

Vers 5.1	sion	Revision Date: 30.09.2023		S Number: 280-00019	Date of last issue: 06.03.2023 Date of first issue: 04.04.2016
Sect	tion 1: l	dentification			
	Product	t name	:	Ertugliflozin (< 2%	%) / Sitagliptin Formulation
	Manufa	acturer or supplier's d	letai	ls	
	Compa	ny	:	MSD	
	Address	S	:	33 Whakatiki Stre Upper Hutt - New	eet - Private Bag 908 / Zealand
	Telepho	one	:	+1-908-740-4000)
	Emerge	ency telephone number	:	+1-908-423-6000)
	E-mail a	address	:	EHSDATASTEW	/ARD@msd.com
	Recom	mended use of the ch	nemi	ical and restrictic	ons on use
	Recom	mended use	:	Pharmaceutical	
	Restrict	tions on use	:	Not applicable	
Sect	tion 2: H	lazard identification			
	GHS C	lassification			
	Skin co	rrosion/irritation	:	Category 2	

Serious eye damage/eye irri- tation	:	Category 2
Skin sensitisation	:	Category 1
Specific target organ toxicity - repeated exposure (Oral)	:	Category 2 (Kidney, Stomach, Prostate)
GHS label elements		
Hazard pictograms	:	
Signal word	:	Warning
Hazard statements	:	 H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H373 May cause damage to organs (Kidney, Stomach, Prostate) through prolonged or repeated exposure if swallowed.



Version 5.1	Revision Date: 30.09.2023	SDS Number: 595280-00019	Date of last issue: 06.03.2023 Date of first issue: 04.04.2016
Preca	autionary statements	P272 Contam the workplace	in thoroughly after handling. Inated work clothing should not be allowed out of
		P305 + P351 for several min easy to do. Co P314 Get meo P333 + P313 vice/ attention P337 + P313 tention.	IF ON SKIN: Wash with plenty of water. + P338 IF IN EYES: Rinse cautiously with water hutes. Remove contact lenses, if present and ontinue rinsing. dical advice/ attention if you feel unwell. If skin irritation or rash occurs: Get medical ad- If eye irritation persists: Get medical advice/ at- Take off contaminated clothing and wash it before
		Disposal: P501 Dispose disposal plant	of contents/ container to an approved waste

Other hazards which do not result in classification

May form explosive dust-air mixture during processing, handling or other means.

Section 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	>= 30 -< 50
Ertugliflozin	1210344-83-4	>= 1 -< 3
Magnesium stearate	557-04-0	>= 1 -< 10
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 ad- vice 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



Version 5.1	Revision Date: 30.09.2023	SDS Numb 595280-00		of last issue: 06.03.2023 of first issue: 04.04.2016
In c	ase of eye contact	Wash o Thorou : In case for at le	dical attention. othing before re- phly clean shoes of contact, imme ast 15 minutes.	before reuse. diately flush eyes with plenty of water
lf sv	vallowed	Get me : If swall Get me	dical attention. wed, DO NOT ir	symptoms occur.
	at important symptoms effects, both acute and ayed	May ca Causes May ca		
-	tection of first-aiders es to physician	 exposure if swallowed. First Aid responders should pay attention and use the recommended personal pro- when the potential for exposure exists (section 1). Treat symptomatically and supportively. 		ed personal protective equipment (posure exists (see section 8).
Section	5: Fire-fighting measure	s		
Suit	able extinguishing media		resistant foam dioxide (CO2)	
Uns mec	uitable extinguishing lia	: None k	iown.	
Spe figh	cific hazards during fire- ting	concen potentia	rations, and in th I dust explosion	ne dust dispersed in air in sufficient he presence of an ignition source is a hazard. products may be a hazard to health.
Haz ucts	ardous combustion prod-	: Carbon Metal c Oxides		

Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so.
Special protective equipment for firefighters	:	Evacuate area. In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

Section 6: Accidental release measures

Personal precautions, protec- :	Use personal protective equipment.
tive equipment and emer-	Follow safe handling advice (see section 7) and personal pro-
gency procedures	tective equipment recommendations (see section 8).



Version 5.1	Revision Date: 30.09.2023		OS Number: 5280-00019	Date of last issue: 06.03.2023 Date of first issue: 04.04.2016
Envi	ronmental precautions	:	Retain and dispo	eakage or spillage if safe to do so. se of contaminated wash water. should be advised if significant spillages
	nods and materials for ainment and cleaning up	:	Sweep up or vac tainer for disposa Avoid dispersal of with compressed Dust deposits she es, as these may leased into the at Local or national posal of this mate employed in the of mine which regul Sections 13 and	uum up spillage and collect in suitable con- al. f dust in the air (i.e., clearing dust surfaces
Section	7: Handling and storage	•		
Tech	nnical measures	:	causing an explo Provide adequate	nay accumulate and ignite suspended dust sion. e precautions, such as electrical grounding nert atmospheres.
	al/Total ventilation ce on safe handling	:	Use only with add Do not get on ski Do not breathe d Do not swallow. Do not get in eye Wash skin thorou Handle in accord practice, based of sessment Minimize dust ge Keep container of Keep away from Take precautiona	equate ventilation. n or clothing. ust.
Hygi	ene measures	:	If exposure to che flushing systems place. When using do n	emical is likely during typical use, provide eye and safety showers close to the working ot eat, drink or smoke.

The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the

Wash contaminated clothing before re-use.



Version Revision Date:	SDS Number:	Date of last issue: 06.03.2023
5.1 30.09.2023	595280-00019	Date of first issue: 04.04.2016
Conditions for safe storage Materials to avoid	Store in accordar	labelled containers. nce with the particular national regulations. the following product types:

Section 8: Exposure controls/personal protection

	•			
Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Sitagliptin	654671-77-9	TWA	0.5 mg/m3 (OEB 2)	Internal
Cellulose	9004-34-6	WES-TWA	10 mg/m3	NZ OEL
		TWA	10 mg/m3	ACGIH
Ertugliflozin	1210344-83- 4	TWA	10 µg/m3 (OEB 3)	Internal
		Wipe limit	100 µg/100 cm ²	Internal
Magnesium stearate	557-04-0	WES-TWA	10 mg/m3	NZ OEL
		TWA (Inhal- able particu- late matter)	10 mg/m3	ACGIH
		TWA (Res- pirable par- ticulate mat- ter)	3 mg/m3	ACGIH

Components with workplace control parameters

Engineering measures	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 compound are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face con- tainment devices). Minimize open handling.	
Personal protective equipme		
Respiratory protection Filter type Hand protection	If adequate local exhaust ventilation is not available or expo sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Particulates type	-
Material	Chemical-resistant gloves	
	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.	



Version 5.1	Revision Date: 30.09.2023		S Number: 5280-00019	Date of last issue: 06.03.2023 Date of first issue: 04.04.2016
Skin	and body protection	:	potential for dire aerosols. Work uniform or Additional body task being perfo posable suits) to	garments should be used based upon the rmed (e.g., sleevelets, apron, gauntlets, dis- avoid exposed skin surfaces. degowning techniques to remove potentially
Section	9: Physical and chemica	al pr	operties	
Арр	earance	:	powder	
Colo	bur	:	No data availat	le
Odo	ur	:	No data availat	le
Odo	ur Threshold	:	No data availat	le
pН		:	No data availat	le
Melt	ing point/freezing point	:	No data availat	le
Initia rang	al boiling point and boiling ge	:	No data availat	le
Flas	h point	:	Not applicable	
Eva	poration rate	:	Not applicable	
Flan	nmability (solid, gas)	:	May form explo dling or other m	sive dust-air mixture during processing, han- neans.
Flan	nmability (liquids)	:	No data availat	le
	er explosion limit / Upper mability limit	:	No data availat	le
	er explosion limit / Lower mability limit	:	No data availat	le
Vap	our pressure	:	Not applicable	
Rela	ative vapour density	:	Not applicable	
Rela	ative density	:	No data availab	le
Den	sity	:	No data availab	le
	ıbility(ies) Vater solubility	:	No data availat	le

Revision Date:

30.09.2023

Version

5.1



Date of last issue: 06.03.2023

Date of first issue: 04.04.2016

Ertugliflozin (< 2%) / Sitagliptin Formulation

SDS Number:

595280-00019

0.1	00:00:2020	000				
	Partition coefficient: n-	:	Not applicable			
	octanol/water Auto-ignition temperature	:	No data available			
	Decomposition temperature	:	No data available			
	Viscosity Viscosity, kinematic	:	Not applicable			
	Explosive properties	:	Not explosive			
	Oxidizing properties	:	The substance or mixture is not	classified as oxidizing.		
	Molecular weight	:	No data available			
	Particle size	:	No data available			
Sec	tion 10: Stability and reactivity	itv				
	Reactivity Chemical stability Possibility of hazardous reac- tions	:	Not classified as a reactivity haz Stable under normal conditions. May form explosive dust-air mix dling or other means. Can react with strong oxidizing	ture during processing, han-		
	Conditions to avoid	:	Heat, flames and sparks. Avoid dust formation. Oxidizing agents			
	Hazardous decomposition products	:	No hazardous decomposition pr	roducts are known.		
Sec	tion 11: Toxicological inform	atic	1			
	Exposure routes	:	Inhalation Skin contact Ingestion Eye contact			
	Acute toxicity		for second second			
	Not classified based on availa Product:	ble	nformation.			
	Acute oral toxicity	:	Acute toxicity estimate: > 2,000 n Method: Calculation method	mg/kg		
	Components:					
	Sitagliptin:					
	Acute oral toxicity	:	LD50 (Rat): > 3,000 mg/kg			



ersion 1	Revision Date: 30.09.2023	-	OS Number: 5280-00019	Date of last issue: 06.03.2023 Date of first issue: 04.04.2016
			LD50 (Mouse)	: 3,000 mg/kg
Cellu				
	oral toxicity	:	LD50 (Rat): >	5,000 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): > 5 Exposure time Test atmosphe	: 4 h
Acute	dermal toxicity	:	LD50 (Rabbit):	> 2,000 mg/kg
Ertug	liflozin:			
	oral toxicity	:	LD50 (Rat): 50	0 mg/kg
Acute	inhalation toxicity	:	Remarks: No c	lata available
Acute	dermal toxicity	:	Remarks: No c	lata available
Magn	esium stearate:			
-	oral toxicity	:	Assessment: T icity	2,000 mg/kg 0 Test Guideline 423 The substance or mixture has no acute oral tox ed on data from similar materials
Acute	dermal toxicity	:	LD50 (Rabbit): Remarks: Base	> 2,000 mg/kg ed on data from similar materials
Propy	/l 3,4,5-trihydroxyber	nzoat	e:	
	oral toxicity	:		female): > 1,000 - 2,000 mg/kg
Acute	dermal toxicity	:		2,000 mg/kg 0 Test Guideline 402 The substance or mixture has no acute dermal
-	corrosion/irritation es skin irritation.			
Comp	oonents:			
Sitag	liptin:			
Speci Metho Resul	bd	:	Rabbit Draize Test No skin irritatic	n
-	liflozin:			
Resul	t	:	Corrosive	



Version 5.1	Revision Date: 30.09.2023		DS Number: 95280-00019	Date of last issue: 06.03.2023 Date of first issue: 04.04.2016
Mag	nesium stearate:			
Spec Resu		:	Rabbit No skin irritation	
Rem		:		om similar materials
Prop	yl 3,4,5-trihydroxybei	nzoa	te:	
Spec Meth		:	reconstructed hu OECD Test Guid	man epidermis (RhE)
weu	100	•	OECD Test Guid	eine 439
Resu	ult	:	No skin irritation	
. .		•• •		
	ous eye damage/eye i ses serious eye irritation		lion	
	-	1.		
	ponents:			
-	gliptin:		5.11%	
Spec Resu		:	Rabbit Irritating to eyes.	
Meth		:	Draize Test	
	gliflozin:		0	
Resu	lit	:	Severe irritation	
Маа	nesium stearate:			
Spec		:	Rabbit	
Resu		:	No eye irritation	
Rem	arks	:	Based on data fro	om similar materials
Pror	yl 3,4,5-trihydroxybei	ızoa	te:	
Spec		:	Rabbit	
Resi	ılt	:	Irreversible effect	
Meth	lod	:	OECD Test Guid	eline 405
Res	oiratory or skin sensit	isati	on	
-	sensitisation			
-	cause an allergic skin r	eact	ion.	
•	piratory sensitisation	-		
-	classified based on ava	ilable	e information.	
Com	ponents:			
	gliptin:			
	- -			

Test Type	:	Local lymph node assay (LLNA)
Species	:	Mouse



ersion 1	Revision Date: 30.09.2023	SDS Number: 595280-00019	Date of last issue: 06.03.2023 Date of first issue: 04.04.2016
Metho	od	: OECD Test Gu	idalina 420
Resu		: Not a skin sens	
Ertug	gliflozin:		
Test ⁻ Resu		: Local lymph no : Not a skin sens	ode assay (LLNA) sitizer
rtood			
-	nesium stearate:		
Test		: Maximisation T	est
	sure routes	: Skin contact	
Speci	ies	: Guinea pig	
Metho	od	: OECD Test Gu	ideline 406
Resu	lt	: negative	
Rema	arks	: Based on data	from similar materials
Prop	yl 3,4,5-trihydroxybe	enzoate:	
Test			ode assay (LLNA)
		: Skin contact	de assay (LLINA)
	sure routes		
Speci		: Mouse	
Resu	It	: positive	
Asses	ssment	: Probability or e	vidence of skin sensitisation in humans
Chro	nic toxicity		
Germ	n cell mutagenicity		
Not c	lassified based on av	ailable information.	
<u>Com</u>	ponents:		
-	liptin: toxicity in vitro	: Test Type: Am	oc tost
Geno		Result: negativ	
			omosome aberration test in vitro hinese hamster ovary cells e
Geno	toxicity in vivo	: Test Type: Mic Species: Mous Application Ro Result: negativ	e ute: Oral
0 . "	1		
Cellu	lose:		



ersion Revisi .1 30.09	ion Date: .2023	SDS Number: 595280-00019	Date of last issue: 06.03.2023 Date of first issue: 04.04.2016	
Genotoxicity ir	n 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	
Genotoxicity ir	ו vivo	cytogenetic a Species: Mo	use Route: Ingestion	
Ertugliflozin:				
Genotoxicity ir	n vitro	: Test Type: B Result: nega	acterial reverse mutation assay (AMES) tive	
		Test Type: C Result: nega	hromosome aberration test in vitro	
Genotoxicity ir	n vivo	cytogenetic a Species: Rat	Test Type: Mammalian erythrocyte micronucleus test (in v cytogenetic assay) Species: Rat Result: negative	
Magnesium s	tearate:			
-	Genotoxicity in vitro		n vitro mammalian cell gene mutation test tive Ised on data from similar materials	
			hromosome aberration test in vitro CD Test Guideline 473 tive	
			used on data from similar materials	
		Result: nega	acterial reverse mutation assay (AMES) tive used on data from similar materials	
Propyl 3,4,5-t	ribydroxybe	nzoste:		
Genotoxicity ir			acterial reverse mutation assay (AMES) tive	
		Test Type: Ir Result: positi	n vitro mammalian cell gene mutation test	
		Test Type: C Result: positi	hromosome aberration test in vitro	
			NA damage and repair, unscheduled DNA syn- nmalian cells (in vitro)	



ersion 1	Revision Date: 30.09.2023	SDS Number: 595280-00019	Date of last issue: 06.03.2023 Date of first issue: 04.04.2016					
		Result: negativ	ve					
		Tast Tasa Is						
		Test Type: In malian cells Result: positiv	vitro sister chromatid exchange assay in mar e					
Genot	oxicity in vivo	cytogenetic as Species: Mous Application Ro	: Test Type: Mammalian erythrocyte micronucleus test (in vive cytogenetic assay) Species: Mouse Application Route: Intraperitoneal injection Result: negative					
	nogenicity							
	assified based on ava oonents:	ilable information.						
Sitagl								
Specie	es ation Route	: Mouse : Oral						
	sure time	: 2 Years						
Result		: negative						
Specie		: Rat : oral (drinking v	watar					
	ation Route	: 2 Years	water)					
Result		: positive						
	t Organs	: Liver						
Rema	rks	: Significant tox	icity observed in testing					
Carcir ment	nogenicity - Assess-	: Weight of evid cinogen	lence does not support classification as a car					
Cellul	ose:							
Specie		: Rat						
	ation Route	: Ingestion						
Expos Result	sure time t	: 72 weeks : negative						
Ertua	liflozin:							
Specie		: Mouse						
Applic	ation Route	: Oral						
	sure time	: 2 Years						
Result	τ	: negative						
Specie		: Rat						
	ation Route	: Oral						
	ure time	: 2 Years						
Expos								
		: negative						



ersion 1	Revision Date: 30.09.2023		S Number: 5280-00019	Date of last issue: 06.03.2023 Date of first issue: 04.04.2016
ment			cinogen	
Pron	/l 3,4,5-trihydroxyber	vzoat	o.	
Speci		:	Rat	
	ation Route	:	Ingestion	
Expos Resul	sure time t	:	103 weeks negative	
-	oductive toxicity			
	assified based on avai	ilable	information.	
Sitag	oonents:			
-	s on fertility	:	Test Type: Fer	tility/early embryonic development
		-	Species: Rat	
			Application Ro	ute: Oral L Parent: 1,000 mg/kg body weight
				testing did not show any effects on fertility.
Effect ment	s on foetal develop-	:	Test Type: Em Species: Rat	bryo-foetal development
mont			Application Ro	
			Result: Embryo	LOAEL: 250 mg/kg body weight ptoxic effects and adverse effects on the off tected., No teratogenic effects
				bryo-foetal development
			Species: Rabb Teratogenicity:	NOAEL: 125 mg/kg body weight
				atogenic effects
Cellu	lose:			
Effect	s on fertility	:		e-generation reproduction toxicity study
			Species: Rat Application Ro	ute: Ingestion
			Result: negativ	
	s on foetal develop-	:		tility/early embryonic development
ment			Species: Rat Application Ro	ute: Indestion
			Result: negativ	
Ertug	liflozin:			
Effect	s on fertility	:		tility/early embryonic development
			Species: Rat Application Ro	ute: Oral
			Fertility: NOAE	L: 250 mg/kg body weight
				ernal toxicity observed. adverse effects were reported
			i to significant a	auverse enecis were reported



Version 5.1	Revision Date: 30.09.2023	SDS Number: 595280-00019	Date of last issue: 06.03.2023 Date of first issue: 04.04.2016
Effec	ets on foetal develop-	Species: Ra Application Fertility: NC Remarks: N : Test Type: Species: Ra Application Developme Remarks: A Test Type: Species: Ra Application Developme	Route: Oral DAEL: 200 mg/kg body weight lo significant adverse effects were reported Embryo-foetal development at Route: Oral ntal Toxicity: NOAEL: 50 mg/kg body weight adverse developmental effects were observed Embryo-foetal development abbit Route: Oral ntal Toxicity: NOAEL: 250 mg/kg body weight
Масі	nesium stearate:	Remarks: N	lo significant adverse effects were reported
-	ets on fertility	reproductio Species: Ra Application Method: OE Result: neg	Route: Ingestion ECD Test Guideline 422
Effec ment	ts on foetal develop-	Species: Ra Application Result: neg	Route: Ingestion
Prop	yl 3,4,5-trihydroxyben	zoate:	
-	ets on fertility	: Test Type: Species: Ra	Route: Ingestion
Effec ment	ts on foetal develop-	Species: Ra	Route: Ingestion
070	_		

STOT - single exposure

Not classified based on available information.



Version 5.1	Revision Date: 30.09.2023		DS Number: 5280-00019	Date of last issue: 06.03.2023 Date of first issue: 04.04.2016	
STO	Γ - repeated exposu	re			
	cause damage to orga if swallowed.	ans (Ki	dney, Stomach,	Prostate) through prolonged or repeated expo	
Com	ponents:				
Ertug	gliflozin:				
Expo	sure routes et Organs	:	Oral Kidney, Stoma	ach, Prostate	
Asse	ssment	:	May cause damage to organs through prolonged or repeated exposure.		
Repe	ated dose toxicity				
<u>Com</u>	ponents:				
Sitag	liptin:				
Spec NOA		:	Mouse 500 mg/kg		
LOAE		:	1,000 mg/kg		
-	cation Route	:	Oral		
	sure time	:	> 2 yr		
large	et Organs	:	Kidney		
Spec		:	Rat		
NOA		:	500 mg/kg		
LOAE	EL	-	1,000 mg/kg Oral		

Species
NOAEL
LOAEL
Application Route
Exposure time
Target Organs

Target Organs	:	Liver, Kidney, Heart, Teeth
Species NOAEL LOAEL Application Route Exposure time Target Organs Symptoms Remarks		Dog 10 mg/kg 50 mg/kg Oral 53 Weeks Central nervous system Loss of balance The mechanism or mode of action may not be relevant in hu- mans.
Species NOAEL LOAEL Application Route Exposure time Target Organs Symptoms Remarks		Dog 2 mg/kg 10 mg/kg Oral 27 Weeks Skeletal muscle, Central nervous system Loss of balance The mechanism or mode of action may not be relevant in hu- mans.
Species	:	Monkey

: Oral : 14 Weeks



Version 5.1	Revision Date: 30.09.2023		9S Number: 5280-00019	Date of last issue: 06.03.2023 Date of first issue: 04.04.2016
NOA	EL	:	100 mg/kg	
	ication Route	:	Oral	
Expo Rem	osure time	:	14 Weeks	adverse effects were reported
Kem	ains	•	NO SIGNICAN	adverse effects were reported
	ulose:			
Spec		:	Rat	ka
NOA Appli	ication Route	:	>= 9,000 mg/ Ingestion	ĸġ
	osure time	:	90 Days	
Ertu	gliflozin:			
Spec	zies	:	Rat	
LÒA		:	500 mg/kg	
	ication Route	:	Oral	
Expo	osure time	:	30 d	
Spec		:	Rat	
LOA		:	250 mg/kg Oral	
	ication Route	•	Oral 30 d	
	et Organs	:	Kidney	
Spec		:	Rat	
LOA		:	25 mg/kg	
	ication Route	:	Oral 180 d	
	et Organs	:	Kidney, Bone	, Stomach
Spec	cies	:	Rat	
LOA		:	25 mg/kg	
	osure time et Organs	:	90 d Kidney, Gastr	ointestinal tract, Prostate
Spec		:	Dog	
NOA		:	150 mg/kg	
	ication Route	:	Oral 270 d	
Rem	osure time arks	:		adverse effects were reported
Spec		:	Mouse	
NOA		:	100 mg/kg	
	ication Route	:	Oral	
Rem	osure time arks		90 d No significant	adverse effects were reported
Spec		:	Mouse	
NOA		:	100 mg/kg	
	ication Route	:	Oral 28 d	
	osure time et Organs	:	28 d Bone	
rarg	or organo	•	20110	



sion	Revision Date: 30.09.2023		98 Number: 5280-00019	Date of last issue: 06.03.2023 Date of first issue: 04.04.2016
Rema	ırks	:	No significant	adverse effects were reported
Magn	esium stearate:			
	EL cation Route sure time	:	Rat > 100 mg/kg Ingestion 90 Days Based on data	from similar materials
Propy	/l 3,4,5-trihydroxybe	enzoat	e:	
		:	Rat 135 mg/kg Ingestion 13 Weeks	
•	ation toxicity assified based on ava	ailable	information.	
Expe	rience with human e	exposi	ire	
<u>Comp</u>	oonents:			
Sitag	liptin:			
Inhala		:	Headache	per respiratory tract infection, pharyngitis,
Ingest	tion	:		per respiratory tract infection, nasopharyngiti usea, Abdominal pain, Diarrhoea
Ertug	liflozin:			
Ingest	tion	:	constipation, E	e most common side effects are:, Headache Diarrhoea, Nausea, urinary tract infection, mu r respiratory tract infection
tion 12	2: Ecological inform	ation		
Ecoto	oxicity			
<u>Comp</u>	oonents:			
Sitag	liptin:			
Toxici	ty to fish	:	Exposure time	ales promelas (fathead minnow)): > 100 mg/ : 96 h D Test Guideline 203
	ty to daphnia and oth ic invertebrates	ier :	Exposure time	a magna (Water flea)): 60 mg/l : 48 h D Test Guideline 202
Toxici plants	ty to algae/aquatic	:	EC50 (Pseudo mg/l Exposure time	kirchneriella subcapitata (green algae)): > 39 : 96 h



Version 5.1	Revision Date: 30.09.2023		OS Number: 5280-00019	Date of last issue: 06.03.2023 Date of first issue: 04.04.2016
			Method: OECD	Test Guideline 201
			mg/l Exposure time:	okirchneriella subcapitata (green algae)): 2.2 96 h 9 Test Guideline 201
Toxi icity)	city to fish (Chronic tox-	:	Exposure time:	nales promelas (fathead minnow)): 9.2 mg/l 33 d 9 Test Guideline 210
aqua	city to daphnia and other atic invertebrates (Chron- xicity)	:	Exposure time:	a magna (Water flea)): 9.8 mg/l 21 d 9 Test Guideline 211
Тохі	Toxicity to microorganisms			
			NOEC: 150 mg Exposure time: Test Type: Res	
Cell	ulose:			
Toxi	city to fish	:	Exposure time:	latipes (Japanese medaka)): > 100 mg/l 48 h ed on data from similar materials
Ertu	gliflozin:			
Toxi plan	city to algae/aquatic ts	:	Exposure time:	kirchneriella subcapitata (green algae)): 77 mg/l 72 h 9 Test Guideline 201
			mg/l Exposure time:	okirchneriella subcapitata (green algae)): 50 72 h 9 Test Guideline 201
Toxi icity)	city to fish (Chronic tox-	:	Exposure time: Method: OECD	nales promelas (fathead minnow)): 1 mg/l 32 d 9 Test Guideline 210 oxicity at the limit of solubility
aqua	city to daphnia and other atic invertebrates (Chron- xicity)	:	Exposure time: Method: OECD	a magna (Water flea)): 2.14 mg/l 21 d 9 Test Guideline 211 pxicity at the limit of solubility
Toxi	city to microorganisms	:	EC50: > 1,000 Exposure time:	



/ersion 5.1	Revision Date: 30.09.2023		S Number: 5280-00019	Date of last issue: 06.03.2023 Date of first issue: 04.04.2016
			Method: OECD NOEC: 1,000 n Exposure time:	3 h
				piration inhibition Test Guideline 209
Magn	esium stearate:			
-	ity to fish	:	Exposure time: Method: DIN 38	
	ity to daphnia and other ic invertebrates	:	Exposure time: Test substance Method: Directi Remarks: Base	magna (Water flea)): > 1 mg/l 47 h e: Water Accommodated Fraction ive 67/548/EEC, Annex V, C.2. ed on data from similar materials he limit of solubility
Toxic plants	ity to algae/aquatic	:	mg/l Exposure time: Test substance Method: OECD Remarks: Base	kirchneriella subcapitata (green algae)): > 1 72 h e: Water Accommodated Fraction 0 Test Guideline 201 ed on data from similar materials ne limit of solubility
			mg/l Exposure time: Test substance Method: OECD	dokirchneriella subcapitata (green algae)): > 72 h e: Water Accommodated Fraction 9 Test Guideline 201 ed on data from similar materials
Toxic	ity to microorganisms	:	Exposure time: Test substance	monas putida): > 100 mg/l 16 h e: Water Accommodated Fraction ed on data from similar materials
Prop	yl 3,4,5-trihydroxybenz	oat	e:	
	ity to daphnia and other ic invertebrates	:	Exposure time: Test substance	a magna (Water flea)): 19.06 mg/l 48 h e: Neutralised product 9 Test Guideline 202
Toxic plants	ity to algae/aquatic	:	mg/l Exposure time:	okirchneriella subcapitata (green algae)): 0.3 72 h e: Neutralised product



Version 5.1	Revision Date: 30.09.2023		DS Number: 5280-00019	Date of last issue: 06.03.2023 Date of first issue: 04.04.2016
			Method: OECD	Test Guideline 201
			mg/l Exposure time: ⁻ Test substance:	irchneriella subcapitata (green algae)): 0.17 72 h Neutralised product Test Guideline 201
M-F icity	Factor (Acute aquatic tox-	:	1	
	icity to microorganisms	:	EC50: 636 mg/l Exposure time: 3 Method: OECD	3 h Test Guideline 209
Per	sistence and degradabil	ity		
<u>Cor</u>	nponents:			
	agliptin:			
Bio	degradability	:	Result: not rapic Biodegradation: Exposure time: 2 Method: OECD	39.7 %
Sta	bility in water	:	Hydrolysis: 50 % Method: OECD	6(401 d) Test Guideline 111
Cel	lulose:			
Bio	degradability	:	Result: Readily	biodegradable.
Erti	ugliflozin:			
Bio	degradability	:	Result: Not read Biodegradation: Exposure time: 2	
Ма	gnesium stearate:			
Bio	degradability	:	Result: Not biod Remarks: Based	egradable d on data from similar materials
Pro	pyl 3,4,5-trihydroxybenz	oat	e:	
Bio	degradability	:	Biodegradation: Exposure time: 2	



/ersion 5.1	Revision Date: 30.09.2023	-	9S Number: 5280-00019	Date of last issue: 06.03.2023 Date of first issue: 04.04.2016
Bioad	cumulative potential			
Com	oonents:			
Partiti	liptin: ion coefficient: n- ol/water	:	log Pow: -0.03	
Partiti	l iflozin: ion coefficient: n- ol/water	:	log Pow: 2.47	
Partiti	esium stearate: ion coefficient: n- ol/water	:	log Pow: > 4	
Propy	yl 3,4,5-trihydroxybenz	zoat	e:	
	ion coefficient: n- ol/water	:	log Pow: 1.8 Remarks: Calcula	ation
Mobi	lity in soil			
Comp	oonents:			
Sitag	liptin:			
	oution among environ- al compartments	:	log Koc: 4.37	
Ertug	liflozin:			
	oution among environ- al compartments	:	log Koc: 2.88	
•	r adverse effects ata available			
ection 1	3: Disposal considerat	ions	5	
Dien	osal 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 han- dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

Section 14: Transport information

International Regulations

UNRTDG		
UN number	: Not	applicable
Proper shipping name	: Not	applicable
Class	: Not	applicable
Subsidiary risk	: Not	applicable



Version 5.1	Revision Date: 30.09.2023		0S Number: 5280-00019	Date of last issue: 06.03.2023 Date of first issue: 04.04.2016
Pac	king group	:	Not applicable	
Labe	els	:	Not applicable	
IAT	A-DGR			
UN/	ID No.	:	Not applicable	
	per shipping name	:	Not applicable	
Clas	-	:	Not applicable	
	sidiary risk	:	Not applicable	
	king group	:	Not applicable	
Labe		:	Not applicable	
aircr	,	:	Not applicable	
	king instruction (passen- aircraft)	:	Not applicable	
IMD	G-Code			
	number	•	Not applicable	
	per shipping name	÷	Not applicable	
Clas		:	Not applicable	
Sub	sidiary risk	:	Not applicable	
	king group	:	Not applicable	
Labe		:	Not applicable	
EmS	S Code	:	Not applicable	
Mari	ne pollutant	:	Not applicable	
Trar	nsport in bulk according	q to	Annex II of MARP	OL 73/78 and the IBC Code
	applicable for product as	-		
Nati	onal Regulations			
N79	S 5433			
	number		Not applicable	
		•		

UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk		Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
Hazchem Code	:	Not applicable

Special precautions for user

Not applicable

Section 15: Regulatory information

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

HSNO Approval Number

HSR100425 Pharmaceutical Active Ingredients Group Standard

HSW Controls

Certified handler certificate not required. Tracking hazardous substance not required. Date format



Ertugliflozin (< 2%) / Sitagliptin Formulation

Versior 5.1	n Revision Date: 30.09.2023		DS Number: 5280-00019	Date of last issue: 06.03.2023 Date of first issue: 04.04.2016
	efer to the Health and Safet rmation.	y at	Work (Hazardous	Substances) Regulations 2017, for further in-
Th	ne components of this pro	odu	ct are reported in	the following inventories:
Al	CS	:	not determined	
DS	SL	:	not determined	
IE	CSC	:	not determined	
Section	n 16: Other information			
Re	evision Date	:	30.09.2023	
Fu	irther information			
со	ources of key data used to mpile the Safety Data neet	:		data, data from raw material SDSs, OECD arch results and European Chemicals Agen- ropa.eu/

 Full text of other abbreviations

 ACGIH
 :
 USA. ACGIH Threshold Limit Values (TLV)

 NZ OEL
 :
 New Zealand. Workplace Exposure Standards for Atmospheric Contaminants

 ACGIH / TWA
 :
 8-hour, time-weighted average

dd.mm.yyyy

:

ACGIH / TWA	:	8-hour, time-weighted average
NZ OEL / WES-TWA	:	Workplace Exposure Standard - Time Weighted average

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 Substanc-





Version	Revision Date:	SDS Number:	Date of last issue: 06.03.2023
5.1	30.09.2023	595280-00019	Date of first issue: 04.04.2016

es; (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 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.

NZ / EN