

Version 9.0	Revision Date: 04/04/2023		DS Number: /123-00022	Date of last issue: 10/01/2022 Date of first issue: 10/31/2014	
SECTION	1. IDENTIFICATION				
Produ	uct name	:	Sitagliptin / Me	tformin Formulation	
Manu	ufacturer or supplier's	deta	ails		
Addre		:	126 E. Lincoln		
Emer	Telephone Emergency telephone E-mail address		1-908-423-6000 EHSDATASTEWARD@merck.com		
Reco	ommended use of the o	cher	nical and restric	ctions on use	
Reco	mmended use	:	Pharmaceutica	l	
Restr	Restrictions on use		Not applicable		
GHS	2. HAZARDS IDENTIF classification in accor .1200)			HA Hazard Communication Standard (29 CFR	
	bustible dust				
0011					
Acute	Acute toxicity (Oral)		Category 4		
GHS	label elements				

GHS label elements

Hazard pictograms

Signal Word

	$\checkmark$
:	Warning

:

Hazard Statements	:	If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air. H302 Harmful if swallowed.
Precautionary Statements	:	Provention

**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 doctor if you feel unwell. Rinse mouth.

#### Disposal:

P501 Dispose of contents and container to an approved waste disposal plant.



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#### Other hazards

Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)			
metformin hydrochloride	1115-70-4	>= 70 - < 90			
Sitagliptin	654671-77-9	>= 5 - < 10			
Cellulose	9004-34-6	>= 1 - < 5			
Titanium dioxide	13463-67-7	>= 0.1 - < 1			
Actual concentration is withheld as a trade socrat					

Actual concentration is withheld as a trade secret

### 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	:	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	:	Harmful if swallowed. 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 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.



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				Exposure to comb	pustion products may be a hazard to health.	
	Hazardous combustion prod- ucts		:	Carbon oxides Nitrogen oxides (NOx) Metal 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.		
		protective equipment ighters	:	Evacuate area. In the event of fire, wear self-contained breathing apparat Use personal protective equipment.		
SECT	SECTION 6. ACCIDENTAL RELEASE MEASURES					
ti	ve equ	al precautions, protec- ipment and emer- rocedures	:		ective equipment. ing advice (see section 7) and personal ent recommendations (see section 8).	
E	Environmental precautions		:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.		
	Methods and materials for containment and cleaning up		:	Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Local or national regulations may apply to releases and disposal of this material, as well as those materials and item employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regardin certain local or national requirements.		

### 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.
		Avoid contact with eyes.
		Avoid prolonged or repeated contact with skin.
		Wash skin thoroughly after handling.
		Handle in accordance with good industrial hygiene and safety



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	tions for safe storage als to avoid	assessment Minimize dust Keep containe Keep away fro Take precauti Do not eat, dr Take care to p environment. Keep in prope Store in accor	ed on the results of the workplace exposure generation and accumulation. er closed when not in use. om heat and sources of ignition. onary measures against static discharges. ink or smoke when using this product. orevent spills, waste and minimize release to the erly labeled containers. dance with the particular national regulations. with the following product types: ng agents

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Ingredients with workplace control parameters

inert or nuisance dust	50 Million particles per cubic foot Value type (Form of exposure): TWA (total dust) Basis: OSHA Z-3
	15 mg/m³ Value type (Form of exposure): TWA (total dust) Basis: OSHA Z-3
	5 mg/m <sup>3</sup> Value type (Form of exposure): TWA (respirable fraction) Basis: OSHA Z-3
	15 Million particles per cubic foot Value type (Form of exposure): TWA (respirable fraction) Basis: OSHA Z-3
Dust, nuisance dust and par- ticulates	10 mg/m³ Value type (Form of exposure): PEL (Total dust) Basis: CAL PEL
	5 mg/m <sup>3</sup> Value type (Form of exposure): PEL (respirable dust fraction) Basis: CAL PEL

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
Sitagliptin	654671-77-9	TWA	0.5 mg/m3 (OEB 2)	Internal
Cellulose	9004-34-6	TWA	10 mg/m <sup>3</sup>	ACGIH
		TWA (Res- pirable)	5 mg/m³	NIOSH REL
		TWA (total)	10 mg/m <sup>3</sup>	NIOSH REL
		TWA (total dust)	15 mg/m³	OSHA Z-1



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				TWA (respir- able fraction)	5 mg/m³	OSHA Z-1	
Titani	um dioxide		13463-67-7	TWA (total dust)	15 mg/m³	OSHA Z-1	
				TWA (Res- pirable par- ticulate mat- ter)	2.5 mg/m <sup>3</sup> (Titanium dioxide)	ACGIH	
This : hazar	substance(s) is not b rd.	ioava	ilable and the	refore does not	t contribute to a du	st inhalatio	
	Titanium dioxi	de					
Engir	neering measures	:	compound. All engineerin design and op	g controls shoul	rols to minimize expo d be implemented by dance with GMP prin d the environment.	facility	
	onal protective equip	ment			ntilation is recommer		
Hand	protection		concentration unknown, app Follow OSHA use NIOSH/M by air purifying hazardous ch supplied resp release, expo	s are above reco propriate respirato respirator regula SHA approved in g respirators aga emical is limited rator if there is a sure levels are u where air purify	ow recommended lin ommended limits or a tory protection should ations (29 CFR 1910 respirators. Protectio ainst exposure to any . Use a positive prese any potential for uncount unknown, or any othe ing respirators may n	are d be worn. .134) and n provided v sure air ontrolled er	
	aterial	:	Chemical-resi	stant gloves			
Eye p	protection	:	If the work en mists or aeros Wear a facesl potential for d aerosols.	vironment or act sols, wear the ap hield or other ful irect contact to t	shields or goggles. ivity involves dusty c ppropriate goggles. I face protection if the he face with dusts, m	ere is a	
	and body protection ne measures	:	If exposure to eye flushing s working place When using d Wash contam The effective engineering c appropriate de industrial hygi	ystems and safe o not eat, drink o inated clothing b operation of a fa ontrols, proper p egowning and de	ly during typical use, ety showers close to pefore re-use. icility should include to personal protective ec econtamination proce medical surveillance	the review of quipment, edures,	

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES



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Арре	earance	:	powder	
Colo	r	:	No data available	9
Odor	r	:	No data available	9
Odor	r Threshold	:	No data available	
рН		:	No data available	)
Melti	ng point/freezing point	:	No data available	)
Initia rang	l boiling point and boiling e	:	No data available	
Flas	n point	:	Not applicable	
Evap	poration rate	:	Not applicable	
Flam	nmability (solid, gas)	:	May form explosi handling or other	ve dust-air mixture during processing, means.
Flam	mability (liquids)	:	No data available	)
	er explosion limit / Upper mability limit	:	No data available	
	er explosion limit / Lower mability limit	:	No data available	
Vapo	or pressure	:	Not applicable	
Rela	tive vapor density	:	Not applicable	
Rela	tive density	:	No data available	
Dens	sity	:	No data available	
	bility(ies) /ater solubility	:	No data available	9
	tion coefficient: n- nol/water	:	Not applicable	
	ignition temperature	:	No data available	)
Deco	omposition temperature	:	No data available	9
Visco V	osity iscosity, kinematic	:	Not applicable	
Expl	osive properties	:	Not explosive	
Oxid	izing properties	:	The substance o	r mixture is not classified as oxidizing.



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Molecular weight		: No data availa	able	
Partic	le size	: No data availa	able	

### 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

#### Information on likely routes of exposure

Inhalation Skin contact Ingestion Eye contact

### Acute toxicity

Harmful if swallowed.

### Product:

Acute oral toxicity	:	Acute toxicity estimate: 1,380 mg/kg Method: Calculation method

### **Components:**

### metformin hydrochloride:

,000 mg/kg
): 1,450 - 3,500 mg/kg
y): 463 mg/kg
): 350 mg/kg
a pig): 500 mg/kg
3,000 mg/kg
): 3,000 mg/kg

### Cellulose:



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Acute	oral toxicity	:	LD50 (Rat): > 5,0	00 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): > 5.8 Exposure time: 4 Test atmosphere:	h
Acute	e dermal toxicity	:	LD50 (Rabbit): >	2,000 mg/kg
Titan	ium 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
	<b>corrosion/irritation</b> lassified based on avai	ilable	information.	
Com	oonents:			
	ormin hydrochloride:			
Speci Resu		:	Rabbit Mild skin irritation	
Sitag	liptin:			
Speci Metho Resu	bd	:	Rabbit Draize Test No skin irritation	
Titan	ium dioxide:			
Speci Resu		:	Rabbit No skin irritation	
	us eye damage/eye ir			
	lassified based on avai ponents:	ilable	information.	
	ormin hydrochloride:			
Speci Resu	es	:	Rabbit Mild eye irritation	
Sitag	liptin:			
Speci Resu Metho	lt	:	Rabbit Irritating to eyes. Draize Test	
Titan	ium dioxide:			
Spec	es	:	Rabbit	



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Resu	lt	:	No eye irritation	
Resp	iratory or skin sensi	tizatio	on	
	<b>sensitization</b> lassified based on ava	ailable	information.	
-	iratory sensitization lassified based on ava		information.	
Com	ponents:			
Sitag	liptin:			
Test		:	Local lymph node Mouse	e assay (LLNA)
Speci Metho		:	OECD Test Guide	eline 429
Resu	lt	:	Not a skin sensiti	zer.
Titan	ium dioxide:			
Test	Туре	:	Local lymph node	assay (LLNA)
	es of exposure	:	Skin contact	
Speci Resu		:	Mouse negative	
Not c	n cell mutagenicity lassified based on ava ponents:	ailable	information.	
metfo	ormin hydrochloride	:		
Geno	toxicity in vitro	:	Test Type: Bacte Result: negative	rial reverse mutation assay (AMES)
			Test Type: in vitro Test system: mou Result: negative	o test use lymphoma cells
			Test Type: Chron Test system: Hun Result: negative	nosomal aberration nan lymphocytes
Geno	toxicity in vivo	:	Test Type: Micror Species: Mouse Application Route Result: negative	
Sitag	liptin:			
Geno	toxicity in vitro	:	Test Type: Ames Result: negative	test
				nosome aberration test in vitro nese hamster ovary cells



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		thesis in man	NA damage and repair, unscheduled DNA syn- nmalian cells (in vitro) rat hepatocytes tive
Gen	otoxicity in vivo	: Test Type: M Species: Mou Application R Result: negation	oute: Oral
Cell	ulose:		
Gen	otoxicity in vitro	: Test Type: B Result: nega	acterial reverse mutation assay (AMES) tive
		Test Type: In Result: nega	vitro mammalian cell gene mutation test tive
Gen	otoxicity in vivo	cytogenetic a Species: Mor	use coute: Ingestion
Tita	nium dioxide:		
Gen	otoxicity in vitro	: Test Type: B Result: negat	acterial reverse mutation assay (AMES) tive
Gen	otoxicity in vivo	: Test Type: In Species: Mou Result: nega	
	<b>cinogenicity</b> classified based on av	ailable information.	
Com	<u>iponents:</u>		
metf	formin hydrochloride	<b>:</b>	
Spec	cies osure time	: Mouse : 91 weeks	
Dose		: 1500 mg/kg k	body weight
Resu	ult	: negative	, ,
Spec		: Rat, male	
Appl	lication Route	: Oral : 104 weeks	
Dose	е	: 900 mg/kg bo	ody weight
Resu	ult	: negative	
Spec		: Rat, female	
Appl	lication Route	: Oral : 104 weeks	
LOA		: 900 mg/kg bo	ody weight
		3. 3. 4.	



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Resul Targe Rema	t Organs		:	negative Uterus (including The mechanism c mans.		not be relevant in hu-
Speci Applic	cation Rout sure time	e	: : :	Mouse Oral 2 Years negative		
Expos Resul	cation Rout sure time t et Organs	e		Rat oral (drinking wate 2 Years positive Liver Significant toxicity	er) observed in testing	
Carcin ment	nogenicity -	Assess-	:	Weight of evidenc cinogen	e does not support cla	assification as a car-
	es cation Rout sure time	e	:	Rat Ingestion 72 weeks negative		
Speci Applic	cation Rout sure time od t			mans. This substance(s)	eline 453	not be relevant in hu- d therefore does not
Carcin ment	nogenicity -	Assess-	:	Limited evidence animals.	of carcinogenicity in ir	halation studies with
IARC		Group 2B: Po Fitanium dioxi		ly carcinogenic to		63-67-7
II OSHA		No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.				
NTP		No ingredient of this product present at levels greater than or equal to 0.1% identified as a known or anticipated carcinogen by NTP.				

### Reproductive toxicity

Not classified based on available information.



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Com	iponents:			
metf	ormin hydrochloride:			
Effec	cts on fertility	:	Test Type: Fertilit Species: Rat Application Route Fertility: NOAEL: Result: No effects	e: Oral 600 mg/kg body weight
Effec	cts on fetal development	:	Test Type: Devel Species: Rat Application Route Developmental T Result: No terato	e: Oral oxicity: NOAEL: 600 mg/kg body weight
			Species: Rabbit Application Route	city.: NOAEL: 140 mg/kg body weight
Sita	gliptin:			
Effec	cts 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.
Effeo	cts on fetal development	:	Species: Rat Application Route Teratogenicity: Lo Result: Embryoto	/o-fetal development e: Oral DAEL: 250 mg/kg body weight xic effects and adverse effects on the tected., No teratogenic effects.
			Species: Rabbit	/o-fetal development OAEL: 125 mg/kg body weight genic effects.
Cell	ulose:			
Effec	cts on fertility	:	Test Type: One-c Species: Rat Application Route Result: negative	eneration reproduction toxicity study e: Ingestion
Effeo	cts on fetal development	:	Test Type: Fertilit Species: Rat Application Route Result: negative	y/early embryonic development e: Ingestion

### STOT-single exposure

Not classified based on available information.



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Not cl	STOT-repeated exposure Not classified based on available information. Repeated dose toxicity								
-	Components:								
	ormin hydrochloride:								
Speci NOAE Applio	es EL cation Route sure time	: Rat : 125 mg/kg : Oral : 1 year : No significant adverse effects were reporte	ed						
	EL cation Route sure time	: Rabbit : 100 mg/kg : Oral : 1 Year : No significant adverse effects were reporte	ed						
	EL cation Route sure time	<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>	ed						
Speci NOAE LOAE Applic Expos	EL	: Mouse : 500 mg/kg : 1,000 mg/kg : Oral : > 2 y : Kidney							
Expos	EL	: Rat : 500 mg/kg : 1,000 mg/kg : Oral : 14 Weeks : Liver, Kidney, Heart, Teeth							
Expos	EL EL cation Route sure time et Organs toms	<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 no humans.</li> </ul>	t be relevant in						
Speci NOAE LOAE Applic	EL	: Dog : 2 mg/kg : 10 mg/kg : Oral							



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Exposure time Target Organs Symptoms Remarks		: Loss of balar	<ul> <li>Skeletal muscle, Central nervous system</li> <li>Loss of balance</li> <li>The mechanism or mode of action may not be relevant in</li> </ul>			
	EL cation Route sure time	: Monkey : 100 mg/kg : Oral : 14 Weeks : No significan	t adverse effects were reported			
Cellu	lose:					
		: Rat : >= 9,000 mg : Ingestion : 90 Days	/kg			
Titani	ium dioxide:					
		: Rat : 24,000 mg/kg : Ingestion : 28 Days	g			
		: Rat : 10 mg/m³ : inhalation (du : 2 y	ust/mist/fume)			
Aspir	ation toxicity					
	assified based on av					
•	rience with human e	exposure				
	oonents:					
Skin d	ormin hydrochloride contact ontact tion	: Remarks: Ma : Remarks: Ma : Symptoms: I	ay irritate skin. ay irritate eyes. Diarrhea, Nausea, Vomiting, Gastrointestinal dis Ilence, asthenia, Fatigue, Headache			
Sitag	liptin:					
Inhala	ation	: Symptoms: ι Headache	pper respiratory tract infection, pharyngitis,			
Inges	tion	: Symptoms: u	ipper respiratory tract infection, nasopharyngitis lausea, Abdominal pain, Diarrhea			





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	12. ECOLOGICAL INFO			
		5111		
Ecoto	xicity			
<u>Comp</u>	onents:			
	rmin hydrochloride:			
Toxicit plants	ty to algae/aquatic	:	EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD T	
			NOEC (Pseudokin mg/l Exposure time: 72 Method: OECD T	
Toxicit icity)	ty to fish (Chronic tox-	:	NOEC (Pimephale Exposure time: 33 Method: OECD T	
	ty to daphnia and other c invertebrates (Chron- city)	:	NOEC (Daphnia r Exposure time: 2' Method: OECD T	
Toxicit	ty to microorganisms	:	EC50: > 1,000 mg Exposure time: 3 Test Type: Respir Method: OECD To	h ation inhibition
Sitagl	iptin:			
	ty to fish	:	LC50 (Pimephale Exposure time: 96 Method: OECD T	
	ty to daphnia and other c invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD T	
Toxicit plants	ty to algae/aquatic	:	EC50 (Pseudokiro mg/l Exposure time: 96 Method: OECD To	
			NOEC (Pseudokin mg/l Exposure time: 96 Method: OECD Te	
Toxicit icity)	ty to fish (Chronic tox-	:	NOEC (Pimephale Exposure time: 33 Method: OECD T	
				nagna (Water flea)): 9.8 mg/l



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	aquatic invertebrates (Chron- ic toxicity)		Exposure time: 21 Method: OECD Te	
Toxicit	Toxicity to microorganisms		EC50: > 150 mg/l Exposure time: 3 Test Type: Respir Method: OECD Te	h ation inhibition
			NOEC: 150 mg/l Exposure time: 3 Test Type: Respir	
Cellulo	ose:			
Toxicit	y to fish	:	Exposure time: 48	ipes (Japanese medaka)): > 100 mg/l 3 h on data from similar materials
Titaniu	ım dioxide:			
	y to fish	:	LC50 (Oncorhync Exposure time: 96 Method: OECD To	
	y to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): > 100 mg/l 3 h
Toxicity plants	y to algae/aquatic	:	EC50 (Skeletoner Exposure time: 72	na costatum (marine diatom)): > 10,000 mg/l 2 h
Toxicit	y to microorganisms	:	EC50: > 1,000 mg Exposure time: 3 Method: OECD Te	h
Persis	tence and degradabili	ity		
Compo	onents:			
metfor	min hydrochloride:			
Biodeg	radability	:	Result: rapidly de Biodegradation: 5 Exposure time: 2	50 %
Sitagli	ptin:			
Biodeg	radability	:	Result: not rapidly Biodegradation: 3 Exposure time: 28 Method: OECD Te	39.7 % 3 d
Stabilit	y in water	:	Hydrolysis: 50 %( Method: OECD Te	
Cellulo	ose:			
Biodeg	radability	:	Result: Readily bi	odegradable.



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II			
Bioa	ccumulative potential		
Com	ponents:		
metfo	ormin hydrochloride:		
	ion coefficient: n- ol/water	: log Pow: -2	
Sitag	liptin:		
	ion coefficient: n- ol/water	: log Pow: -0.03	
Mobi	lity in soil		
Com	ponents:		
metfo	ormin hydrochloride:		
	bution among environ- al compartments		) Test Guideline 106
Sitag	liptin:		
Distri	bution among environ- al compartments	: log Koc: 4.37	
Othe	r adverse effects		
No da	ata available		

SECTION 13. DISPOSAL CONSIDERATIONS

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

### **SECTION 14. TRANSPORT INFORMATION**

### **International Regulations**

UNRTDG

Not regulated as a dangerous good

IATA-DGR Not regulated as a dangerous good

### IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

### **Domestic regulation**

49 CFR



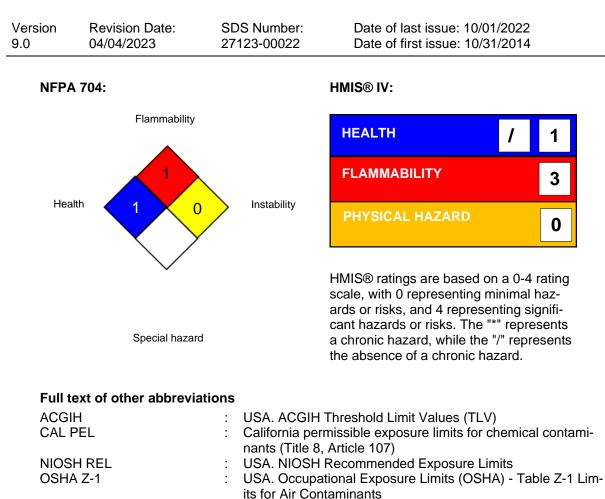
## Sitagliptin / Metformin Formulation

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Not re	egulated as a dangero	us good	
-	ial precautions for us pplicable	ser	
ECTION	15. REGULATORY IN	IFORMATION	
	CLA Reportable Quar naterial does not conta	-	vith a CERCLA RQ.
	A 304 Extremely Haza material does not conta		Reportable Quantity vith a section 304 EHS RQ.
	-		Threshold Planning Quantity vith a section 302 EHS TPQ.
SAR/	A 311/312 Hazards	: Combustible d Acute toxicity	ust (any route of exposure)
SAR	A 313	known CAS nu	does not contain any chemical components with umbers that exceed the threshold (De Minimis) s established by SARA Title III, Section 313.
US St	tate Regulations		
Penn	sylvania Right To Kn metformin hydrod Sitagliptin Polyvinyl pyrrolide Cellulose	hloride	1115-70-4 654671-77-9 9003-39-8 9004-34-6
WARI knowi			nicals including Titanium dioxide, which is/are For more information go to
Califo	ornia List of Hazardo Polyvinyl pyrrolide		9003-39-8
Califo	ornia Permissible Exp Cellulose	oosure Limits for Ch	emical Contaminants 9004-34-6
<b>The i</b> AICS	ngredients of this pro	oduct are reported in : not determined	n the following inventories:
DSL		: not determined	t
IECS	C	: not determined	4

### **SECTION 16. OTHER INFORMATION**

Further information





OSHA Z-3	
ACGIH / TWA	

OSHA Z-3	:	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
ACGIH / TWA	:	8-hour, time-weighted average
CAL PEL / PEL	:	Permissible exposure limit
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
OSHA Z-1 / TWA	:	8-hour time weighted average
OSHA Z-3 / TWA	:	8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification System; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Oth-



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erwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; 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

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/

Revision Date : 04/04/2023

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

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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