

Version 4.1	Revision Date: 30.09.2023		S Number: )560-00018		sue: 04.04.2023 sue: 01.04.2016
Section 1	: Identification				
Prod	uct name	:	Ertugliflozin / I	Metformin Formula	ation
Manu	ufacturer or supplier's d	eta	ils		
Com	bany	:	MSD		
Addro	ess	:	33 Whakatiki S Upper Hutt - N	Street - Private Ba Iew Zealand	g 908
Telep	phone	:	0800 800 543		
Emer	gency telephone number	:	0800 764 766 CHEMCALL)	(0800 POISON)	0800 243 622 (0800
E-ma	il address	:	EHSDATASTI	EWARD@msd.coi	m
Restr	mmended use rictions on use	:	Pharmaceutic Not applicable		
CHS	Classification				
	e toxicity (Oral)	:	Category 4		
GHS	label elements				
Haza	rd pictograms	:			
Signa	al word	:	Warning		
Haza	rd statements	:	H302 Harmful	if swallowed.	
Preca	autionary statements	:		kin thoroughly afte at, drink or smoke	r handling. when using this product
				+ P330 IF SWALL tor if you feel unw	OWED: Call a POISON ell. Rinse mouth.

### Disposal:

P501 Dispose of contents/ container to an approved waste



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disposal plant.

### Other hazards which do not result in classification

Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin. May form explosive dust-air mixture during processing, handling or other means.

### Section 3: Composition/information on ingredients

Substance / Mixture : Mixture

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
metformin hydrochloride	1115-70-4	>= 70 -< 90
Cellulose	9004-34-6	>= 10 -< 20
Magnesium stearate	557-04-0	>= 1 -< 10
Ertugliflozin	1210344-83-4	>= 0.1 -< 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	:	Wash with water and soap. Get medical attention if symptoms occur.
In case of eye contact	:	If in eyes, rinse well with water.
If swallowed	:	Get medical attention if irritation develops and persists. If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.
Most important symptoms	:	Harmful if swallowed.
and effects, both acute and delayed		Contact with dust can cause mechanical irritation or drying of the skin.
-		Dust contact with the eyes can lead to mechanical irritation.
Protection of first-aiders	:	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
Notes to physician	:	Treat symptomatically and supportively.

### Section 5: Fire-fighting measures

Suitable extinguishing media	:	Water spray
		Alcohol-resistant foam
		Carbon dioxide (CO2)
		Dry chemical



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1	Insuita	ble extinguishing		None known.	
n S	nedia	hazards during fire-	:	Avoid generating concentrations, ar potential dust exp	dust; fine dust dispersed in air in sufficient nd in the presence of an ignition source is a losion hazard. bustion products may be a hazard to health.
	Hazardo ucts	ous combustion prod-	:	Carbon oxides Nitrogen oxides (N Metal oxides	NOx)
	Specific ods	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
	Special or firefi	protective equipment ghters	:		e, wear self-contained breathing apparatus. ective equipment.
Section	on 6: A	Accidental release me	easi	ures	
ti	ive equ	al precautions, protec- ipment and emer- rocedures	:		ective equipment. ing advice (see section 7) and personal pro- recommendations (see section 8).
E	Environ	mental precautions	:	Retain and dispos	akage or spillage if safe to do so. e of contaminated wash water. should be advised if significant spillages
		s and materials for ment and cleaning up	:	tainer for disposal Avoid dispersal of with compressed Dust deposits sho es, as these may leased into the atr Local or national r posal of this mate employed in the c mine which regula Sections 13 and 1	dust in the air (i.e., clearing dust surfaces

### Section 7: Handling and storage

Technical measures	<ul> <li>Static electricity may accumulate and ignite suspended dust causing an explosion.</li> <li>Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.</li> </ul>
	Provide adequate precautions, such as electrical grounding



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	/Total ventilation	: Do not breath Do not swallow Avoid contact Avoid prolong Wash skin tho Handle in acco practice, base sessment Minimize dust Keep containe Keep away fro Take precautio Do not eat, dri	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			
Hygie	ene measures	flushing system place. When using d Wash contam The effective of engineering of appropriate de industrial hygi	chemical is likely during typical use, provide eye ms and safety showers close to the working o not eat, drink or smoke. inated clothing before re-use. operation of a facility should include review of ontrols, proper personal protective equipment, egowning and decontamination procedures, ene monitoring, medical surveillance and the strative controls.			
	itions for safe storage rials to avoid	: Keep in prope Store in accor : Do not store w	<ul> <li>Keep in properly labelled containers.</li> <li>Store in accordance with the particular national regulations.</li> <li>Do not store with the following product types:</li> <li>Strong oxidizing agents</li> </ul>			

### Section 8: Exposure controls/personal protection

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
metformin hydrochloride	1115-70-4	TWA	1 mg/m3 (OEB 1)	Internal
Cellulose	9004-34-6	WES-TWA	10 mg/m3	NZ OEL
		TWA	10 mg/m3	ACGIH
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
Ertugliflozin	1210344-83- 4	TWA	10 µg/m3 (OEB 3)	Internal

### Components with workplace control parameters



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			Wipe limit   100 μg/100 cm²   Internal				
Engi	neering measures	design and protect pro Containme are require the compo tainment d	ering controls should be implemented by facility d operated in accordance with GMP principles to oducts, workers, and the environment. ent technologies suitable for controlling compounds ed to control at source and to prevent migration of ound to uncontrolled areas (e.g., open-face con- levices). open handling.				
Pers	onal protective equip	ment					
Respiratory protection		sure asses	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Particulates type				
	d protection	. Failediate	jpo				
Μ	laterial	: Chemical-	resistant gloves				
	emarks protection	: Wear safe If the work mists or ae Wear a fac	double gloving. ty glasses with side shields or goggles. environment or activity involves dusty conditions, erosols, wear the appropriate goggles. ceshield or other full face protection if there is a or direct contact to the face with dusts, mists, or				
Skin	and body protection	orm or laboratory coat. body garments should be used based upon the performed (e.g., sleevelets, apron, gauntlets, dis- uits) to avoid exposed skin surfaces. priate degowning techniques to remove potentially ted clothing.					

### Section 9: Physical and chemical properties

Appearance	:	powder
Colour	:	No data available
Odour	:	No data available
Odour Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	Not applicable





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Evapo	pration rate	:	Not applicable			
Flamr	nability (solid, gas)	:	May form explos dling or other me	ive dust-air mixture during processing, han- ans.		
Flamr	nability (liquids)	:	No data available	9		
	r explosion limit / Upper nability limit	:	No data available	2		
	r explosion limit / Lower nability limit	:	No data available	9		
Vapo	ur pressure	:	: Not applicable			
Relati	ve vapour density	:	Not applicable			
Relati	ve density	:	No data available	9		
Densi	ty	:	No data available	9		
	ility(ies) ater solubility	:	No data available	9		
	on coefficient: n-	:	Not applicable			
	ol/water ignition temperature	:	No data available	9		
Decor	mposition temperature	:	No data available	9		
Visco Vis	sity scosity, kinematic	:	Not applicable			
Explo	sive properties	:	Not explosive			
Oxidiz	zing properties	:	The substance o	r mixture is not classified as oxidizing.		
Partic	le size	:	No data available	2		

### Section 10: Stability and reactivity

Reactivity Chemical stability Possibility of hazardous reac- tions	:	Not classified as a reactivity hazard. Stable under normal conditions. May form explosive dust-air mixture during processing, han- dling or other means. Can react with strong oxidizing agents.
Conditions to avoid	:	Heat, flames and sparks. Avoid dust formation.





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	npatible materials rdous decomposition icts	: Oxidizing agents : No hazardous decom	position products are known.
Section 1	1: Toxicological info	nation	
Expo	sure routes	: Inhalation Skin contact Ingestion Eye contact	
	<b>e toxicity</b> ful if swallowed.		
Produ Acute	<u>uct:</u> oral toxicity	: Acute toxicity estimate Method: Calculation m	
Com	ponents:		
metfo	ormin hydrochloride:		
Acute	e oral toxicity	: LD50 (Rat): 1,000 mg/	/kg
		LD50 (Mouse): 1,450	- 3,500 mg/kg
		LD50 (Monkey): 463 r	ng/kg
		LD50 (Rabbit): 350 mg	g/kg
		LD50 (Guinea pig): 50	)0 mg/kg
Cellu	lose:		
Acute	e oral toxicity	: LD50 (Rat): > 5,000 m	ng/kg
Acute	inhalation toxicity	: LC50 (Rat): > 5.8 mg/ Exposure time: 4 h Test atmosphere: dus	
Acute	e dermal toxicity	: LD50 (Rabbit): > 2,000	0 mg/kg
Magn	nesium stearate:		
-	e oral toxicity	icity	
Acute	e dermal toxicity	: LD50 (Rabbit): > 2,000 Remarks: Based on da	0 mg/kg ata from similar materials



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Ertug	liflozin:			
-	oral toxicity	: LD	50 (Rat): 50	0 mg/kg
Acute	inhalation toxicity	: Re	marks: No d	lata available
Acute	e dermal toxicity	: Re	marks: No d	lata available
-	corrosion/irritation lassified based on ava	ilable info	rmation.	
Com	oonents:			
metfo	ormin hydrochloride:			
Speci Resul			lbbit Id skin irritati	on
Magn	esium stearate:			
Speci			bbit	
Resul Rema			skin irritatio sed on data	n from similar materials
		-		
-	liflozin:			
Resu	lt	: Co	orrosive	
Serio	us eye damage/eye i	rritation		
	lassified based on ava		rmation.	
<u>Com</u>	oonents:			
metfo	ormin hydrochloride:			
Speci	es	: Ra	bbit	
Resul	lt	: Mi	ld eye irritatio	on
Magn	esium stearate:			
Speci	es		lbbit	
Resul Rema			eye irritation	n from similar materials
Rema	IIKS	. Da	sed on data	from similar materials
Ertug	liflozin:			
Resu	lt	: Se	vere irritatio	n
Resp	iratory or skin sensi	isation		
Skin	sensitisation			
Not cl	lassified based on ava	ilable info	rmation.	
Resp	iratory sensitisation			
Not cl	assified based on ava	ilable info	rmation.	



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Comp	oonents:		
Magn	esium stearate:		
Test T		: Maximisatio	
Expos	sure routes es	: Skin contact : Guinea pig	
Metho			Guideline 406
Resul		: negative	
Rema	rks	: Based on da	ata from similar materials
	liflozin:		
Test T		: Local lymph : Not a skin s	node assay (LLNA)
Resul	L	. NOL A SKIT S	ensidzer.
Chror	nic toxicity		
Germ	cell mutagenicity		
Not cl	assified based on av	ailable information.	
<u>Comp</u>	oonents:		
metfo	rmin hydrochloride	:	
Genot	oxicity in vitro	: Test Type: E Result: nega	Bacterial reverse mutation assay (AMES) ative
			n vitro assay : mouse lymphoma cells ative
			Chromosomal aberration : Human lymphocytes ative
Genot	oxicity in vivo	: Test Type: N	Aicronucleus test
		Species: Mo	ouse
		Application Result: nega	
Cellul Genot	ose: oxicity in vitro	: Test Type: E	Bacterial reverse mutation assay (AMES)
Geno		Result: nega	
		Test Type: I Result: nega	n vitro mammalian cell gene mutation test ative
Genot	oxicity in vivo	: Test Type: N cytogenetic Species: Mo	



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_			
Magn	esium stearate:		
-		· Test Type: In )	vitro mammalian call gang mutation test
Geno	toxicity in vitro	Result: negativ	vitro mammalian cell gene mutation test
			ed on data from similar materials
		Method: OEC	romosome aberration test in vitro ) Test Guideline 473
		Result: negativ Remarks: Base	/e ed on data from similar materials
			cterial reverse mutation assay (AMES)
		Result: negativ Remarks: Base	ed on data from similar materials
Ertug	liflozin:		
Geno	toxicity in vitro	: Test Type: Bad Result: negativ	cterial reverse mutation assay (AMES) /e
		Test Type: Chi Result: negativ	romosome aberration test in vitro /e
Geno	toxicity in vivo	: Test Type: Ma cytogenetic as Species: Rat Result: negativ	
			-
	nogenicity		
	assified based on av	allable information.	
<u>Comp</u>	ponents:		
metfo	ormin hydrochloride	:	
Speci	es	: Mouse	
	sure time	: 91 weeks	
Dose		: 1500 mg/kg bo	ody weight
Resul	lt	: negative	
Speci	es	: Rat, male	
	cation Route	: Oral	
	sure time	: 104 weeks	
Dose		: 900 mg/kg boo	ly weight
Resul	It	: negative	
Speci		: Rat, female	
	cation Route	: Oral	
_	sure time	: 104 weeks	
		: 900 mg/kg boo	ly weight
LOAE			
LOAE Resul	lt	: negative	
LOAE Resul	lt et Organs	: negative : Uterus (includi	ng cervix) m or mode of action may not be relevant in h



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Cellu	llose:						
	cation Route sure time	: Rat : Ingestion : 72 weeks : negative					
Ertug	gliflozin:						
Spec Appli	ies cation Route sure time	: Mouse : Oral : 2 Years : negative					
	cation Route sure time	: Rat : Oral : 2 Years : negative					
Carci ment	nogenicity - Assess-	: Weight of ev cinogen	: Weight of evidence does not support classification as a car cinogen				
-	oductive toxicity						
	lassified based on avai <b>ponents:</b>	lable information.					
<u>Com</u> metfe		: Test Type: F Species: Rat Application F Fertility: NOA					
Com metfe Effec	ponents: ormin hydrochloride: ts on fertility ts on foetal develop-	<ul> <li>Test Type: F Species: Rat Application F Fertility: NOA Result: No et</li> <li>Test Type: D Species: Rat Application F Developmen</li> </ul>	Route: Oral AEL: 600 mg/kg body weight ffects on fertility revelopment				
Com metfe Effec	ponents: ormin hydrochloride: ts on fertility ts on foetal develop-	<ul> <li>Test Type: F Species: Rat Application F Fertility: NOA Result: No eff</li> <li>Test Type: D Species: Rat Application F Developmen Result: No tes</li> <li>Test Type: E Species: Rat Application F Embryo-foeta</li> </ul>	Route: Oral AEL: 600 mg/kg body weight ffects on fertility vevelopment Route: Oral tal Toxicity: NOAEL: 600 mg/kg body weight eratogenic effects mbryo-foetal development obit				



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	ffects	on foetal develop-	:	Test Type: Fertilit Species: Rat Application Route Result: negative	y/early embryonic development : Ingestion
Μ	lagne	sium stearate:			
E	ffects	on fertility	:	reproduction/deve Species: Rat Application Route Method: OECD T Result: negative	ined repeated dose toxicity study with the elopmental toxicity screening test : Ingestion est Guideline 422 on data from similar materials
	ffects nent	on foetal develop-	:	Species: Rat Application Route Result: negative	ro-foetal development : Ingestion on data from similar materials
Е	rtugli	flozin:			
	-	on fertility	:	Species: Rat Application Route Fertility: NOAEL: Remarks: Matern	y/early embryonic development :: Oral 250 mg/kg body weight al toxicity observed. rerse effects were reported
				Species: Rabbit Application Route Fertility: NOAEL:	y/early embryonic development : Oral 200 mg/kg body weight iificant adverse effects were reported
	ffects nent	on foetal develop-	:	Species: Rat Application Route Developmental Te	ro-foetal development : Oral oxicity: NOAEL: 50 mg/kg body weight e developmental effects were observed
				Species: Rabbit Application Route Developmental T	ro-foetal development :: Oral oxicity: NOAEL: 250 mg/kg body weight iificant adverse effects were reported

### STOT - single exposure

Not classified based on available information.



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sтот	- repeated exposur	e	
	assified based on ava		
<u>Comp</u>	oonents:		
Ertug	liflozin:		
-	sure routes	: Oral	
	et Organs	: Kidney, Stoma	ch, Prostate
Asses	ssment	: May cause dar exposure.	mage to organs through prolonged or repeat
Repe	ated dose toxicity		
<u>Comp</u>	oonents:		
	ormin hydrochloride	:	
Speci		: Rat	
NOAE		: 125 mg/kg	
	cation Route	: Oral	
Rema	sure time	: 1 year	adverse effects were reported
Reind	1172	. No significant a	adverse effects were reported
Speci		: Rabbit	
NOAE		: 100 mg/kg	
	cation Route	: Oral	
Rema	sure time	: 1 Year	adverse effects were reported
Remo		. No significant a	adverse effects were reported
Speci		: Dog	
NOAE		: 50 mg/kg	
	cation Route	: Subcutaneous	
Rema	sure time	: 2 year	adverse effects were reported
Reme		. No significant o	
Cellu			
Speci		: Rat	
NOAE		: >= 9,000 mg/k	g
	cation Route sure time	: Ingestion : 90 Days	
Magn	esium stearate:		
Speci		: Rat	
NOAE		: > 100 mg/kg	
	cation Route	: Ingestion	
	sure time	: 90 Days	for a statile static test
Rema	Irks	: Based on data	from similar materials
Ertug	liflozin:		
Speci		: Rat	
LÖAE		: 500 mg/kg	



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	cation Route	: Oral	
Expos	sure time	: 30 d	
Expos		: Rat : 250 mg/kg : Oral : 30 d : Kidney	
Expos		: Rat : 25 mg/kg : Oral : 180 d : Kidney, Bone,	Stomach
		: Rat : 25 mg/kg : 90 d : Kidney, Gastro	intestinal tract, Prostate
	EL cation Route sure time	: Dog : 150 mg/kg : Oral : 270 d : No significant a	adverse effects were reported
	EL cation Route sure time	: Mouse : 100 mg/kg : Oral : 90 d : No significant a	adverse effects were reported
Expos	EL cation Route sure time t Organs	: Mouse : 100 mg/kg : Oral : 28 d : Bone : No significant a	adverse effects were reported

Not classified based on available information.

### Experience with human exposure

#### **Components:**

### metformin hydrochloride:

Skin contact	:	Remarks: May irritate skin.
Eye contact	:	Remarks: May irritate eyes.
Ingestion	:	Symptoms: Diarrhoea, Nausea, Vomiting, Gastrointestinal
-		discomfort, flatulence, asthenia, Fatigue, Headache

### Ertugliflozin:



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Inges	tion	:	constipation, Di	most common side effects are:, Headache arrhoea, Nausea, urinary tract infection, mu respiratory tract infection
ction 12	2: Ecological information	on		
Ecoto	oxicity			
<u>Comp</u>	oonents:			
metfo	ormin hydrochloride:			
Toxici plants	ty to algae/aquatic	:	mg/l Exposure time:	irchneriella subcapitata (green algae)): > 10 72 h Test Guideline 201
			mg/l Exposure time:	kirchneriella subcapitata (green algae)): 100 72 h Test Guideline 201
Toxici icity)	ty to fish (Chronic tox-	:	Exposure time:	ales promelas (fathead minnow)): 10 mg/l 33 d Test Guideline 210
	ty to daphnia and other ic invertebrates (Chron- city)	:	Exposure time:	a magna (Water flea)): 40 mg/l 21 d Test Guideline 211
Toxici	ty to microorganisms	:		
Cellu	lose:			
Toxici	ity to fish	:	Exposure time:	atipes (Japanese medaka)): > 100 mg/l 48 h d on data from similar materials
Magn	esium stearate:			
-	ity to fish	:	Exposure time: Method: DIN 38	
	ty to daphnia and other ic invertebrates	:	Exposure time: Test substance Method: Directiv Remarks: Base	magna (Water flea)): > 1 mg/l 47 h : Water Accommodated Fraction ve 67/548/EEC, Annex V, C.2. d on data from similar materials e limit of solubility



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	Toxicity to algae/aquatic plants		mg/l Exposure time: 7 Test substance: Method: OECD 1	Water Accommodated Fraction Test Guideline 201 on data from similar materials
			mg/l Exposure time: 7 Test substance: Method: OECD 1	kirchneriella subcapitata (green algae)): > 1 2 h Water Accommodated Fraction Test Guideline 201 on data from similar materials
Toxic	sity to microorganisms	:	Exposure time: 1 Test substance:	onas putida): > 100 mg/l 6 h Water Accommodated Fraction on data from similar materials
-	<b>gliflozin:</b> sity to algae/aquatic s	:	Exposure time: 7	rchneriella subcapitata (green algae)): 77 mg 2 h <sup>-</sup> est Guideline 201
			mg/l Exposure time: 7	irchneriella subcapitata (green algae)): 50 2 h <sup>-</sup> est Guideline 201
Toxic icity)	sity to fish (Chronic tox-	:	Exposure time: 3 Method: OECD 1	les promelas (fathead minnow)): 1 mg/l 2 d <sup>-</sup> est Guideline 210 icity at the limit of solubility
	city to daphnia and other tic invertebrates (Chron- cicity)	:	Exposure time: 2 Method: OECD 1	magna (Water flea)): 2.14 mg/l 1 d <sup>-</sup> est Guideline 211 icity at the limit of solubility
Τοχία	city to microorganisms	:	EC50: > 1,000 m Exposure time: 3 Test Type: Resp Method: OECD 1	h
			NOEC: 1,000 mg Exposure time: 3 Test Type: Resp Method: OECD 1	h



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Persi	stence and degradal	bilitv		
	ponents:			
metfo	ormin hydrochloride:	1		
Biode	gradability	:	Result: rapidly Biodegradation Exposure time:	: 50 %
Cellu	lose:			
Biode	egradability	:	Result: Readily	biodegradable.
Magn	esium stearate:			
	egradability	:	Result: Not bio Remarks: Base	degradable ed on data from similar materials
Ertug	liflozin:			
Biode	gradability	:	Result: Not rea Biodegradation Exposure time:	
Bioad	ccumulative potentia	I		
Com	ponents:			
	ormin hydrochloride:			
	ion coefficient: n- ol/water	:	log Pow: -2	
Magn	nesium stearate:			
	ion coefficient: n- ol/water	:	log Pow: > 4	
Ertug	ıliflozin:			
	ion coefficient: n- ol/water	:	log Pow: 2.47	
Mobi	lity in soil			
<u>Com</u>	ponents:			
metfo	ormin hydrochloride:	:		
	bution among environ al compartments	- :	log Koc: 4.3 Method: OECD	Test Guideline 106
Frtuo	liflozin:			
Entrag				



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••	r adverse effects ata available					
	Section 13: Disposal considerations					
Disp	osal methods					
Wast	Waste from residues : Do not dispose of waste into sewer. Dispose of in accordance with local regulations.					
Conta	aminated packaging	: Empty contain dling site for r	<ul> <li>Empty containers should be taken to an approved waste han- dling site for recycling or disposal.</li> <li>If not otherwise specified: Dispose of as unused product.</li> </ul>			

#### Section 14: Transport information

International Regulations		
<b>UNRTDG</b> UN number Proper shipping name Class Subsidiary risk Packing group Labels	:	Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable
IATA-DGR UN/ID No. Proper shipping name Class Subsidiary risk Packing group Labels Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft)		Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable
IMDG-Code		

INIDG-COUE		
UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
EmS Code	:	Not applicable
Marine pollutant	:	Not applicable

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

Not applicable for product as supplied.

### **National Regulations**

NZS 5433 UN number

: Not applicable





/ersion .1	Revision Date: 30.09.2023	SDS Number: 590560-00018	Date of last issue: 04.04.2023 Date of first issue: 01.04.2016	
Clas Subs Pack Labe	sidiary risk king group	<ul> <li>Not applicable</li> </ul>		
Spec	ial precautions for u	ser		
Not applicable				

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. Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

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

AICS	:	not determined
DSL	:	not determined
IECSC	:	not determined

#### **Section 16: Other information**

Revision Date	:	30.09.2023		
Further information				
Sources of key data used to compile the Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/		
Date format	:	dd.mm.yyyy		
Full text of other abbreviations				
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)		
NZ OEL	:	New Zealand. Workplace Exposure Standards for Atmospher- ic Contaminants		
ACGIH / TWA NZ OEL / WES-TWA	:	8-hour, time-weighted average		
NZ UEL / WES-TWA	÷	Workplace Exposure Standard - Time Weighted average		



## **Ertugliflozin / Metformin Formulation**

Version	Revision Date:	SDS Number:	Date of last issue: 04.04.2023
4.1	30.09.2023	590560-00018	Date of first issue: 01.04.2016

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant: DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; 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.

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