according to the OSHA Hazard Communication Standard



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SECTION 1. IDENTIFICATION

Product name	:	Sitagliptin / Metformin Formulation				
Manufacturer or supplier's details						
Company name of supplier Address	:	Merck & Co., Inc 126 E. Lincoln Avenue Rahway, New Jersey U.S.A. 07065				
Telephone Emergency telephone E-mail address	:	908-740-4000 1-908-423-6000 EHSDATASTEWARD@merck.com				
Recommended use of the chemical and restrictions on use						
Recommended use Restrictions on use	:	Pharmaceutical Not applicable				

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accord 1910.1200) Combustible dust	ce with the OSHA Hazard Communication Standard (29)	CFR
Acute toxicity (Oral)	Category 4	
GHS label elements		
Hazard pictograms		
Signal Word	Warning	
Hazard Statements	If small particles are generated during further processing, h dling or by other means, may form combustible dust concer tions in air. 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 doctor if you unwell. Rinse mouth.	feel
	Disposal: P501 Dispose of contents and container to an approved wa disposal plant.	aste

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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 secret						

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	:	Harmful if swallowed. 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
Unsuitable extinguishing media	:	None known.
Specific hazards during fire	:	Avoid generating dust; fine dust dispersed in air in sufficient

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fightir	ng		potential dust exp	nd in the presence of an ignition source is a plosion hazard. pustion products may be a hazard to health.
Haza ucts	rdous combustion prod-	:	Carbon oxides Nitrogen oxides (I Metal oxides	NOx)
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 a so. Evacuate area.	
Special protective equipment for fire-fighters		:		e, wear self-contained breathing apparatus. tective equipment.
ECTION	6. ACCIDENTAL RELE	AS	E MEASURES	
tive e	onal precautions, protec- quipment and emer- y procedures	:	Follow safe hand	tective equipment. ling advice (see section 7) and personal nent recommendations (see section 8).
Environmental precautions		:	Retain and dispos	akage or spillage if safe to do so. se of contaminated wash water. should be advised if significant spillages
Methods and materials for containment and cleaning up		:	container for disp Avoid dispersal or with compressed Dust deposits sho surfaces, as these released into the Local or national	f 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.

disposal of this material, as well as those materials and items

Sections 13 and 15 of this SDS provide information regarding

employed in the cleanup of releases. You will need to

determine which regulations are applicable.

certain local or national requirements.

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Condi	e on safe handling tions for safe storage	Wash skin th Handle in acc practice, bas assessment Minimize dus Keep contain Keep away fi Take precau Do not eat, d Take care to environment. Keep in prop Store in acco	bw. t with eyes. ged or repeated contact with skin. oroughly after handling. cordance with good industrial hygiene and safety ed on the results of the workplace exposure t generation and accumulation. er closed when not in use. om heat and sources of ignition. ionary measures against static discharges. rink or smoke when using this product. prevent spills, waste and minimize release to the erly labeled containers. rdance with the particular national regulations.
Mater	ials to avoid	: Do not store Strong oxidiz	with the following product types: ing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ingioalente mai nemplace e	ond of parameter					
inert or nuisance dust	50 Million particles per cubic foot Value type (Form of exposure): TWA (total dust) Basis: OSHA Z-3					
	21 (15 mg/m³ Value type (Form of exposure): TWA (total dust) Basis: OSHA Z-3				
		5 mg/m³ 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 (Fc Basis: CAL PE		: PEL (Total dust)			
	5 mg/m³ Value type (Fc Basis: CAL PE	• •	: PEL (respirable dus	st fraction)		
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		
				1 I I I I		

TWA

0.5 mg/m3 (OEB

Internal

654671-77-9

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				2)	
Cellu	lose	9004-34-6	TWA	10 mg/m ³	ACGIH
			TWA (Res- pirable)	5 mg/m³	NIOSH REL
			TWA (total)	10 mg/m ³	NIOSH REL
			TWA (total dust)	15 mg/m ³	OSHA Z-1
			TWA (respir- able fraction)	5 mg/m ³	OSHA Z-1
Titani	um dioxide	13463-67-7	TWA (Res- pirable par- ticulate mat- ter)	2.5 mg/m ³ (Titanium dioxide)	ACGIH
			TWA (total dust)	15 mg/m³	OSHA Z-1

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

Titanium dioxide

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.
General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
Chemical-resistant gloves
Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols. Work uniform or laboratory coat. If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke.

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		The effective open engineering contro appropriate degov	ed clothing before re-use. ration of a facility should include review of ols, proper personal protective equipment, wning and decontamination procedures, monitoring, medical surveillance and the tive controls.
SECTION 9. PHYSICAL AND CHE	EMI	CAL PROPERTIES	5
Appearance	:	powder	
Color	:	No data available	9
Odor	:	No data available	9
Odor Threshold	:	No data available	9
рН	:	No data available	9
Melting point/freezing point	:	No data available	9
Initial boiling point and boiling range	:	No data available	9
Flash point	:	Not applicable	
Evaporation rate	:	Not applicable	
Flammability (solid, gas)	:	May form explosi handling or other	ive dust-air mixture during processing, means.
Flammability (liquids)	:	No data available	9
Upper explosion limit / Upper flammability limit	:	No data available)
Lower explosion limit / Lower flammability limit	:	No data available)
Vapor pressure	:	Not applicable	
Relative vapor density	:	Not applicable	
Relative density	:	No data available	9
Density	:	No data available	9
Solubility(ies) Water solubility	:	No data available	9
Partition coefficient: n-	:	Not applicable	
octanol/water Autoignition temperature	:	No data available	9

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Dec	composition temperature	:	No data available	e
,	cosity /iscosity, kinematic losive properties	:	Not applicable Not explosive	
Oxi	dizing properties	:	The substance o	r mixture is not classified as oxidizing.
Mol	ecular weight	:	No data available	9
	ticle characteristics ticle size	:	No data available	e

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	:	Oxidizing agents
Hazardous decomposition products	:	No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes Inhalation Skin contact Ingestion Eye contact	i of	exposure
Acute toxicity Harmful if swallowed.		
Product: Acute oral toxicity		Acute toxicity estimate: 1,380 mg/kg
	•	Method: Calculation method
Components:		
metformin hydrochloride:		
Acute oral toxicity	:	LD50 (Rat): 1,000 mg/kg
		LD50 (Mouse): 1,450 - 3,500 mg/kg
		LD50 (Monkey): 463 mg/kg

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		L	050 (Rabbit)	: 350 mg/kg
		L	050 (Guinea	n pig): 500 mg/kg
Sitag	liptin:			
Acute	oral toxicity	: L[050 (Rat): >	3,000 mg/kg
		LI	050 (Mouse)): 3,000 mg/kg
Cellu	lose:			
Acute	oral toxicity	: L[050 (Rat): >	5,000 mg/kg
Acute	inhalation toxicity	E	C50 (Rat): > xposure time est atmosph	
Acute	dermal toxicity	: L[050 (Rabbit)	: > 2,000 mg/kg
Titani	ium dioxide:			
Acute	oral toxicity	: L[050 (Rat): >	5,000 mg/kg
Acute	inhalation toxicity	E: Te A:		
Skin	corrosion/irritation			
Not cl	assified based on avai	lable info	ormation.	
Comp	oonents:			
metfo	ormin hydrochloride:			
Speci Resul		: R : M	abbit ild skin irrita	tion
Sitag	liptin:			
Speci			abbit	
Metho Resul			raize Test o skin irritati	on
	ium dioxide:			
Titani	um uloxide.			
Titan i Speci Resul	es		abbit o skin irritati	

Not classified based on available information.

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Com	ponents:			
metfo	ormin hydrochloride	:		
Spec		:	Rabbit	
Resu	lt	:	Mild eye irritati	on
Sitag	liptin:			
Spec		:	Rabbit	
Resu Meth		:	Irritating to eye Draize Test	S.
Meth	ou	•	Didize rest	
Titan	ium dioxide:			
Spec		:	Rabbit	_
Resu	It	÷	No eye irritation	n
Resp	iratory or skin sens	itizatio	on	
Skin	sensitization			
Not c	lassified based on av	ailable	information.	
Resp	iratory sensitizatior	۱		
Not c	lassified based on av	ailable	information.	
<u>Com</u>	ponents:			
Sitag	liptin:			
Test		:		ode assay (LLNA)
Spec Meth		:	Mouse OECD Test Gu	ideline 429
Resu		:	Not a skin sens	
Titan	ium dioxide:			
Test		:	Local lymph no	ode assay (LLNA)
Route	es of exposure	:	Skin contact	,
Spec Resu		:	Mouse negative	
Nesu	n	•	negative	
	n cell mutagenicity			
	lassified based on av	ailable	information.	
Com	ponents:			
	ormin hydrochloride	:		
Geno	otoxicity in vitro	:	Result: negativ	cterial reverse mutation assay (AMES e
			Test Type: in v	itro test
				nouse lymphoma cells
			Result: negativ	e
			Test Type: Chr	omosomal aberration
			9 / 21	
			9/21	





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		Test system: Result: negat	Human lymphocytes ive		
Geno	toxicity in vivo	: Test Type: M Species: Mou Application R Result: negat	oute: Oral		
Sitag	liptin:				
-	toxicity in vitro	: Test Type: A Result: negat			
			hromosome aberration test in vitro Chinese hamster ovary cells ive		
		thesis in man	NA damage and repair, unscheduled DNA syn- nmalian cells (in vitro) rat hepatocytes ive		
Geno	toxicity in vivo	Species: Mou Application R	Test Type: Micronucleus test Species: Mouse Application Route: Oral Result: negative		
Cellu	lose:				
	toxicity in vitro	: Test Type: Ba Result: negat	acterial reverse mutation assay (AMES) ive		
		Test Type: In Result: negat	vitro mammalian cell gene mutation test ive		
Geno	toxicity in vivo	cytogenetic a Species: Mou	use oute: Ingestion		
Titani	ium dioxide:				
	toxicity in vitro	: Test Type: Ba Result: negat	acterial reverse mutation assay (AMES) ive		
Geno	toxicity in vivo	: Test Type: In Species: Mou Result: negat			

Carcinogenicity

Not classified based on available information.

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<u>Comp</u>	onents:		
metfo	rmin hydrochloride	:	
Specie	-	: Mouse	
	sure time	: 91 weeks	
Dose		: 1500 mg/kg bo	ody weight
Resul	t	: negative	
Specie		: Rat, male	
	ation Route	: Oral	
	sure time	: 104 weeks	
Dose		: 900 mg/kg boo	dy weight
Resul	t	: negative	
Specie		: Rat, female	
	ation Route	: Oral	
Expos LOAE	sure time	: 104 weeks	dy weight
Resul		: 900 mg/kg boo	ay weight
	t Organs	: negative : Uterus (includi	ing convix)
Rema			m or mode of action may not be relevant in hu
Rema		mans.	
Sitagl	iptin:		
Specie		: Mouse	
	ation Route	: Oral	
	sure time	: 2 Years	
Resul		: negative	
Specie	es	: Rat	
	ation Route	: oral (drinking v	water)
Expos	sure time	: 2 Years	
Resul		: positive	
	t Organs	: Liver	
Rema	rks	: Significant tox	icity observed in testing
Carcir ment	nogenicity - Assess-	: Weight of evid cinogen	ence does not support classification as a car-
Cellul	OSE.		
		· Pot	
Specie	es ation Route	: Rat	
	sure time	: Ingestion : 72 weeks	
Resul		: negative	
Titani	um dioxide:		
Specie		: Rat	
	ation Route	: inhalation (due	st/mist/fume)
	sure time	: 2 Years	
		: OECD Test G	uideline 453
Metho Resul		: positive	

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			•) is not bioavailable and therefore does not ist inhalation hazard.	
Carcir ment	nogenicity - Assess-	:	Limited evidence animals.	of carcinogenicity in inhalation studies with	
IARC	Group 2B: Po Titanium diox		ly carcinogenic to	humans 13463-67-7	
OSHA			this product prese regulated carcino	nt at levels greater than or equal to 0.1% is gens.	
NTP	5			t at levels greater than or equal to 0.1% is carcinogen by NTP.	
-	oductive toxicity assified based on availa	able	information.		
Comp	oonents:				
	ormin hydrochloride:				
Effect	s on fertility	:	Test Type: Fertili Species: Rat Application Rout Fertility: NOAEL: Result: No effect	e: Oral 600 mg/kg body weight	
Effect	Effects 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	
Sitag	liptin:				
Effect	s on fertility	:	Test Type: Fertility/early embryonic development Species: Rat Application Route: Oral Fertility: NOAEL Parent: 1,000 mg/kg body weight Result: Animal testing did not show any effects on ferti		
Effect	Effects on fetal development		Species: Rat Application Route Teratogenicity: L Result: Embryote	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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			Species: Rabbit	yo-fetal development OAEL: 125 mg/kg body weight genic effects.
Cellu	lose:			
Effect	ts on fertility	:	Test Type: One-o Species: Rat Application Route Result: negative	generation reproduction toxicity study e: Ingestion
Effect	Effects on fetal development		Test Type: Fertili Species: Rat Application Route Result: negative	ty/early embryonic development e: Ingestion
	-single exposure		to former the s	
	lassified based on availa F-repeated exposure	ble	information.	
	lassified based on availa	ble	information.	
Repe	ated dose toxicity			
Com	oonents:			
metfo	ormin hydrochloride:			
Speci NOAE Applic	es EL cation Route sure time	: : :	Rat 125 mg/kg Oral 1 year No significant ad	verse effects were reported
Speci	es	:	Rabbit	
NOAE	EL cation Route	:	100 mg/kg Oral	
Expo	sure time	÷	1 Year	
Rema	arks	:	No significant ad	verse effects were reported
Speci		:	Dog	
NOAE Applic	=∟ cation Route	:	50 mg/kg Subcutaneous	
	sure time	:	2 year No significant ad	verse effects were reported
Sitan	liptin:			
Speci		:	Mouse	
NOAE LOAE		:	500 mg/kg	
	cation Route	÷	1,000 mg/kg Oral	
Expos	sure time	:	> 2 y	
rarge	et Organs	•	Kidney	

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Expos	EL	: Rat : 500 mg/kg : 1,000 mg/k : Oral : 14 Weeks : Liver, Kidn	g ey, Heart, Teeth
Expos	L L cation Route sure time t Organs toms	: Loss of bal	vous system ance anism or mode of action may not be relevant in
Expos	L L cation Route sure time t Organs toms	: Loss of bal	uscle, Central nervous system ance anism or mode of action may not be relevant in
	EL ation Route sure time	: Monkey : 100 mg/kg : Oral : 14 Weeks : No signific:	ant adverse effects were reported
	es	: Rat : >= 9,000 n : Ingestion : 90 Days	ng/kg
Specio NOAE Applic		: Rat : 24,000 mg : Ingestion : 28 Days	/kg
		: Rat : 10 mg/m³ : inhalation : 2 y	dust/mist/fume)

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•	ration toxicity			
Not c	lassified based on ava	ailable	information.	
Expe	rience with human e	xposi	ure	
Com	Components:			
metfo	ormin hydrochloride	:		
Skin	contact	:	Remarks: May	irritate skin.
Eye c	contact	:	Remarks: May	irritate eyes.
Inges	tion	:		arrhea, Nausea, Vomiting, Gastrointestinal dis- nce, asthenia, Fatigue, Headache
Sitag	liptin:			
Inhala	ation	:	Symptoms: up Headache	per respiratory tract infection, pharyngitis,
Inges	tion	:		per respiratory tract infection, nasopharyngitis, usea, Abdominal pain, Diarrhea
SECTION				·

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

metformin hydrochloride: Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
		NOEC (Pseudokirchneriella subcapitata (green algae)): 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to fish (Chronic tox- icity)	:	NOEC (Pimephales promelas (fathead minnow)): 10 mg/l Exposure time: 33 d Method: OECD Test Guideline 210
Toxicity to daphnia and other aquatic invertebrates (Chron-ic toxicity)	:	NOEC (Daphnia magna (Water flea)): 40 mg/l Exposure time: 21 d Method: OECD Test Guideline 211
Toxicity to microorganisms	:	EC50: > 1,000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209
Sitagliptin:		
Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203





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		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
	Toxicity plants	to algae/aquatic	:	EC50 (Pseudokiro mg/l Exposure time: 96 Method: OECD Te	
				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	
	Cellulo	se:			
	Toxicity	r to fish	:	Exposure time: 48	pes (Japanese medaka)): > 100 mg/l h on data from similar materials
	Titaniu	m dioxide:			
	Toxicity	v to fish	:	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 s 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	n

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Persi	istence and degradabi	lity		
Com	ponents:			
metfe	ormin hydrochloride:			
Biode	egradability	:	Result: rapidly de Biodegradation: Exposure time: 2	50 %
Sitag	liptin:			
-	egradability	:	Biodegradation: Exposure time: 2	39.7 %
Stabi	lity in water	:	Hydrolysis: 50 % Method: OECD 1	o(401 d) Fest Guideline 111
Cellu	llose:			
Biode	egradability	:	Result: Readily b	biodegradable.
Bioa	ccumulative potential			
Com	ponents:			
Partit	ormin hydrochloride: ion coefficient: n- nol/water	:	log Pow: -2	
Partit	liptin: ion coefficient: n- nol/water	:	log Pow: -0.03	
Mobi	lity in soil			
<u>Com</u>	ponents:			
metfe	ormin hydrochloride:			
Distri		:	0	Fest Guideline 106
Sitag	liptin:			
	bution among environ- al compartments	:	log Koc: 4.37	
	r adverse effects ata available			

Disposal methods

Waste from residues

: Dispose of in accordance with local regulations.

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9.2	09/28/2024	27123-00024	Date of first issue: 10/31/2014
Conta	aminated packaging	: Empty contain handling site for	e of waste into sewer. ers should be taken to an approved waste or recycling or disposal. e 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 Not regulated as a dangerous good

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:	Combustible dust Acute toxicity (any route of exposure)
SARA 313	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Pennsylvania Right To Know

metformin hydrochloride	
Sitagliptin	
Polyvinyl pyrrolidone	
Cellulose	

1115-70-4 654671-77-9 9003-39-8 9004-34-6

according to the OSHA Hazard Communication Standard



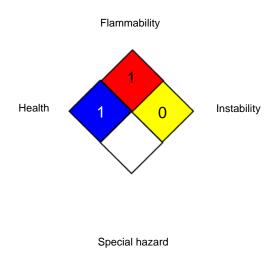
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WAF knov	California Prop. 65 WARNING: This product can expose you to chemicals including Titanium dioxide, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.					
Calif	California List of Hazardous SubstancesPolyvinyl pyrrolidone9003-39-8					
Calif	ornia Permissible Ex Cellulose	posure Limits for Ch	emical Contaminants 9004-34-6			
The AICS	-	oduct are reported in : not determined	n the following inventories:			
DSL		: not determined	I			
IECS	SC .	: not determined	1			

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



HMIS® IV:



HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
CAL PEL	:	California permissible exposure limits for chemical contami- nants (Title 8, Article 107)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
OSHA Z-3	:	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
ACGIH / TWA	:	8-hour, time-weighted average



according to the OSHA Hazard Communication Standard

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CAL PEL / PEL NIOSH REL / TWA			posure limit average concentration for up to a 10-hour g a 40-hour workweek
OSHA Z-1 / TWA OSHA Z-3 / TWA		: 8-hour time we : 8-hour time we	

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 Otherwise 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 Amend-ments 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

: 09/28/2024

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





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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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