

Version 5.1	Revision Date: 30.09.2023		S Number: 081-00023	Date of last issue: 04.04.2023 Date of first issue: 07.11.2014
SECTION	1. IDENTIFICATION			
Prod	uct name	:	Sitagliptin / Metf	ormin Extended Release Formulation
Manı Com	u facturer or supplier' pany	s deta :	ils MSD	
Addr	ess	:		, 6th floor, Ciudad Autonoma rgentina C1013AAP
Telep	phone	:	908-740-4000	
Emei	rgency telephone	:	1-908-423-6000	
E-ma	il address	:	EHSDATASTEV	VARD@msd.com
Reco	ommended use of the	e chem	ical and restricti	ons on use
	mmended use rictions on use	:	Pharmaceutical Not applicable	

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Acute toxicity (Oral)	:	Category 4
GHS label elements Hazard pictograms	:	
Signal Word	:	Warning
Hazard Statements	:	H302 Harmful if swallowed.
Precautionary Statements	:	Prevention: P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product.
		Response: P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
		Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.



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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	>= 50 -< 70
Cellulose	9004-34-6	>= 10 -< 20
Sitagliptin	654671-77-9	>= 5 -< 10
Kaolin	1332-58-7	>= 1 -< 5
Titanium dioxide	13463-67-7	>= 0,1 -< 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	:	Wash with water and soap. Get medical attention if symptoms occur.
In case of eye contact	:	If in eyes, rinse well with water. Get medical attention if irritation develops and persists.
If swallowed	:	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 and effects, both acute and delayed	:	Harmful if swallowed. Contact with dust can cause mechanical irritation or drying of the skin.
Protection of first-aiders	:	Dust contact with the eyes can lead to mechanical irritation. 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
Unsuitable extinguishing media	:	None known.
Specific hazards during fire	:	Avoid generating dust; fine dust dispersed in air in sufficient



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	fighting			potential dust exp	nd in the presence of an ignition source is a losion hazard. oustion products may be a hazard to health.
	Hazard ucts	ous combustion prod-	:	Carbon oxides Metal oxides Nitrogen oxides (I Silicon oxides	NOx)
	Specific ods	c extinguishing meth-	:	cumstances and t Use water spray t	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do
	Special for fire-	protective equipment fighters	:		e, wear self-contained breathing apparatus. ective equipment.
SEC	CTION 6	. ACCIDENTAL RELE	ASE	EMEASURES	
	tive equ	al precautions, protec- uipment and emer- procedures	:	Follow safe handl	ective equipment. ing advice (see section 7) and personal ent recommendations (see section 8).
	Enviror	nmental precautions	:	Retain and dispos	akage or spillage if safe to do so. se of contaminated wash water. should be advised if significant spillages
		ls and materials for ment and cleaning up	:	container for disper Avoid dispersal of with compressed Dust deposits sho surfaces, as these released into the Local or national i disposal of this m employed in the c determine which i Sections 13 and 1	dust in the air (i.e., clearing dust surfaces

SECTION 7. HANDLING AND STORAGE

Technical measures	:	Static electricity may accumulate and ignite suspended dust causing an explosion.
		Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
Local/Total ventilation	:	Use only with adequate ventilation.
Advice on safe handling	:	Do not breathe dust.
-		Do not swallow.



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	tions for safe storage	 Wash skin thoro Handle in accord practice, based of assessment Minimize dust get Keep container of Keep away from Take precaution Do not eat, drink Take care to pre environment. Keep in properly Store in accordation 	th eyes. or repeated contact with skin. ughly after handling. dance with good industrial hygiene and safety on the results of the workplace exposure eneration and accumulation. closed when not in use. heat and sources of ignition. ary measures against static discharges. or smoke when using this product. event spills, waste and minimize release to the relabeled containers. ince with the particular national regulations. in the following product types:
		Strong oxidizing	agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS-No	Value type	Control parame-	Basis
0/10/110.			Duoio
	`		
1115 70 4			Internal
			Internal
9004-34-6	CMP		AR OEL
	TWA	10 mg/m ³	ACGIH
654671-77-9	TWA	0.5 mg/m3 (OEB	Internal
		2)	
1332-58-7	CMP (Res-	2 mg/m ³	AR OEL
	pirable frac-		
	tion)		
Further information: A4 - Not classifiable as a human carci		n carcinogen	
	TWA	2 mg/m ³	ACGIH
	(Respirable		
	particulate		
	matter)		
13463-67-7	CMP	10 mg/m ³	AR OEL
Further inform	ation: A4 - Not c	lassifiable as a huma	n carcinogen
	TWA	2,5 mg/m ³	ACGIH
	(Respirable	(Titanium dioxide)	
		```'	
	•		
	1332-58-7 Further inform 13463-67-7	(Form of exposure)1115-70-4TWA9004-34-6CMPTWA654671-77-9TWA654671-77-9TWA1332-58-7CMP (Respirable fraction)Further information: A4 - Not cTWATWA(Respirable fraction)Further information: A4 - Not c13463-67-7CMPFurther information: A4 - Not c	(Form of exposure)ters / Permissible concentration1115-70-4TWA1 mg/m3 (OEB 1)9004-34-6CMP10 mg/m39004-34-6CMP10 mg/m3654671-77-9TWA0.5 mg/m3 (OEB 2)1332-58-7CMP (Res- 

#### Ingredients with workplace control parameters

This substance(s) is not bioavailable and therefore does not contribute to a dust inhalation hazard.

Titanium dioxide

**Engineering measures** 

: Use feasible engineering controls to minimize exposure to compound.

All engineering controls should be implemented by facility



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			perated in accordance with GMP principles to ucts, workers, and the environment.
Perse	onal protective equipr	nent	
Resp	iratory protection	exposure as	ocal exhaust ventilation is not available or sessment demonstrates exposures outside the ed guidelines, use respiratory protection.
	lter type protection	: Particulates	• • • • • •
	aterial	: Chemical-res	sistant gloves
Eye p	protection	If the work er mists or aero Wear a faces	glasses with side shields or goggles. hvironment or activity involves dusty conditions, sols, wear the appropriate goggles. shield or other full face protection if there is a direct contact to the face with dusts, mists, or
	and body protection ene measures	: If exposure to eye flushing working place When using Wash contar The effective engineering appropriate o industrial hyg	n or laboratory coat. b chemical is likely during typical use, provide systems and safety showers close to the e. do not eat, drink or smoke. ninated clothing before re-use. operation of a facility should include review of controls, proper personal protective equipment, degowning and decontamination procedures, giene monitoring, medical surveillance and the istrative controls.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Color	:	blue green
Odor	:	No data available
Odor Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	May form explosive dust-air mixture during processing, handling or other means.
Flammability (liquids)	:	No data available



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	oper explosion limit / Upper mmability limit	:	No data available	9
	wer explosion limit / Lower mmability limit	:	No data available	9
Va	por pressure	:	Not applicable	
Re	elative vapor density	:	Not applicable	
Re	lative density	:	No data available	9
De	ensity	:	No data available	9
So	lubility(ies) Water solubility	:	No data available	9
	rtition coefficient: n- tanol/water	:	Not applicable	
	toignition temperature	:	No data available	9
De	composition temperature	:	No data available	9
Vis	scosity Viscosity, kinematic	:	Not applicable	
Ex	plosive properties	:	Not explosive	
Ox	idizing properties	:	The substance o	r mixture is not classified as oxidizing.
Мо	blecular weight	:	No data available	9
Pa	rticle size	:	No data available	9

#### 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, handling or other means. Can react with strong oxidizing agents.
Conditions to avoid		Heat, flames and sparks. Avoid dust formation.
Incompatible materials Hazardous decomposition products		Oxidizing agents No hazardous decomposition products are known.

#### SECTION 11. TOXICOLOGICAL INFORMATION



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Informa exposu	tion on likely routes of re	:	Inhalation Skin contact Ingestion Eye contact		
<b>Acute t</b> Harmfu	<b>oxicity</b> I if swallowed.				
<u>Produc</u> Acute c	<del>:t:</del> vral toxicity	:	Acute toxicity estir Method: Calculation		
Compo	onents:				
	min hydrochloride: oral toxicity	:	LD50 (Rat): 1.000		
			LD50 (Mouse): 1.4		
			LD50 (Monkey): 4		
			LD50 (Rabbit): 35		
			LD50 (Guinea pig)	): 500 mg/kg	
<b>Cellulo</b> Acute c	<b>se:</b> oral toxicity	:	LD50 (Rat): > 5.00	00 mg/kg	
Acute ir	nhalation toxicity	:	LC50 (Rat): > 5,8 Exposure time: 4 h Test atmosphere:	า	
Acute d	lermal toxicity	:	LD50 (Rabbit): > 2	2.000 mg/kg	
Sitaglip	otin:				
Acute o	ral toxicity	:	LD50 (Rat): > 3.00	00 mg/kg	
			LD50 (Mouse): 3.0	000 mg/kg	
Kaolin:					
Acute c	oral toxicity	:	LD50 (Rat): > 5.00 Remarks: Based o	00 mg/kg on data from similar materials	
Acute ir	nhalation toxicity	:	tion toxicity	n	
Acute d	lermal toxicity	:	LD50 (Rat): > 5.00	00 mg/kg	



rsion	Revision Date: 30.09.2023	SDS Nu 29081-0		Date of last issue: 04.04.2023 Date of first issue: 07.11.2014
		toxic	ity	e substance or mixture has no acute derma on data from similar materials
Titani	um dioxide:			
	oral toxicity	: LD50	0 (Rat): > 5.0	00 mg/kg
Acute	inhalation toxicity	Expo Test Asse	0 (Rat): > 6,8 osure time: 4 atmosphere essment: The coxicity	h
Skin (	corrosion/irritation			
Not cl	assified based on ava	ailable inforn	nation.	
Comp	oonents:			
	ormin hydrochloride		_	
Speci Resul		: Rabl	oit skin irritatior	
Resul	L .	. Wind	Skin interior	
Sitag				
Speci		: Rabl		
Metho Resul			ze Test kin irritation	
Kaoli				
Speci		: Rabl		-line 404
Metho Resul			D Test Guid kin irritation	eline 404
Rema				om similar materials
	um dioxide:			
Speci Resul		: Rabl : No s	kin irritation	
rtoou				
	us eye damage/eye			
	assified based on ava	ilable inforn	nation.	
Comp	oonents:			
	ormin hydrochloride			
Speci		: Rabl		
Resul	ι	: IVIIIO	eye irritation	
Sitag	liptin:			
Speci		: Rabl	oit	
Resul	t	: Irrita	ting to eyes.	
			8 / 19	



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Metho	d	: Draize Test	
<b>Kaolin</b> Specie Result Remai	es t	: Rabbit : No eye irritatic : Based on data	n from similar materials
Titani	um dioxide:		
Specie Result		: Rabbit : No eye irritatic	n
Respi	ratory or skin sensi	tization	
••••••	sensitization		
	assified based on ava		
-	assified based on ava		
<u>Comp</u>	onents:		
Sitagli Test T Specie Metho Result	ype es d	: Local lymph n : Mouse : OECD Test G : Not a skin sen	
Titani	um dioxide:		
Test T	ype s of exposure es	: Local lymph no : Skin contact : Mouse : negative	ode assay (LLNA)
Germ	cell mutagenicity		
	assified based on ava	ailable information.	
	onents:		
	rmin hydrochloride oxicity in vitro		cterial reverse mutation assay (AMES) ve
		Test Type: in v Test system: r Result: negativ	nouse lymphoma cells
			romosomal aberration Iuman lymphocytes /e
Genot	oxicity in vivo	: Test Type: Mid	cronucleus test



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		Species: M Application Result: neg	Route: Oral
Cellu	lose:		
Geno	toxicity in vitro	: Test Type: Result: neg	Bacterial reverse mutation assay (AMES) pative
		Test Type: Result: neg	In vitro mammalian cell gene mutation test gative
Geno	toxicity in vivo	cytogenetic Species: M	ouse Route: Ingestion
Sitag	liptin:		
-	toxicity in vitro	: Test Type: Result: neg	
			Chromosome aberration test in vitro n: Chinese hamster ovary cells jative
		thesis in m	DNA damage and repair, unscheduled DNA syn- ammalian cells (in vitro) n: rat hepatocytes gative
Geno	toxicity in vivo	Species: M	Route: Oral
Titani	ium dioxide:		
Geno	toxicity in vitro	: Test Type: Result: neg	Bacterial reverse mutation assay (AMES) pative
Geno	toxicity in vivo	: Test Type: Species: M Result: neg	
	<b>nogenicity</b> assified based on av	ailable information.	
<u>Comp</u>	oonents:		
metfo	ormin hydrochloride	:	
Speci Expos	es sure time	: Mouse : 91 weeks	



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Dose Result	:	: 1500 mg/kg bo : negative	ody weight
	ation Route ure time	: Rat, male : Oral : 104 weeks : 900 mg/kg boo : negative	ly weight
Expos LOAE Result	ation Route ure time L c Organs	<ul> <li>Rat, female</li> <li>Oral</li> <li>104 weeks</li> <li>900 mg/kg boo</li> <li>negative</li> <li>Uterus (includi</li> <li>The mechanise mans.</li> </ul>	
	es ation Route ure time	: Rat : Ingestion : 72 weeks : negative	
Expos Result Specie Applic Expos Result Target Rema	es ation Route ure time es ation Route ure time t Organs	-	vater) city observed in testing ence does not support classification as a car-
Specie Applic	ation Route ure time d	mans. This substance	



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Carci ment	inogenicity - Assess-	:	Limited evidence animals.	of carcinogenicity in inhalation studies with
-	oductive toxicity classified based on availa	able	information.	
<u>Com</u>	ponents:			
metfo	ormin hydrochloride:			
Effec	ts on fertility	:	Test Type: Fertilit Species: Rat Application Route Fertility: NOAEL: Result: No effects	e: Oral 600 mg/kg body weight
Effec	ts on fetal development	:	Test Type: Develor Species: Rat Application Route Developmental To Result: No terato	e: Oral oxicity: NOAEL: 600 mg/kg body weight
			Species: Rabbit Application Route	city.: NOAEL: 140 mg/kg body weight
Cellu	llose:			
Effec	ts on fertility	:	Test Type: One-g Species: Rat Application Route Result: negative	eneration reproduction toxicity study
Effec	ts on fetal development	:	Test Type: Fertilit Species: Rat Application Route Result: negative	y/early embryonic development e: Ingestion
Sitac	liptin:			
-	ts on fertility	:	Species: Rat Application Route Fertility: NOAEL	y/early embryonic development e: Oral Parent: 1.000 mg/kg body weight sting did not show any effects on fertility.
Effec	ts on fetal development	:	Species: Rat Application Route Teratogenicity: LO Result: Embryoto	vo-fetal development e: Oral DAEL: 250 mg/kg body weight xic effects and adverse effects on the tected., No teratogenic effects.



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Test Type: Embryo-fetal development Species: Rabbit Teratogenicity: NOAEL: 125 mg/kg body weight Result: No teratogenic effects.

#### STOT-single exposure

Not classified based on available information.

#### STOT-repeated exposure

Not classified based on available information.

#### Repeated dose toxicity

#### Components:

#### metformin hydrochloride:

Species NOAEL Application Route Exposure time Remarks Species NOAEL Application Route Exposure time Remarks	<ul> <li>Rat</li> <li>125 mg/kg</li> <li>Oral</li> <li>1 year</li> <li>No significant adverse effects were reported</li> <li>Rabbit</li> <li>100 mg/kg</li> <li>Oral</li> <li>1 Year</li> <li>No significant adverse effects were reported</li> </ul>
Species NOAEL Application Route Exposure time Remarks	<ul> <li>Dog</li> <li>50 mg/kg</li> <li>Subcutaneous</li> <li>2 year</li> <li>No significant adverse effects were reported</li> </ul>
<b>Cellulose:</b> Species NOAEL Application Route Exposure time	<ul> <li>Rat</li> <li>&gt;= 9.000 mg/kg</li> <li>Ingestion</li> <li>90 Days</li> </ul>
Sitagliptin: Species NOAEL LOAEL Application Route Exposure time Target Organs	<ul> <li>Mouse</li> <li>500 mg/kg</li> <li>1.000 mg/kg</li> <li>Oral</li> <li>&gt; 2 y</li> <li>Kidney</li> </ul>
Species NOAEL LOAEL Application Route	: Rat : 500 mg/kg : 1.000 mg/kg : Oral



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	osure time jet Organs	: 14 Weeks : Liver, Kidney, Heart, Teeth
Expo Targ Sym	\EL	<ul> <li>Dog</li> <li>10 mg/kg</li> <li>50 mg/kg</li> <li>Oral</li> <li>53 Weeks</li> <li>Central nervous system</li> <li>Loss of balance</li> <li>The mechanism or mode of action may not be relevant in humans.</li> </ul>
Expo Targ Sym	\EL	<ul> <li>Dog</li> <li>2 mg/kg</li> <li>10 mg/kg</li> <li>Oral</li> <li>27 Weeks</li> <li>Skeletal muscle, Central nervous system</li> <li>Loss of balance</li> <li>The mechanism or mode of action may not be relevant in humans.</li> </ul>
Expo		<ul> <li>Monkey</li> <li>100 mg/kg</li> <li>Oral</li> <li>14 Weeks</li> <li>No significant adverse effects were reported</li> </ul>
Spe NOA Appl		: Rat : 24.000 mg/kg : Ingestion : 28 Days
		: Rat : 10 mg/m ³ : inhalation (dust/mist/fume) : 2 y
-	iration toxicity classified based on av	ailable information.
Exp	erience with human e	exposure
Con	<u>nponents:</u>	
	formin hydrochloride	:
Skin Eye	contact contact stion	<ul> <li>Remarks: May irritate skin.</li> <li>Remarks: May irritate eyes.</li> <li>Symptoms: Diarrhea, Nausea, Vomiting, Gastrointestinal discomfort, flatulance, asthenia, Eatique, Headache.</li> </ul>

comfort, flatulence, asthenia, Fatigue, Headache



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ç	Sitaglip	otin:			
	Inhalation		:		respiratory tract infection, pharyngitis,
I	ngestic	n	:		respiratory tract infection, nasopharyngitis, ea, Abdominal pain, Diarrhea
SECI	FION 12	2. ECOLOGICAL INFO	DRN	IATION	
E	Ecotox	icity			
<u>(</u>	Compo	onents:			
r	metfori	min hydrochloride:			
٦		to algae/aquatic	:	EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD Te	
				NOEC (Pseudokir mg/l Exposure time: 72 Method: OECD Te	
	Toxicity city)	to fish (Chronic tox-	:	NOEC (Pimephale Exposure time: 33 Method: OECD Te	
6		to daphnia and other invertebrates (Chron- ty)	:	NOEC (Daphnia r Exposure time: 21 Method: OECD Te	
٦	Toxicity	to microorganisms	:	EC50: > 1.000 mg Exposure time: 3 Test Type: Respir Method: OECD Te	h ration inhibition
(	Cellulo	se:			
		to fish	:	Exposure time: 48	ipes (Japanese medaka)): > 100 mg/l 3 h on data from similar materials
5	Sitaglip	otin:			
		to fish	:	LC50 (Pimephales Exposure time: 96 Method: OECD To	
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
	Toxicity plants	to algae/aquatic	:	EC50 (Pseudokiro mg/l	chneriella subcapitata (green algae)): > 39



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			Exposure time: 96 Method: OECD Te	
			NOEC (Pseudokin mg/l Exposure time: 96 Method: OECD To	
Toxicit icity)	y to fish (Chronic tox-	:		es promelas (fathead minnow)): 9,2 mg/l 3 d
	y to daphnia and other c invertebrates (Chron- city)	:	NOEC (Daphnia r Exposure time: 21 Method: OECD Te	
Toxicity to microorganisms		:	EC50: > 150 mg/l Exposure time: 3 Test Type: Respir Method: OECD Te	h ration inhibition
			NOEC: 150 mg/l Exposure time: 3 Test Type: Respir	
Kaolin	):			
	y to fish (Chronic tox-	:	NOELR (Oncorhy Exposure time: 30	nchus mykiss (rainbow trout)): > 100 mg/l 0 d
Titani	um dioxide:			
Toxicit	y to fish	:	LC50 (Oncorhync Exposure time: 96 Method: OECD Te	
	y to daphnia and other cinvertebrates	:	EC50 (Daphnia m Exposure time: 48	nagna (Water flea)): > 100 mg/l 3 h
Toxicit plants	y to algae/aquatic	:	EC50 (Skeletoner Exposure time: 72	ma costatum (marine diatom)): > 10.000 mg 2 h
Toxicit	y to microorganisms	:	EC50: > 1.000 mg Exposure time: 3 Method: OECD Te	ĥ
Persis	stence and degradabili	ity		
<u>Comp</u>	onents:			
metfo	rmin hydrochloride:			
Biodeg	gradability	:	Result: rapidly de Biodegradation: 4 Exposure time: 2	50 %



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Cel	lulose:			
Biod	degradability	:	Result: Readily b	iodegradable.
Sita	igliptin:			
	degradability	:	Result: not rapidly	v degradable
			Biodegradation:	39,7 %
			Exposure time: 28 Method: OECD T	est Guideline 314
Stal	oility in water	:	Hydrolysis: 50 %	(401 d)
U.a.		•		est Guideline 111
Bio	accumulative potential			
	nponents:			
	formin hydrochloride: tition coefficient: n-	:	log Pow: -2	
	anol/water	•	10g 1 0w2	
Sita	gliptin:			
	tition coefficient: n- anol/water	:	log Pow: -0,03	
Mol	oility in soil			
<u>Cor</u>	nponents:			
met	formin hydrochloride:			
	ribution among environ-	:	log Koc: 4,3	
mer	ntal compartments		Method: OECD 1	est Guideline 106
Sita	gliptin:			
	ribution among environ- ntal compartments	:	log Koc: 4,37	
Oth	er adverse effects			
No	data available			

#### SECTION 13. DISPOSAL CONSIDERATIONS

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. If not otherwise specified: Dispose of as unused product.



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#### **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

Argentina. Carcinogenic Substances and Agents Registry.	:	Not applicable
Control of precursors and essential chemicals for the preparation of drugs.	:	Not applicable

#### The ingredients 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
Date format	:	dd.mm.yyyy

#### Further information

Sources of key data used to	:	Internal technical data, data from raw material SDSs, OECD
compile the Material Safety		eChem Portal search results and European Chemicals Agen-
Data Sheet		cy, http://echa.europa.eu/

#### Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
AR OEL	:	Argentina. Occupational Exposure Limits



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ACGIH / TWA	:	8-hour, time-weighted average
AR OEL / CMP	:	TLV (Threshold Limit Value)

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

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