ral minutes. Remove contact lenses, if present b. Continue rinsing. Immediately call a POISON tor. f skin irritation occurs: Get medical advice/ atten Take off contaminated clothing and wash it befor
		Disposal: P501 Dispose disposal plant.	of contents/ container to an approved waste
		not result in classifica	i tion sing, handling or other means.

ON 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Sitagliptin	654671-77-9	>= 30 -< 50
Cellulose	9004-34-6	>= 20 -< 30
Ertugliflozin	1210344-83-4	>= 3 -< 5
Magnesium stearate	557-04-0	>= 1 -< 5
Propyl 3,4,5-trihydroxybenzoate	121-79-9	>= 0,25 -< 1

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 if symptoms occur.
In case of skin contact	:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention immediately.
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms	:	Causes skin irritation.



Ver 3.1	sion	Revision Date: 30.09.2023		9S Number: 03250-00013	Date of last issue: 06.03.2023 Date of first issue: 01.02.2018	
	and effects, both acute and delayed			Causes serious e	ye damage.	
		ion of first-aiders	:	and use the recon	ers should pay attention to self-protection, nmended personal protective equipment	
	Notes t	o physician	:		I for exposure exists (see section 8). cally and supportively.	
SEC	CTION 5	. FIRE-FIGHTING ME	ASU	IRES		
	Suitable extinguishing media		:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical		
	Unsuita media	able extinguishing	:	None known.		
	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.		
	Hazard ucts	lous combustion prod-	:	Carbon oxides Metal oxides Oxides of phosph	orus	
	Specific extinguishing meth- ods		:	cumstances and t Use water spray t Remove undamag 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	
	Special protective equipment for fire-fighters		:	Evacuate area. In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.		
SEC	CTION 6	. ACCIDENTAL RELE	ASE	EMEASURES		
	Personal precautions, protec- tive equipment and emer- gency procedures		:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).		
	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	:	Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). 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. Local or national regulations may apply to releases and
		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



Version 3.1	Revision Date: 30.09.2023	SDS Number 2403250-000					
		Sections ?	which regulations are applicable. 3 and 15 of this SDS provide information regarding al or national requirements.				
SECTION	7. HANDLING AND ST	FORAGE					
Technical measures		causing a Provide a	tricity may accumulate and ignite suspended dust n explosion. dequate precautions, such as electrical grounding ng, or inert atmospheres.				
Local/Total ventilation Advice on safe handling		: Use only : Do not ge Do not bre Do not sw Do not ge Wash skir Handle in practice, k assessme Keep cont Keep cont Keep awa Take prec	vith adequate ventilation. t on skin or clothing. eathe dust. allow. t in eyes. t thoroughly after handling. accordance with good industrial hygiene and safety based on the results of the workplace exposure nt ainer tightly closed. dust generation and accumulation. ainer closed when not in use. y from heat and sources of ignition. autionary measures against static discharges. to prevent spills, waste and minimize release to the				
Cond	Conditions for safe storage		operly labeled containers. ly closed. ccordance with the particular national regulations.				
Mate	rials to avoid	: Do not sto	Do not store with the following product types: Strong oxidizing agents				

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

O a man a mata		Maluatura		Deele
Components	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	
		exposure)	concentration	
Sitagliptin	654671-77-9	TWA	0.5 mg/m3 (OEB	Internal
-			2)	
Cellulose	9004-34-6	CMP	10 mg/m ³	AR OEL
		TWA	10 mg/m ³	ACGIH
Ertugliflozin	1210344-83-	TWA	10 µg/m3 (OEB 3)	Internal
	4			
		Wipe limit	100 µg/100 cm ²	Internal
Magnesium stearate	557-04-0	CMP	10 mg/m ³	AR OEL
	Further inform	ation: A4 - Not c	lassifiable as a huma	n carcinogen
		TWA	10 mg/m ³	ACGIH
		(Inhalable		
		particulate		
		matter)		
		TWA	3 mg/m ³	ACGIH

Ingredients with workplace control parameters



ersion 1	Revision Date: 30.09.2023	SDS Number: 2403250-00013	Date of last issue: 06.03.2023 Date of first issue: 01.02.2018				
			(Respirable particulate matter)				
Engi	neering measures	design and op protect produc Containment t are required to the compound containment d	All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face containment devices). Minimize open handling.				
Perse	onal protective equip	ment					
Fi	iratory protection Iter type protection	exposure asse	cal exhaust ventilation is not available or essment demonstrates exposures outside the I guidelines, use respiratory protection. rpe				
M	aterial	: Chemical-resi	stant gloves				
	emarks protection	If the work env mists or aeros Wear a facesh	ble gloving. lasses with side shields or goggles. vironment or activity involves dusty conditions, cols, wear the appropriate goggles. hield or other full face protection if there is a frect contact to the face with dusts, mists, or				
Skin	and body protection	: Work uniform Additional boo task being per disposable su Use appropria	Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing.				
Hygie	ene measures	: If exposure to eye flushing s working place When using d Contaminated workplace. Wash contam The effective of engineering co appropriate de industrial hygi	chemical is likely during typical use, provide ystems and safety showers close to the				

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Color	:	No data available
Odor	:	No data available



Versio 3.1	on	Revision Date: 30.09.2023		S Number: 3250-00013	Date of last issue: 06.03.2023 Date of first issue: 01.02.2018
C	Ddor Th	nreshold	:	No data available)
р	H		:	No data available)
Ν	/lelting	point/freezing point	:	No data available)
	nitial bo ange	piling point and boiling	:	No data available)
F	lash p	oint	:	Not applicable	
E	vapora	ation rate	:	Not applicable	
F	lamma	ability (solid, gas)	:	May form explosi handling or other	ve dust-air mixture during processing, means.
F	lamma	ability (liquids)	:	No data available)
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
V	/apor p	ressure	:	Not applicable	
R	Relative	e vapor density	:	Not applicable	
R	Relative	edensity	:	No data available	9
D	Density		:	No data available)
S	Solubilit Wate	y(ies) er solubility	:	No data available	9
		n coefficient: n-	:	Not applicable	
	ctanol/ utoign	ition temperature	:	No data available	9
D	Decomp	position temperature	:	No data available)
V	/iscosit Visco	y osity, kinematic	:	Not applicable	
E	Explosiv	ve properties	:	Not explosive	
C	Dxidizin	g properties	:	The substance or	r mixture is not classified as oxidizing.
Ν	/lolecul	ar weight	:	No data available)
Р	Particle	size	:	No data available	



ersion .1	Revision Date: 30.09.2023		S Number: 03250-00013	Date of last issue: 06.03.2023 Date of first issue: 01.02.2018
ECTION [·]	10. STABILITY AND I	REAC	ΤΙVITY	
	vity ical stability bility of hazardous read	: : c- :	Stable under n May form explo handling or oth	is a reactivity hazard. ormal conditions. osive dust-air mixture during processing, er means. strong oxidizing agents.
Incom	tions to avoid patible materials dous decomposition cts	:	Heat, flames a Avoid dust forn Oxidizing agen No hazardous	nation.
ECTION [·]	11. TOXICOLOGICAL	. INFC	ORMATION	
Inform expos	ation on likely routes oure	of :	Inhalation Skin contact Ingestion Eye contact	
	toxicity assified based on avai	lable	information.	
<u>Produ</u> Acute	i <u>ct:</u> oral toxicity	:	Acute toxicity es Method: Calcula	stimate: > 5.000 mg/kg ation method
<u>Comp</u>	onents:			
Sitagl	iptin:			
Acute	oral toxicity	:	LD50 (Rat): > 3	.000 mg/kg
			LD50 (Mouse):	3.000 mg/kg
Cellul	ose:			
Acute	oral toxicity	:	LD50 (Rat): > 5	.000 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): > 5 Exposure time: Test atmospher	4 h
Acute	dermal toxicity	:	LD50 (Rabbit):	> 2.000 mg/kg
Ertua	liflozin:			
-	oral toxicity	:	LD50 (Rat): 500	mg/kg
Acute	inhalation toxicity	:	Remarks: No da	ata available
Acute	dermal toxicity	:	Remarks: No da	ata available
	esium stearate:			



rsion	Revision Date: 30.09.2023	SDS Number:Date of last issue: 06.03.20232403250-00013Date of first issue: 01.02.2018		
Acute oral toxicity		 LD50 (Rat): > 2.000 mg/kg Method: OECD Test Guideline 423 Assessment: The substance or mixture has no acute oral ticity Remarks: Based on data from similar materials 		
Acute	dermal toxicity	: LD50 (Rabbit): > 2.000 mg/kg Remarks: Based on data from similar materials		
Propy	/l 3,4,5-trihydroxybe	zoate:		
Acute	oral toxicity	: LD50 (Mouse, female): > 1.000 - 2.000 mg/kg		
Acute	dermal toxicity	 LD50 (Rat): > 2.000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute derm toxicity 		
-	corrosion/irritation			
Components:				
Sitag	liptin:			
Speci		: Rabbit		
Metho Resul		: Draize Test : No skin irritation		
Ertug	liflozin:			
Resul	t	: Corrosive		
Magn	esium stearate:			
Specie		: Rabbit		
Resul		: No skin irritation		
Rema	rks	: Based on data from similar materials		
Propy	/I 3,4,5-trihydroxybe	zoate:		
Specie Metho		reconstructed human epidermis (RhE)OECD Test Guideline 439		
Resul	t	: No skin irritation		
	us eye damage/eye i es serious eye damag			
	oonents:			
Sitag				
Specie		: Rabbit		
Resul	t	: Irritating to eyes.		
Metho	d d	: Draize Test		



rsion	Revision Date: 30.09.2023	SDS Nur 2403250		Date of last issue: 06.03.2023 Date of first issue: 01.02.2018				
Ertug	liflozin:							
Result	Result		: Severe irritation					
Magn	esium stearate:							
Specie		: Rabb	oit					
Resul			ye irritatior					
Rema	rks	: Base	d on data	rom similar materials				
Propy	vl 3,4,5-trihydroxyb	enzoate:						
Specie		: Rabb						
Result				cts on the eye				
Metho	DC	: OEC	D Test Gu	deline 405				
Respi	ratory or skin sens	itization						
	sensitization							
Not cla	assified based on av	ailable inform	nation.					
Respi	ratory sensitization	n						
Not cla	assified based on av	ailable inform	ation.					
<u>Comp</u>	oonents:							
Sitagl								
Test T				de assay (LLNA)				
Specie		: Mous		deline 400				
Metho Result			i skin sens	deline 429 itizer				
itesui	ι	. 1101.2						
Ertug	liflozin:							
Test T				de assay (LLNA)				
Result	t	: Not a	a skin sens	itizer.				
Magn	esium stearate:							
Test T			mization T	est				
	s of exposure		contact					
Specie			ea pig D Teet Cu	deline 406				
Metho Result		: OEC : nega		deline 406				
Rema	-			rom similar materials				
		. 2450						
	/I 3,4,5-trihydroxyb							
Test T				de assay (LLNA)				
Route Specie	s of exposure	: Skin : Mous	contact					
Result		: posit						
Accoc	sment	: Prob	ability or e	vidence of skin sensitization in humans				



Version 3.1	Revision Date: 30.09.2023	SDS Number: 2403250-00013	Date of last issue: 06.03.2023 Date of first issue: 01.02.2018
	n cell mutagenicity classified based on ava	ailable information.	
<u>Com</u>	ponents:		
Sitag	gliptin:		
Genc	otoxicity in vitro	: Test Type: A Result: nega	
			Chromosome aberration test in vitro Chinese hamster ovary cells tive
		thesis in mar	NA damage and repair, unscheduled DNA syn- mmalian cells (in vitro) rat hepatocytes tive
Genc	otoxicity in vivo	: Test Type: N Species: Mo Application F Result: nega	Route: Oral
Cellu	llose:		
Geno	otoxicity in vitro	: Test Type: B Result: nega	acterial reverse mutation assay (AMES) tive
		Test Type: Ir Result: nega	n vitro mammalian cell gene mutation test tive
Genc	otoxicity in vivo	cytogenetic a Species: Mo	use Route: Ingestion
Ertuo	gliflozin:		
-	otoxicity in vitro	: Test Type: B Result: nega	acterial reverse mutation assay (AMES) tive
		Test Type: C Result: nega	Chromosome aberration test in vitro
Genc	otoxicity in vivo	: Test Type: M cytogenetic a Species: Rat Result: nega	
Maar	nesium stearate:		
-	otoxicity in vitro	Result: nega	n vitro mammalian cell gene mutation test tive ased on data from similar materials



Test Type: Chromosome aberration test in v Method: OECD Test Guideline 473 Result: negative Remarks: Based on data from similar mater Test Type: Bacterial reverse mutation assay Result: negative Remarks: Based on data from similar mater Test Type: Bacterial reverse mutation assay Result: negative Remarks: Based on data from similar mater Propyl 3,4,5-trihydroxybenzoate: Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay Result: negative Test Type: In vitro mammalian cell gene mu Result: positive Test Type: Chromosome aberration test in v Result: positive Test Type: DNA damage and repair, unsche thesis in mammalian cells (in vitro) Result: negative Test Type: In vitro sister chromatid exchange	.2018
Result: negative Remarks: Based on data from similar mater Propyl 3,4,5-trihydroxybenzoate: Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay Result: negative Test Type: In vitro mammalian cell gene mu Result: positive Test Type: Chromosome aberration test in v Result: positive Test Type: DNA damage and repair, unsche thesis in mammalian cells (in vitro) Result: negative Test Type: In vitro sister chromatid exchange	
Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay Result: negative Test Type: In vitro mammalian cell gene mu Result: positive Test Type: Chromosome aberration test in v Result: positive Test Type: DNA damage and repair, unsche thesis in mammalian cells (in vitro) Result: negative Test Type: In vitro sister chromatid exchange	
Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay Result: negative Test Type: In vitro mammalian cell gene mu Result: positive Test Type: Chromosome aberration test in v Result: positive Test Type: DNA damage and repair, unsche thesis in mammalian cells (in vitro) Result: negative Test Type: In vitro sister chromatid exchange	
Result: positive Test Type: Chromosome aberration test in v Result: positive Test Type: DNA damage and repair, unsche thesis in mammalian cells (in vitro) Result: negative Test Type: In vitro sister chromatid exchange	y (AMES)
Result: positive Test Type: DNA damage and repair, unsche thesis in mammalian cells (in vitro) Result: negative Test Type: In vitro sister chromatid exchang	utation test
thesis in mammalian cells (in vitro) Result: negative Test Type: In vitro sister chromatid exchang	vitro
	eduled DNA syn-
malian cells Result: positive	ge assay in mam-
Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronu cytogenetic assay) Species: Mouse Application Route: Intraperitoneal injection Result: negative	icleus test (in vivo
Carcinogenicity	
Not classified based on available information.	
Components:Sitagliptin:Species: MouseApplication Route: OralExposure time: 2 YearsResult: negative	
Species:RatApplication Route:oral (drinking water)Exposure time:2 YearsResult:positiveTarget Organs:LiverRemarks:Significant toxicity observed in testing	
Carcinogenicity - Assess- : Weight of evidence does not support classif ment cinogen	fication as a car-



Cellulose: Species : Rat Application Route : Ingestion Exposure time : 72 weeks Result : negative Ertugliflozin: : Species : Mouse Application Route : Oral Exposure time : 2 Years Result : negative Species : Rat Application Route : Oral Exposure time : 2 Years Result : negative Carcinogenicity - Assess- : Weight of evidence does not support classification as a ca ment : Digestion Application Route : Ingestion Exposure time : 103 weeks Result : negative Mot classified based on available information. Components: Staggiptin: Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Crail Fertility: NOAEL Parent: 1.000 mg/kg body weight Result: Embryotaki development Species: Rat Application Route: Crail <td< th=""><th>rsion</th><th>Revision Date: 30.09.2023</th><th></th><th>OS Number: 03250-00013</th><th>Date of last issue: 06.03.2023 Date of first issue: 01.02.2018</th></td<>	rsion	Revision Date: 30.09.2023		OS Number: 03250-00013	Date of last issue: 06.03.2023 Date of first issue: 01.02.2018
Application Route : Ingestion Exposure time : 72 weeks Result : negative Species : Mouse Application Route : Oral Exposure time : 2 Years Result : negative Species : Rat Application Route : Oral Exposure time : 2 Years Result : negative Carcinogenicity - Assess- : Weight of evidence does not support classification as a ca ment : 2 Years Result : negative Carcinogenicity - Assess- : Weight of evidence does not support classification as a ca icinogen : negative Propyl 3,4,5-trihydroxybenzoate: : Species: Species : Rat Application Route : Ingestion Exposure time : : Application Route : negative Result : negative	Cellul	ose:			
Fruglifiozin: Species image: Construct of the second se	Applic Expos	ation Route sure time	:	Ingestion 72 weeks	
Species : Mouse Application Route : Oral Exposure time : 2 Years Result : negative Species : Rat Application Route : Oral Exposure time : 2 Years Result : negative Carcinogenicity - Assess- : Weight of evidence does not support classification as a carnent Carcinogenicity - Assess- : Weight of evidence does not support classification as a carnent Species : Rat Application Route : Ingestion Exposure time : 103 weeks Result : negative Result : negative Result : negative Stagliptin: : : Effects on fetal development : Test Type: Fertility/early embryonic development Species: Rat Application Route: Oral : Fertility: NOAEL Parent: 1.000 mg/kg body weight Result: Animal testing did not show any effects on fertility. Effects on fetal development <td></td> <td></td> <td></td> <td>5</td> <td></td>				5	
Application Route : Oral Exposure time : 2 Years Result : negative Species : Rat Application Route : Oral Exposure time : 2 Years Result : negative Carcinogenicity - Assess- : Weight of evidence does not support classification as a car ment : negative Carcinogenicity - Assess- : Weight of evidence does not support classification as a car ment : negative Propyl 3.4.5-trihydroxybenzoate: Species : Species : Rat Application Route : Ingestion Exposure time : 103 weeks Result : negative Reproductive toxicity Not classified based on available information. Components: : Sitagliptin: Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Cral Fertility: NOAEL: 250 mg/kg body weight Result: Animal tes	-				
Exposure time : 2 Years Result : negative Species : Rat Application Route : Oral Exposure time : 2 Years Result : negative Carcinogenicity - Assess- ment : Weight of evidence does not support classification as a ca ment : negative Carcinogenicity - Assess- ment : Weight of evidence does not support classification as a ca ment : negative Propyl 3,4,5-trihydroxybenzoate: Species : Rat Application Route : Ingestion Exposure time : 103 weeks Result : negative Reproductive toxicity Not classified based on available information. Components: Sitagliptin: Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Oral Fertility: NOAEL Parent: 1.000 mg/kg body weight Result: Animal testing did not show any effects on fertility. Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Oral Teratogenicity: LOAEL: 250 mg/kg body weight Result: Result: Context: Oral Teratogenicity: NOAELL: 250 mg/kg body weight Result: Romyotoxic effects and adverse effects on the offspring were detected., No teratogenic effects. Test Type: Embryo-fetal development Species: Rabit Teratogenicity: NOAELL: 125 mg/kg body weight Result: No teratogenic effects. Cellulose:			÷		
Result : negative Species :: Rat Application Route : Oral Exposure time :: 2 Years Result :: negative Carcinogenicity - Assess- :: Weight of evidence does not support classification as a ca ment :: angative Carcinogenicity - Assess- :: Weight of evidence does not support classification as a ca ment :: angative Propyl 3,4,5-trihydroxybenzoate: : Species Species :: Rat Application Route :: Ingestion Exposure time :: 103 weeks Result :: negative Reproductive toxicity Not classified based on available information. Components: : Sitagliptin: : Effects on fertility : Test Type: Fertility/early embryonic development Application Route: Cral : Fertility: NOAEL Parent: 1.000 mg/kg body weight Result: Animal testing did not show any effects on fertility. Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Oral Teratogenicity: IOAEL: 250 mg/kg body weight			÷		
Application Route : Oral Exposure time : 2 Years Result : negative Carcinogenicity - Assessment : Weight of evidence does not support classification as a care cinogen Propyl 3,4,5-trihydroxybenzoate: Species : Rat Species : Rat Application Route : Exposure time : 103 weeks Result : Reproductive toxicity Not classified based on available information. . . Components: Sitagliptin: : : . Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Oral Fertility: NOAEL Parent: 1.000 mg/kg body weight Result: Animal testing did not show any effects on fertility. Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Oral Terratogenicity: LOAEL: 250 mg/kg body weight Result: Embryoto-fetal development Species: Rat Application Route: Great and adverse effects on the offspring were detected., No teratogenic effects. Test Type: Embryo-fetal development Species: Rabbit Terratogenicity: NOAEL: 125 mg/kg body weight Result: No teratogenic effects. Cellulose: Cellulose: <td></td> <td></td> <td>:</td> <td></td> <td></td>			:		
Exposure time : 2 Years Result : negative Carcinogenicity - Assessment : Weight of evidence does not support classification as a carcinogen Propyl 3,4,5-trihydroxybenzoate: : Species Species : Rat Application Route : Ingestion Exposure time :: 103 weeks Result : negative Reproductive toxicity Not classified based on available information. Components: Sitagliptin: Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Oral Fertility: NOAEL Parent: 1.000 mg/kg body weight Result: Animal testing did not show any effects on fertility. Effects on fetal development Species: Rat Application Route: Oral Test Type: Embryo-fetal development Species: Rat Application Route: Oral Test Type: Embryo-fetal development Species: Rat Application Route: Oral Terratogenicity: NOAEL: 125 mg/kg body weight Result: Embryoo-fetal development Species: Rabbit	Specie	es	:	Rat	
Result : negative Carcinogenicity - Assessment : Weight of evidence does not support classification as a carcinogen Propyl 3,4,5-trihydroxybenzoate: : Species Species : Rat Application Route : Ingestion Exposure time :: 103 weeks Result : negative Reproductive toxicity Not classified based on available information. Components: : Sitagliptin: : Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Oral Fertility: NOAEL Parent: 1.000 mg/kg body weight Result: Animal testing did not show any effects on fertility. Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Oral Teratogenicity: LOAEL: 250 mg/kg body weight Result: Embryotoxic effects and adverse effects on the offspring were detected., No teratogenic effects. Test Type: Embryo-fetal development Species: Rat Application Route: Oral Teratogenicity: LOAEL: 250 mg/kg body weight Result: Embryotoxic effects and adverse effects on the offspring were detected., No teratogenic effects. Teratogenicity: NOAEL: 125 mg/kg body weight </td <td></td> <td></td> <td>:</td> <td></td> <td></td>			:		
Carcinogenicity - Assessment Weight of evidence does not support classification as a carcinogen Propyl 3,4,5-trihydroxybenzoate: Species Species Rat Application Route Ingestion Exposure time 103 weeks Result negative Reproductive toxicity Not classified based on available information. Components: Sitagliptin: Effects on fertility Test Type: Fertility/early embryonic development Species: Rat Application Route: Oral Fertility: NOAEL Parent: 1.000 mg/kg body weight Result: Animal testing did not show any effects on fertility. Effects on fetal development Species: Rat Application Route: Oral Fertility: NOAEL 250 mg/kg body weight Result: Embryotoxic effects and adverse effects on the offspring were detected., No teratogenic effects. Test Type: Embryo-fetal development Species: Rat Application Route: Oral Teratogenicity: NOAEL: 125 mg/kg body weight Result: Embryootic effects and adverse effects on the offspring were detected., No teratogenic effects. Teratogenicity: NOAEL: 125 mg/kg body weight Result: No teratogen			:		
ment cinogen Propyl 3,4,5-trihydroxybenzoate: Species Species : Rat Application Route : Ingestion Exposure time : 103 weeks Result : negative Reproductive toxicity . . Not classified based on available information. . Components: . . Sitagliptin: . . Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Oral Fertility: NOAEL Parent: 1.000 mg/kg body weight Result: Animal testing did not show any effects on fertility. Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Oral Teratogenicity: LOAEL: 250 mg/kg body weight Result: Embryotoxic effects and adverse effects on the offspring were detected., No teratogenic effects. Test Type: Embryo-fetal development Species: Rabbit Teratogenicity: NOAEL: 125 mg/kg body weight Result: No teratogenic effects. Test Type: Embryo-fetal development Species: Rabbit Teratogenicity: NOAEL: 125 mg/kg body weight Result: No teratogenic effects.	Resul	L	·	negative	
Species : Rat Application Route : Ingestion Exposure time : 103 weeks Result : negative Reproductive toxicity Not classified based on available information. Components: Sitagliptin: Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Oral Fertility: NOAEL Parent: 1.000 mg/kg body weight Result: Animal testing did not show any effects on fertility. Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Oral Teratogenicity: LOAEL: 250 mg/kg body weight Result: Embryotoxic effects and adverse effects. Test Type: Embryo-fetal development Species: Rat Application Route: Oral Teratogenicity: LOAEL: 250 mg/kg body weight Result: Embryotoxic effects and adverse effects. Test Type: Embryo-fetal development Species: Rabbit Teratogenicity: NOAEL: 125 mg/kg body weight Result: No teratogenic effects. Teratogenic effects.		ogenicity - Assess-	:		ice does not support classification as a ca
Species : Rat Application Route : Ingestion Exposure time : 103 weeks Result : negative Reproductive toxicity Not classified based on available information. Components: Sitagliptin: Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Oral Fertility: NOAEL Parent: 1.000 mg/kg body weight Result: Animal testing did not show any effects on fertility. Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Oral Teratogenicity: LOAEL: 250 mg/kg body weight Result: Embryotoxic effects and adverse effects. Test Type: Embryo-fetal development Species: Rat Application Route: Oral Teratogenicity: LOAEL: 250 mg/kg body weight Result: Embryotoxic effects and adverse effects. Test Type: Embryo-fetal development Species: Rabbit Teratogenicity: NOAEL: 125 mg/kg body weight Result: No teratogenic effects. Teratogenic effects.	Propy	l 3,4,5-trihydroxybenz	oat	e:	
Application Route : Ingestion Exposure time : 103 weeks Result : negative Reproductive toxicity . . Not classified based on available information. . Components: . Sitagliptin: . Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Oral Fertility: NOAEL Parent: 1.000 mg/kg body weight Result: Animal testing did not show any effects on fertility. Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Oral Teratogenicity: LOAEL: 250 mg/kg body weight Result: Embryotoxic effects and adverse effects on the offspring were detected., No teratogenic effects. Test Type: Embryo-fetal development Species: Rabbit Teratogenicity: NOAEL: 125 mg/kg body weight Result: No teratogenic effects. Cellulose: Ketation Route: No teratogenic effects.			:		
Result : negative Reproductive toxicity Not classified based on available information. Components: Sitagliptin: Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Oral Fertility: NOAEL Parent: 1.000 mg/kg body weight Result: Animal testing did not show any effects on fertility. Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Oral Teratogenicity: LOAEL: 250 mg/kg body weight Result: Embryotoxic effects and adverse effects on the offspring were detected., No teratogenic effects. Test Type: Embryo-fetal development Species: Rabit Teratogenicity: NOAEL: 125 mg/kg body weight Result: No teratogenic effects. Cellulose: :			:	Ingestion	
Reproductive toxicity Not classified based on available information. Components: Sitagliptin: Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Oral Fertility: NOAEL Parent: 1.000 mg/kg body weight Result: Animal testing did not show any effects on fertility. Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Oral Teratogenicity: LOAEL: 250 mg/kg body weight Result: Embryotoxic effects and adverse effects on the offspring were detected., No teratogenic effects. Test Type: Embryo-fetal development Species: Rat Application Route: Oral Teratogenicity: LOAEL: 250 mg/kg body weight Result: Embryo-fetal development Species: Rabbit Teratogenicity: NOAEL: 125 mg/kg body weight Result: No teratogenic effects. Cellulose: :	_	ure time	•	103 weeks	
Sitagliptin: Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Oral Fertility: NOAEL Parent: 1.000 mg/kg body weight Result: Animal testing did not show any effects on fertility. Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Oral Teratogenicity: LOAEL: 250 mg/kg body weight Result: Embryotoxic effects and adverse effects on the offspring were detected., No teratogenic effects. Test Type: Embryo-fetal development Species: Rabbit Teratogenicity: NOAEL: 125 mg/kg body weight Result: No teratogenic effects. Cellulose:			:		
Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Oral Fertility: NOAEL Parent: 1.000 mg/kg body weight Result: Animal testing did not show any effects on fertility. Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Oral Teratogenicity: LOAEL: 250 mg/kg body weight Result: Embryotoxic effects and adverse effects on the offspring were detected., No teratogenic effects. Test Type: Embryo-fetal development Species: Rat Application Route: Oral Teratogenicity: LOAEL: 250 mg/kg body weight Result: Embryotoxic effects and adverse effects on the offspring were detected., No teratogenic effects. Test Type: Embryo-fetal development Species: Rabbit Teratogenicity: NOAEL: 125 mg/kg body weight Result: No teratogenic effects. Cellulose:	Resul Repro Not cl	t oductive toxicity assified based on availa	i	negative	
Species: Rat Application Route: Oral Fertility: NOAEL Parent: 1.000 mg/kg body weight Result: Animal testing did not show any effects on fertility. Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Oral Teratogenicity: LOAEL: 250 mg/kg body weight Result: Embryotoxic effects and adverse effects on the offspring were detected., No teratogenic effects. Test Type: Embryo-fetal development Species: Rabbit Teratogenicity: NOAEL: 125 mg/kg body weight Result: No teratogenic effects. Cellulose:	Resul Repro Not cl	t oductive toxicity assified based on availa	ible	negative	
Effects on fetal development : Test Type: Embryo-fetal development Species: Rat Application Route: Oral Teratogenicity: LOAEL: 250 mg/kg body weight Result: Embryotoxic effects and adverse effects on the offspring were detected., No teratogenic effects. Test Type: Embryo-fetal development Species: Rabbit Teratogenicity: NOAEL: 125 mg/kg body weight Result: No teratogenic effects.	Resul Repro Not cl <u>Comp</u>	t oductive toxicity assified based on availa ponents:	able	negative	
Species: Rat Application Route: Oral Teratogenicity: LOAEL: 250 mg/kg body weight Result: Embryotoxic effects and adverse effects on the offspring were detected., No teratogenic effects. Test Type: Embryo-fetal development Species: Rabbit Teratogenicity: NOAEL: 125 mg/kg body weight Result: No teratogenic effects.	Result Repro Not cli <u>Comp</u> Sitagl	t oductive toxicity assified based on availa ponents: iptin:		negative information. Test Type: Fertili Species: Rat Application Rout Fertility: NOAEL	e: Oral Parent: 1.000 mg/kg body weight
Species: Rabbit Teratogenicity: NOAEL: 125 mg/kg body weight Result: No teratogenic effects.	Result Repro Not cli <u>Comp</u> Sitagl	t oductive toxicity assified based on availa ponents: iptin:		negative information. Test Type: Fertili Species: Rat Application Rout Fertility: NOAEL	e: Oral Parent: 1.000 mg/kg body weight
	Result Repro Not cl Comp Sitagl Effect	t assified based on availa ponents: iptin: s on fertility		negative information. Test Type: Fertili Species: Rat Application Rout Fertility: NOAEL Result: Animal te Test Type: Embr Species: Rat Application Rout Teratogenicity: L Result: Embryote	e: Oral Parent: 1.000 mg/kg body weight esting did not show any effects on fertility. yo-fetal development e: Oral OAEL: 250 mg/kg body weight oxic effects and adverse effects on the
	Result Repro Not cl Comp Sitagl Effect	t assified based on availa ponents: iptin: s on fertility		negative information. Test Type: Fertili Species: Rat Application Rout Fertility: NOAEL Result: Animal te Test Type: Embr Species: Rat Application Rout Teratogenicity: L Result: Embryoto offspring were de Test Type: Embr Species: Rabbit Teratogenicity: N	e: Oral Parent: 1.000 mg/kg body weight esting did not show any effects on fertility. tyo-fetal development e: Oral OAEL: 250 mg/kg body weight oxic effects and adverse effects on the etected., No teratogenic effects. tyo-fetal development IOAEL: 125 mg/kg body weight
	Result Repro Not cli <u>Comp</u> Sitagl Effect	t oductive toxicity assified based on availa <u>ponents:</u> iptin: s on fertility s on fetal development		negative information. Test Type: Fertili Species: Rat Application Rout Fertility: NOAEL Result: Animal te Test Type: Embr Species: Rat Application Rout Teratogenicity: L Result: Embryoto offspring were de Test Type: Embr Species: Rabbit Teratogenicity: N	e: Oral Parent: 1.000 mg/kg body weight esting did not show any effects on fertility. tyo-fetal development e: Oral OAEL: 250 mg/kg body weight oxic effects and adverse effects on the etected., No teratogenic effects. tyo-fetal development IOAEL: 125 mg/kg body weight



rsion	Revision Date: 30.09.2023		9S Number: 03250-00013	Date of last issue: 06.03.2023 Date of first issue: 01.02.2018	
			Species: Rat Application Rout Result: negative	e: Ingestion	
Effects on fetal development		:	Test Type: Fertil Species: Rat Application Rout Result: negative	ity/early embryonic development e: Ingestion	
Ertugl	liflozin:				
Effects	s on fertility	:	Species: Rat Application Rout Fertility: NOAEL Remarks: Matern	ity/early embryonic development e: Oral : 250 mg/kg body weight nal toxicity observed. verse effects were reported	
			Species: Rabbit Application Rout Fertility: NOAEL	ity/early embryonic development e: Oral : 200 mg/kg body weight nificant adverse effects were reported	
Effects	s on fetal development	:	Species: Rat Application Rout Developmental 1	yo-fetal development e: Oral oxicity: NOAEL: 50 mg/kg body weight se developmental effects were observed	
			Test Type: Embryo-fetal development Species: Rabbit Application Route: Oral Developmental Toxicity: NOAEL: 250 mg/kg body v Remarks: No significant adverse effects were repor		
Magno	esium stearate:				
Effects	s on fertility	:	reproduction/dev Species: Rat Application Rout Method: OECD Result: negative	bined repeated dose toxicity study with the relopmental toxicity screening test e: Ingestion Fest Guideline 422	
Effects on fetal development		:	Species: Rat Application Rout Result: negative	yo-fetal development e: Ingestion on data from similar materials	

Propyl 3,4,5-trihydroxybenzoate:

Effects on fertility : Test Type: Two-generation reproduction toxicity study Species: Rat



Versio 3.1	on	Revision Date: 30.09.2023		9S Number: 03250-00013	Date of last issue: 06.03.2023 Date of first issue: 01.02.2018
				Application Route Result: negative	: Ingestion
E	Effects	on fetal development	:	Test Type: Embry Species: Rat Application Route Result: negative	o-fetal development : Ingestion
		single exposure ssified based on availa	able	information.	
		epeated exposure ssified based on availa	able	information.	
<u>C</u>	Compo	nents:			
R T		of exposure Organs	:	Oral Kidney, Stomach, May cause damag exposure.	Prostate ge to organs through prolonged or repeated
R	Repeat	ed dose toxicity			
<u>C</u>	Compo	onents:			
	Sitaglip				
N L A E	 Exposu		:	Mouse 500 mg/kg 1.000 mg/kg Oral > 2 y Kidney	
N L A E	Exposu			Rat 500 mg/kg 1.000 mg/kg Oral 14 Weeks Liver, Kidney, Hea	art, Teeth
N L A E T S	Exposu	tion Route re time Organs ms		Dog 10 mg/kg 50 mg/kg Oral 53 Weeks Central nervous s Loss of balance The mechanism of humans.	ystem r mode of action may not be relevant in
N L	Species NOAEL LOAEL Applica		:	Dog 2 mg/kg 10 mg/kg Oral	



Version 3.1	Revision Date: 30.09.2023	SDS Number: 2403250-00013	Date of last issue: 06.03.2023 Date of first issue: 01.02.2018
		: Loss of balance	e, Central nervous system e n or mode of action may not be relevant in
	L ation Route ure time	: Monkey : 100 mg/kg : Oral : 14 Weeks : No significant a	dverse effects were reported
	S	: Rat : >= 9.000 mg/kg : Ingestion : 90 Days)
Specie LOAEL Applica		: Rat : 500 mg/kg : Oral : 30 d	
Exposi		: Rat : 250 mg/kg : Oral : 30 d : Kidney	
Exposi		: Rat : 25 mg/kg : Oral : 180 d : Kidney, Bone, S	Stomach
		: Rat : 25 mg/kg : 90 d : Kidney, Gastro	intestinal tract, Prostate
	L ation Route ure time	: Dog : 150 mg/kg : Oral : 270 d : No significant a	dverse effects were reported
	L ation Route ure time	: Mouse : 100 mg/kg : Oral : 90 d : No significant a	dverse effects were reported
Specie	S	: Mouse	

Revision Date:

Version



Date of last issue: 06.03.2023

Ertugliflozin (< 5%) / Sitagliptin Formulation

SDS Number:

rsion	Revision Date: 30.09.2023		03250-00013	Date of first issue: 06.03.2023 Date of first issue: 01.02.2018
NOA		:	100 mg/kg	
	cation Route	:	Oral	
	sure time	:	28 d	
Rema	et Organs arks		Bone No significant a	dverse effects were reported
Reine		•	NO SIGNINGAN &	laverse enects were reported
-	nesium stearate:			
Spec		:	Rat	
NOA		÷	> 100 mg/kg Ingestion	
	cation Route sure time	:	90 Days	
Rema		:		from similar materials
_				
• •	yl 3,4,5-trihydroxybe	enzoat		
Spec NOAI		:	Rat 135 mg/kg	
-	cation Route	:	Ingestion	
	sure time	:	13 Weeks	
Aeniu	ration toxicity			
•	lassified based on ava	ailable	information.	
Expe	rience with human e	xposi	ire	
Com	ponents:			
Sitad	liptin:			
Inhala			Symptoms: upr	per respiratory tract infection, pharyngitis,
minai		•	Headache	
Inges	tion	:	Symptoms: upp	per respiratory tract infection, nasopharyngitis
F .(-11011		Headache, Nau	usea, Abdominal pain, Diarrhea
-	gliflozin:		Our terre to the terre t	
Inges	SION	:	constipation, D	e most common side effects are:, Headache, iarrhea, Nausea, urinary tract infection, musc piratory tract infection
CTION	12. ECOLOGICAL IN	FORM	IATION	
Fcot	oxicity			
	ponents:			
-	liptin:		LCEO (Dimershi	
I OXIC	ity to fish	:	LC50 (Pimepha Exposure time:	ales promelas (fathead minnow)): > 100 mg/l
				9 Test Guideline 203
Toxic	ity to daphnia and oth	er ·	FC50 (Danhnia	ı magna (Water flea)): 60 mg/l
	tic invertebrates	. וסו	Exposure time:	
				Test Guideline 202
Toxic	ity to algae/aquatic	:	EC50 (Pseudol	kirchneriella subcapitata (green algae)): > 39
	, , , , , , , , , , , , , , , , , , , ,	-		
			16 / 22	



Versio 3.1	on	Revision Date: 30.09.2023		S Number: 03250-00013	Date of last issue: 06.03.2023 Date of first issue: 01.02.2018
р	plants			mg/l Exposure time: 96 Method: OECD Te	
				NOEC (Pseudokir mg/l Exposure time: 96 Method: OECD Te	
	oxicity city)	to fish (Chronic tox-	:	NOEC (Pimephale Exposure time: 33 Method: OECD Te	
а		to daphnia and other invertebrates (Chron- ty)	:	NOEC (Daphnia n Exposure time: 21 Method: OECD Te	
Т	oxicity	to microorganisms	:	EC50: > 150 mg/l Exposure time: 3 Test Type: Respir Method: OECD Te	ation inhibition
				NOEC: 150 mg/l Exposure time: 3 Test Type: Respir	
c	ellulo	se:			
Т	oxicity	to fish	:	Exposure time: 48	pes (Japanese medaka)): > 100 mg/l 3 h on data from similar materials
E	Ertuglif	lozin:			
Т	-	to algae/aquatic	:	EC50 (Pseudokiro Exposure time: 72 Method: OECD Te	
				NOEC (Pseudokir mg/l Exposure time: 72 Method: OECD Te	rchneriella subcapitata (green algae)): 50 2 h est Guideline 201
	oxicity city)	to fish (Chronic tox-	:	Exposure time: 32 Method: OECD Te	
a		to daphnia and other invertebrates (Chron- ty)	:	Exposure time: 21 Method: OECD Te	
Т	oxicity	to microorganisms	:	EC50: > 1.000 mg Exposure time: 3 Test Type: Respir	h



ersion .1	Revision Date: 30.09.2023		9S Number: 03250-00013	Date of last issue: 06.03.2023 Date of first issue: 01.02.2018
			Method: OECD T	est Guideline 209
			NOEC: 1.000 mg. Exposure time: 3 Test Type: Respir Method: OECD T	h
Magn	esium stearate:			
Toxici	ity to fish	:	Exposure time: 48 Method: DIN 384	
	ity to daphnia and other ic invertebrates	:	Exposure time: 4 Test substance: V Method: Directive	Water Accommodated Fraction e 67/548/EEC, Annex V, C.2. on data from similar materials
Toxici plants	ity to algae/aquatic	:	mg/l Exposure time: 72 Test substance: V Method: OECD T	Water Accommodated Fraction est Guideline 201 on data from similar materials
			mg/l Exposure time: 72 Test substance: V Method: OECD T	kirchneriella subcapitata (green algae)): > 1 2 h Water Accommodated Fraction est Guideline 201 on data from similar materials
Toxici	ity to microorganisms	:	Exposure time: 10 Test substance: V	onas putida): > 100 mg/l 6 h Nater Accommodated Fraction on data from similar materials
Propy	yl 3,4,5-trihydroxybenz	oat	e:	
	ity to daphnia and other ic invertebrates	:	Exposure time: 48 Test substance: N	nagna (Water flea)): 19,06 mg/l 8 h Neutralized product rest Guideline 202
Toxici plants	ity to algae/aquatic	:	mg/l Exposure time: 72	Neutralized product
			EC10 (Pseudokir mg/l	chneriella subcapitata (green algae)): 0,17
		-	18 / 22	



/ersion 3.1	Revision Date: 30.09.2023		OS Number: 03250-00013	Date of last issue: 06.03.2023 Date of first issue: 01.02.2018		
				2 h Neutralized product est Guideline 201		
	ctor (Acute aquatic tox-	:	1			
	icity) Toxicity to microorganisms		: EC50: 636 mg/l Exposure time: 3 h Method: OECD Test Guideline 209			
Persistence and degradabil <u>Components:</u>						
Sitag	liptin:					
Biode	Biodegradability		 Result: not rapidly degradable Biodegradation: 39,7 % Exposure time: 28 d Method: OECD Test Guideline 314 			
Stability in water		:	Hydrolysis: 50 %(401 d) Method: OECD Test Guideline 111			
Cellu	lose:					
Biodegradability		:	Result: Readily bi	iodegradable.		
Ertug	liflozin:					
Biodegradability		:	Result: Not readil Biodegradation: Exposure time: 28	40,8 %		
Magnesium stearate:						
Biode	gradability	:	Result: Not biode Remarks: Based	gradable on data from similar materials		
Propy	/I 3,4,5-trihydroxybenz	oat	e:			
Biode	gradability	:	Result: Not readil Biodegradation: Exposure time: 28 Method: OECD T	49,4 %		
Bioad	cumulative potential					
Comp	oonents:					
Partiti	l iptin: on coefficient: n- ol/water	:	log Pow: -0,03			
Ertugliflozin:						
	on coefficient: n- ol/water	:	log Pow: 2,47			
			19 / 22			



Versior 3.1	n Revision Date: 30.09.2023	SDS Number:Date of last issue: 06.03.20232403250-00013Date of first issue: 01.02.2018	
Pa	agnesium stearate: artition coefficient: n- tanol/water	: log Pow: > 4	
Pr	opyl 3,4,5-trihydroxybenz	zoate:	
Pa	artition coefficient: n- tanol/water	: log Pow: 1,8 Remarks: Calculation	
Мо	obility in soil		
<u>Cc</u>	omponents:		
Dis	tagliptin: stribution among environ- ental compartments	: log Koc: 4,37	
Er	tugliflozin:		
Dis	stribution among environ- ental compartments	: log Koc: 2,88	
Ot	her adverse effects		
No	o data available		

Disposal methods

Waste from residues		Do not dispose of waste into sewer.
		Dispose of in accordance with local regulations.
Contaminated packaging		Empty containers should be taken to an approved waste handling site for recycling or disposal.
		0 , 0 ,
		If not otherwise specified: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION

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



Vers 3.1	sion	Revision Date: 30.09.2023	-	OS Number: 03250-00013	Date of last issue: 06.03.2023 Date of first issue: 01.02.2018	
	Argentina. Carcinogenic Substances and Agents : Not applicable Registry.					
	Control of precursors and essential chemicals for the : Not applicable preparation of drugs.					
	The in AICS	gredients of this pro	duct :	are reported in the not determined	he following inventories:	
	DSL		:	not determined		
	IECSC	2	:	not determined		
SEC		16. OTHER INFORMA	TIO	N		
	Revisi Date f	on Date ormat	:	30.09.2023 dd.mm.yyyy		
	Source	le the Material Safety	:		data, data from raw material SDSs, OECD arch results and European Chemicals Agen- ropa.eu/	
	Full te ACGIH AR OE		ions :	USA. ACGIH Thr	eshold Limit Values (TLV) bational Exposure Limits	
		H / TWA EL / CMP	:	8-hour, time-weig TLV (Threshold L		
	AllC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport b 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 wit x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated wit x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized Sys tem; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IAT, - International Air Transport Association; IBC - International Code for the Construction an Equipment of Ships carrying Dangerous Chemicals in Bulk; ICS0 - Half maximal inhibitory cor centration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chem cal Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Or ganisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Cor centration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Media 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 Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - Nev Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Develop ment; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumu					



Version	Revision Date:	SDS Number:	Date of last issue: 06.03.2023
3.1	30.09.2023	2403250-00013	Date of first issue: 01.02.2018

lative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless 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.

AR / Z8