

Version	Revision Date:	SDS Number:	Date of last issue: 04.04.2023
4.1	30.09.2023	29109-00023	Date of first issue: 07.11.2014

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Sitagliptin / Metformin Extended Release Formulation				
Manufacturer or supplier's details						
Company name of supplier	:	MSD				
Address	:	Avenida 16 de Septiembre No. 301				
		Xaltocan - Xochimilco Mexico 16090				
Telephone	:	+52 55 57284444				
Emergency telephone	:	1-908-423-6000				
E-mail address	:	EHSDATASTEWARD@msd.com				
Recommended use of the chemical and restrictions on use						
Recommended use	:	Pharmaceutical				
Restrictions on use	:	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 or doctor/ physician if you feel unwell. Rinse mouth.
		Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.
Other hazards		

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



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Subst	tance / Mixture	: Mixture		
Com	ponents			
Cherr	nical name		CAS-No.	Concentration (% w/w)
metfo	rmin hydrochloride		1115-70-4	>= 50 -< 70
Cellul	ose		9004-34-6	>= 10 -< 20
Sitagl	iptin		654671-77-9	>= 5 -< 10
Kaolir	า		1332-58-7	>= 1 -< 5
Titani	um dioxide		13463-67-7	>= 0.1 -< 1
		advice imme When symp advice.		cases of doubt seek medical
		advice.		
It inha	aled	: If inhaled, re	move to fresh air.	
lf inha	aled	,	move to fresh air. attention if symptom	IS OCCUI.
	aled se of skin contact	Get medical : Wash with v	move to fresh air. attention if symptom vater and soap. attention if symptom	
In cas	se of skin contact	Get medical Wash with v Get medical If in eyes, rii Get medical	attention if symptom vater and soap. attention if symptom nse well with water. attention if irritation	is occur. develops and persists.
In cas	se of skin contact	Get medical Wash with v Get medical If in eyes, rin Get medical If swallowed so by medic Get medical Rinse mouth Never give a	attention if symptom vater and soap. attention if symptom nee well with water. attention if irritation I, DO NOT induce vo al personnel. attention. h thoroughly with wat anything by mouth to	is occur. develops and persists. miting unless directed to do
In cas In cas If swa Most	se of skin contact se of eye contact allowed important symptoms	Get medical Wash with v Get medical If in eyes, rin Get medical If swallowed so by medic Get medical Rinse mouth	attention if symptom vater and soap. attention if symptom nee well with water. attention if irritation I, DO NOT induce vo al personnel. attention. h thoroughly with wat anything by mouth to	is occur. develops and persists. miting unless directed to do er.
In cas In cas If swa Most	se of skin contact se of eye contact allowed important symptoms ffects, both acute and	Get medical Wash with v Get medical If in eyes, rin Get medical If swallowed so by medic Get medical Rinse mouth Never give a Harmful if sy Contact with the skin.	attention if symptom vater and soap. attention if symptom use well with water. attention if irritation by DO NOT induce vo al personnel. attention. thoroughly with wat anything by mouth to vallowed. dust can cause med	as occur. develops and persists. miting unless directed to do er. an unconscious person. chanical irritation or drying of
In cas In cas If swa Most and e delay	se of skin contact se of eye contact allowed important symptoms ffects, both acute and	Get medical Wash with v Get medical If in eyes, rin Get medical If swallowed so by medica Get medical Rinse mouth Never give a Harmful if sy Contact with the skin. Dust contact First Aid res and use the	attention if symptom vater and soap. attention if symptom rese well with water. attention if irritation by DO NOT induce vo al personnel. attention. thoroughly with wat anything by mouth to vallowed. dust can cause med t with the eyes can le ponders should pay recommended perso	as occur. develops and persists. miting unless directed to do er. an unconscious person.

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 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.
Hazardous combustion prod- ucts	:	Carbon oxides Metal oxides Nitrogen oxides (NOx)



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			Silicon oxides	
Spec ods	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 o so.	
	al protective equipment e-fighters	:		e, wear self-contained breathing apparatus. tective equipment.
SECTION	6. ACCIDENTAL RELE	AS	EMEASURES	
tive e	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).	
Envir	onmental precautions	:	he environment. akage or spillage if safe to do so. se of contaminated wash water. should be advised if significant spillages red.	
	ods and materials for inment and cleaning up	:	container for disp Avoid dispersal of with compressed Dust deposits sho surfaces, as these released into the Local or national disposal of this m employed in the of determine which the Sections 13 and	f dust in the air (i.e., clearing dust surfaces

Local/Total ventilation:Use only with adequate ventilation.Advice on safe handling:Do not breathe dust.Do not swallow.Avoid contact with eyes.Avoid prolonged or repeated contact with skin.	Technical measures	causing an explo Provide adequat	may accumulate and ignite suspended dust osion. e precautions, such as electrical grounding inert atmospheres.
Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Minimize dust generation and accumulation.		Do not breathe d Do not swallow. Avoid contact with Avoid prolonged Wash skin thorou Handle in accord practice, based of assessment	lust. th eyes. or repeated contact with skin. ughly after handling. dance with good industrial hygiene and safety on the results of the workplace exposure



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Hy	giene measures	Keep away f Take precau Do not eat, o Take care to environment If exposure to flushing syst place. When using Wash contau The effective engineering appropriate industrial hyst	her closed when not in use. From heat and sources of ignition. Itionary measures against static discharges. drink or smoke when using this product. To prevent spills, waste and minimize release to the c. to chemical is likely during typical use, provide eye tems and safety showers close to the working do not eat, drink or smoke. minated clothing before re-use. To operation of a facility should include review of controls, proper personal protective equipment, degowning and decontamination procedures, giene monitoring, medical surveillance and the histrative controls.
Conditions for safe storage Materials to avoid			perly labeled containers. Ordance with the particular national regulations.
			with the following product types:

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

-				
Components	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	
		exposure)	concentration	
metformin hydrochloride	1115-70-4	TWA	1 mg/m3 (OEB 1)	Internal
Cellulose	9004-34-6	VLE-PPT	10 mg/m ³	NOM-010-
				STPS-2014
		TWA	10 mg/m ³	ACGIH
Sitagliptin	654671-77-9	TWA	0.5 mg/m3 (OEB	Internal
			2)	
Kaolin	1332-58-7	VLE-PPT	2 mg/m ³	NOM-010-
		(Respirable		STPS-2014
		fraction)		
		TWA	2 mg/m ³	ACGIH
		(Respirable		
		particulate		
		matter)		
Titanium dioxide	13463-67-7	VLE-PPT	10 mg/m ³	NOM-010-
				STPS-2014
		TWA	2.5 mg/m ³	ACGIH
		(Respirable	(Titanium dioxide)	
		particulate	, , , , , , , , , , , , , , , , , , , ,	
		matter)		

Ingredients with workplace control parameters

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

Titanium dioxide



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Engineering measures		Use feasible engineering controls to minimize exposure to compound. All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment.		
Perse	onal protective equipn	nt		
Respiratory protection		If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.		
	Iter type protection	Particulates type		
Ma	aterial	Chemical-resistant gloves		
Eye p	protection	: Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditi mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is potential for direct contact to the face with dusts, mists, aerosols.		
Skina	and body protection	: Work uniform or laboratory coat.		

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
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available



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	Vapor	pressure	:	Not applicable	
	Relative vapor density		:	Not applicable	
	Relativ	e density	:	No data available	e
	Density	/	:	No data available	e
	Solubil Wat	ity(ies) ter solubility	:	No data available	e
	Partition coefficient: n- octanol/water		:	Not applicable	
	Autoignition temperature		:	No data available	e
	Decomposition temperature		:	No data available	e
	Viscosi Visc	ity cosity, kinematic	:	Not applicable	
	Explos	ive properties	:	Not explosive	
		ng properties Ilar weight	:	The substance o	r mixture is not classified as oxidizing.
	Particle	Ū	:	No data available	

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

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Skin contact Ingestion Eye contact



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	Harmfu <u>Produ</u>	toxicity ul if swallowed. <u>ct:</u> oral toxicity	:	Acute toxicity esti Method: Calculati	imate: 1,588 mg/kg ion method
	<u>Comp</u>	onents:			
	metfo	rmin hydrochloride:			
		oral toxicity	:	LD50 (Rat): 1,000) mg/kg
				LD50 (Mouse): 1,	450 - 3,500 mg/kg
				LD50 (Monkey): 4	463 mg/kg
				LD50 (Rabbit): 35	50 mg/kg
				LD50 (Guinea pig	ı): 500 mg/kg
	Cellul	ose:			
		oral toxicity	:	LD50 (Rat): > 5,0	00 mg/kg
	Acute	inhalation toxicity	:	LC50 (Rat): > 5.8 Exposure time: 4 Test atmosphere:	h
	Acute	dermal toxicity	:	LD50 (Rabbit): >	2,000 mg/kg
	Sitagli	iptin:			
	-	oral toxicity	:	LD50 (Rat): > 3,0	00 mg/kg
				LD50 (Mouse): 3,	000 mg/kg
	Kaolin	1:			
		oral toxicity	:	LD50 (Rat): > 5,0 Remarks: Based	00 mg/kg on data from similar materials
	Acute	inhalation toxicity	:	tion toxicity	h
	Acute	dermal toxicity	:	toxicity	00 mg/kg substance or mixture has no acute dermal on data from similar materials



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	Titani	um dioxide:			
	Acute	oral toxicity	:	LD50 (Rat): > 5,0	00 mg/kg
	Acute	inhalation toxicity	:	LC50 (Rat): > 6.8 Exposure time: 4 Test atmosphere: Assessment: The tion toxicity	h
	Skin c	orrosion/irritation			
	Not cla	assified based on availa	able	information.	
	<u>Comp</u>	onents:			
	metfo	rmin hydrochloride:			
	Specie Result		:	Rabbit Mild skin irritation	
	Sitagli	iptin:			
	Specie		:	Rabbit	
	Metho Result		:	Draize Test No skin irritation	
	Result		•		
	Kaolin	:			
	Specie		:	Rabbit	
	Metho Result		:	OECD Test Guide No skin irritation	eine 404
	Remai		:		om similar materials
	Titani	um dioxide:			
	Specie	es	:	Rabbit	
	Result		:	No skin irritation	
	Seriou	ıs eye damage/eye irr	itati	on	
		assified based on availa			
	<u>Comp</u>	onents:			
	metfo	rmin hydrochloride:			
	Specie		:	Rabbit	
	Result		:	Mild eye irritation	
	Sitagli	ptin:			
	Specie		:	Rabbit	
	Result Metho		:	Irritating to eyes. Draize Test	
	Metho	<u>~</u>	•		
	Kaolin	:			
	Specie	es	:	Rabbit	



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	esult emarks	No eye irritationBased on data from similar materials					
Sp	tanium dioxide: Decies esult	: Rabbit : No eye irritation					
R	espiratory or skin sensiti	tion					
-	kin sensitization ot classified based on avail	ble information.					
	espiratory sensitization ot classified based on avail	ble information.					
<u>C</u> (omponents:						
Te Sp M	tagliptin: est Type becies ethod esult	 Local lymph node assay (LLNA) Mouse OECD Test Guideline 429 Not a skin sensitizer. 					
Ti	tanium dioxide:						
R¢ Sp	est Type outes of exposure oecies esult	 Local lymph node assay (LLNA) Skin contact Mouse negative 					
	erm cell mutagenicity ot classified based on avail	ble information.					
	omponents:						
	etformin hydrochloride: enotoxicity in vitro	: Test Type: Bacterial reverse mutati Result: negative	on assay (AMES)				
		Test Type: in vitro test Test system: mouse lymphoma cell Result: negative	S				
		Test Type: Chromosomal aberration Test system: Human lymphocytes Result: negative	า				
G	enotoxicity in vivo	: Test Type: Micronucleus test Species: Mouse Application Route: Oral Result: negative					



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Cellu	lose:				
Geno	toxicity in vitro	: Test Type: Result: neg	Bacterial reverse mutation assay (AMES) ative		
		Test Type: Result: neg	In vitro mammalian cell gene mutation test ative		
Genotoxicity in vivo		cytogenetic Species: Mo Application	Test Type: Mammalian erythrocyte micronucleus test (in viv cytogenetic assay) Species: Mouse Application Route: Ingestion Result: negative		
Sitag	liptin:				
Geno	toxicity in vitro	: Test Type: Result: neg			
			Chromosome aberration test in vitro n: Chinese hamster ovary cells ative		
		thesis in ma	DNA damage and repair, unscheduled DNA syn- ammalian cells (in vitro) n: rat hepatocytes ative		
Geno	toxicity in vivo	: Test Type: Species: Mo Application Result: neg	Route: Oral		
Titani	ium dioxide:				
Geno	toxicity in vitro	: Test Type: Result: neg	Bacterial reverse mutation assay (AMES) ative		
Geno	toxicity in vivo	: Test Type: Species: Mo Result: neg			
	nogenicity				
	assified based on av ponents:	allable information.			
Speci	ormin hydrochloride es	: Mouse			
	sure time	: 91 weeks			
Dose			body weight		
Resul	t	: negative			
Speci	es	: Rat, male			



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		 Oral 104 weeks 900 mg/kg body weight negative
Spec Appl Expo LOA Resu	cies ication Route osure time EL ult et Organs	 Rat, female Oral 104 weeks 900 mg/kg body weight negative Uterus (including cervix) The mechanism or mode of action may not be relevant in humans.
Spec Appl	ication Route	 Rat Ingestion 72 weeks negative
Spec Appl	ication Route osure time	: Mouse : Oral : 2 Years : negative
Expo Resu	ication Route osure time ult et Organs	 Rat oral (drinking water) 2 Years positive Liver Significant toxicity observed in testing
Carc ment	inogenicity - Assess- t	: Weight of evidence does not support classification as a car- cinogen
Spec Appl	ication Route osure time nod ult	 Rat inhalation (dust/mist/fume) 2 Years OECD Test Guideline 453 positive The mechanism or mode of action may not be relevant in humans. This substance(s) is not bioavailable and therefore does not contribute to a dust inhalation hazard.
Carc ment	inogenicity - Assess- t	: Limited evidence of carcinogenicity in inhalation studies with animals.



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	Not cla	ductive toxicity Issified based on availa	ble	information.	
	Comp	onents:			
		min hydrochloride:	:	Test Type: Fertilit Species: Rat Application Route Fertility: NOAEL: Result: No effects	: Oral 600 mg/kg body weight
	Effects	on fetal development	:	Result: No teratog Test Type: Embry Species: Rabbit Application Route	: Oral oxicity: NOAEL: 600 mg/kg body weight genic effects. ro-fetal development :: Oral city.: NOAEL: 140 mg/kg body weight
	Celluic Effects	ose: on fertility	:	Test Type: One-g Species: Rat Application Route Result: negative	eneration reproduction toxicity study : Ingestion
	Effects	on fetal development	:	Test Type: Fertilit Species: Rat Application Route Result: negative	y/early embryonic development : Ingestion
	Sitagli	ntin:			
	-	on fertility	:	Species: Rat Application Route Fertility: NOAEL F	y/early embryonic development : Oral Parent: 1,000 mg/kg body weight sting did not show any effects on fertility.
	Effects	on fetal development	:	Species: Rat Application Route Teratogenicity: LC Result: Embryoto offspring were det Test Type: Embry Species: Rabbit	vo-fetal development : Oral DAEL: 250 mg/kg body weight xic effects and adverse effects on the tected., No teratogenic effects. vo-fetal development DAEL: 125 mg/kg body weight



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		Result: No tera	atogenic effects.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Repeated dose toxicity

Components:

Target Organs

metformin hydrochloride:		
Species NOAEL Application Route	:	Rat 125 mg/kg Oral
Exposure time Remarks	:	1 year No significant adverse effects were reported
Species NOAEL	:	Rabbit 100 mg/kg
Application Route Exposure time	:	Oral 1 Year
Remarks	:	No significant adverse effects were reported
Species	:	Dog
NOAEL Application Route	÷	50 mg/kg Subcutaneous
Exposure time	÷	2 year
Remarks	:	No significant adverse effects were reported
Cellulose:		
Species NOAEL	÷	Rat >= 9,000 mg/kg
Application Route	÷	Ingestion
Exposure time	:	90 Days
Sitagliptin:		
Species NOAEL	÷	Mouse 500 mg/kg
LOAEL	÷	1,000 mg/kg
Application Route	:	Oral
Exposure time Target Organs	:	> 2 y Kidney
Species	:	Rat
NOAEL LOAEL	÷	500 mg/kg 1,000 mg/kg
Application Route	:	Oral
Exposure time	:	14 Weeks

: Liver, Kidney, Heart, Teeth



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Expos	L L ation Route ure time t Organs coms	 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 humans.
Expos	L L ation Route ure time t Organs coms	 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 humans.
	L ation Route ure time	 Monkey 100 mg/kg Oral 14 Weeks No significant adverse effects were reported
Specie NOAE Applic Expos Specie NOAE Applic	L ation Route ure time es	 Rat 24,000 mg/kg Ingestion 28 Days Rat 10 mg/m³ inhalation (dust/mist/fume) 2 y
Aspira Not cla Exper	ation toxicity assified based on ava ience with human ex	ilable information.
	onents:	
metfo Skin c Eye co Ingest	ontact	 Remarks: May irritate skin. Remarks: May irritate eyes. Symptoms: Diarrhea, Nausea, Vomiting, Gastrointestinal discomfort, flatulence, asthenia, Fatigue, Headache
Sitagl Inhala	-	: Symptoms: upper respiratory tract infection, pharyngitis, Headache



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Ingestion		: Symptoms: upper respiratory tract infection, nasopharyngitis, Headache, Nausea, Abdominal pain, Diarrhea							
ECTION	ECTION 12. ECOLOGICAL INFORMATION								
Ecoto	oxicity								
Comp	oonents:								
	ormin hydrochloride: ity to algae/aquatic	:	mg/l Exposure time:	irchneriella subcapitata (green algae)): > 100 72 h Test Guideline 201					
			mg/l Exposure time: 1	kirchneriella subcapitata (green algae)): 100 72 h Test Guideline 201					
Toxici icity)	ity to fish (Chronic tox-	:	Exposure time: 3	ales promelas (fathead minnow)): 10 mg/l 33 d Test Guideline 210					
	ity to daphnia and other ic invertebrates (Chron- city)		Exposure time: 2	i magna (Water flea)): 40 mg/l 21 d Test Guideline 211					
Toxici	ity to microorganisms	:							
Cellu	lose:								
Toxici	ity to fish	:	Exposure time: 4	atipes (Japanese medaka)): > 100 mg/l 48 h 1 on data from similar materials					
Sitag	liptin:								
Toxici	ity to fish	:	Exposure time: 9	es promelas (fathead minnow)): > 100 mg/l 96 h Test Guideline 203					
	ity to daphnia and other ic invertebrates	:	Exposure time:	magna (Water flea)): 60 mg/l 48 h Test Guideline 202					
Toxici plants	ity to algae/aquatic	:	mg/l Exposure time: 9	irchneriella subcapitata (green algae)): > 39 96 h Test Guideline 201					



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			NOEC (Pseudokir mg/l Exposure time: 96 Method: OECD Te	
Toxicity icity)	to fish (Chronic tox-	:	NOEC (Pimephale Exposure time: 33 Method: OECD Te	
	to daphnia and other invertebrates (Chron- ty)	:	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	ation inhibition
			NOEC: 150 mg/l Exposure time: 3 Test Type: Respir	
Kaolin:				
	to fish (Chronic tox-	:	NOELR (Oncorhy Exposure time: 30	nchus mykiss (rainbow trout)): > 100 mg/l) d
Titaniu	m dioxide:			
Toxicity		:	LC50 (Oncorhync Exposure time: 96 Method: OECD Te	
	to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): > 100 mg/l 3 h
Toxicity plants	to algae/aquatic	:	EC50 (Skeletoner Exposure time: 72	na costatum (marine diatom)): > 10,000 mg/l ? h
Toxicity	to microorganisms	:	EC50: > 1,000 mg Exposure time: 3 Method: OECD Te	h
Persist	ence and degradabili	ity		
<u>Compo</u>	onents:			
metform	min hydrochloride:			
Biodegr	adability	:	Result: rapidly deg Biodegradation: 5 Exposure time: 2	50 %

Cellulose:



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Biode	Biodegradability		: Result: Readily biodegradable.	
Sitag	liptin:			
Biode	Biodegradability		 Result: not rapidly degradable Biodegradation: 39.7 % Exposure time: 28 d Method: OECD Test Guideline 314 	
Stabi	Stability in water		Hydrolysis: 50 %(401 d) Method: OECD Test Guideline 111	
Bioa	ccumulative potential			
Com	ponents:			
Partit	ormin hydrochloride: ion coefficient: n- ol/water	:	log Pow: -2	
Partit	Sitagliptin: Partition coefficient: n- octanol/water		log Pow: -0.03	
Mobi	lity in soil			
Com	ponents:			
metfo	ormin hydrochloride:			
	bution among environ- al compartments	:		est Guideline 106
Sitag	liptin:			
	bution among environ- al compartments	:	log Koc: 4.37	
	r adverse effects			
No da	ata 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.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG



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Not r	egulated as a danger	ous good				
	-DGR egulated as a danger	ous 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.					
Dom	Domestic regulation					
	NOM-002-SCT Not regulated as a dangerous good					
Spec	Special precautions for user					

Not applicable

SECTION 15. REGULATORY INFORMATION

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

Federal Law for the control of chemical precursors, : Not applicable essential chemical products and machinery for producing capsules, tablets and pills.

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 Date format	:	30.09.2023 dd.mm.yyyy	
Full text of other abbreviations			
		USA. ACGIH Threshold Limit Values (TLV) Mexico. Norm NOM-010-STPS-2014 on Chemicals Polluting	
		the Work Environment - Identification, Assessment and Con- trol - Appendix 1 Occupational Exposure Limits	
ACGIH / TWA	:	8-hour, time-weighted average	
NOM-010-STPS-2014 / VLE- PPT	:	Time weighted average 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



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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

Sources of key data used to compile the Material Safety Data Sheet

:

Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/

The information is considered as correct, but not exhaustive, and will be used only as a guide, which is based in the current knowledge of the substance or mixture, and is applicable to proper safety precautions for the product.

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