

Version	Revision Date:	SDS Number:	Date of last issue: 04.04.2023
4.1	30.09.2023	9371503-00006	Date of first issue: 27.08.2021

#### **SECTION 1:** Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier Trade name	:	Sitagliptin / Metformin Extended Release Formulation
1.2 Relevant identified uses of	the s	substance or mixture and uses advised against
Use of the Sub- stance/Mixture	:	Pharmaceutical
Recommended restrictions on use	:	Not applicable
1.3 Details of the supplier of the	e saf	iety data sheet
Company	:	MSD 120 Moorgate EC2M 6UR London, United Kingdom
Telephone	:	+44 (0) 2081548000
E-mail address of person responsible for the SDS	:	EHSDATASTEWARD@msd.com

#### 1.4 Emergency telephone number

1-908-423-6000

#### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Acute toxicity, Category 4

H302: Harmful if swallowed.

#### 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms

Signal word



2

2



Version 4.1	Revision Date: 30.09.2023	-	SDS Nun 371503-		Date of last issue: 04.04.2023 Date of first issue: 27.08.2021
Hazaı	d statements	:	H302	Harmful if	swallowed.
Preca	utionary statements	:	<b>Preve</b> P264 P270	Wash skin	thoroughly after handling. , drink or smoke when using this product.
			<b>Respo</b> P301 -	onse: ⊦ P312 + P3	30 IF SWALLOWED: Call a POISON f you feel unwell. Rinse mouth.

Hazardous components which must be listed on the label: metformin hydrochloride

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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**

#### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
metformin hydrochloride	1115-70-4 214-230-6	Acute Tox. 4; H302	>= 50 - < 70
Sitagliptin	654671-77-9	Eye Irrit. 2; H319	>= 1 - < 10
Substances with a workplace exposure	e limit :		
Cellulose	9004-34-6 232-674-9		>= 10 - < 20
Kaolin	1332-58-7 310-194-1		>= 1 - < 10

For explanation of abbreviations see section 16.

#### **SECTION 4: First aid measures**

#### 4.1 Description of 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

UK REACH Regulations SI 2019/758

### Sitagliptin / Metformin Extended Release Formulation

Version 4.1	Revision Date: 30.09.2023	SDS Number:Date of last issue: 04.04.20239371503-00006Date of first issue: 27.08.2021		
		advice.		
Prote	ection of first-aiders	: First Aid responders should pay attention to self-protect and use the recommended personal protective equipme when the potential for exposure exists (see section 8).		
lf inh	aled	: 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.		
4.2 Most	important symptoms	d effects, both acute and delayed		
Risks	6	: Harmful if swallowed.		
		Contact with dust can cause mechanical irritation or dry the skin.	ing of	

Dust contact with the eyes can lead to mechanical irritation.

#### 4.3 Indication of any immediate medical attention and special treatment needed

- Treatment
- : Treat symptomatically and supportively.

#### **SECTION 5: Firefighting measures**

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

Unsuitable extinguishing : None known. media

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-	:	Avoid generating dust; fine dust dispersed in air in sufficient
fighting		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.



Vers 4.1	sion Revision Date: 30.09.2023	SDS Numb 9371503-0		Date of last issue: 04.04.2023 Date of first issue: 27.08.2021
	Hazardous combustion prod- ucts	Metal c	n oxides (	NOx)
5.3	Advice for firefighters Special protective equipment for firefighters			e, wear self-contained breathing apparatus. tective equipment.
	Specific extinguishing methods	cumsta Use wa Remov so.	cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to	

#### **SECTION 6:** Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	: Use personal protective equipment.
	Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).

#### **6.2 Environmental precautions**

Environmental precautions	:	Avoid release to the environment.
		Prevent further leakage or spillage if safe to do so.
		Retain and dispose of contaminated wash water.
		If spillage enters rivers or watercourses, inform the Environ-
		ment Agency (emergency telephone number 0800 807060).

#### 6.3 Methods and material for containment and cleaning up

certain local or national requirements.	Methods for cleaning up	<ul> <li>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 items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.</li> </ul>
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#### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

## According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

### Sitagliptin / Metformin Extended Release Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 04.04.2023
4.1	30.09.2023	9371503-00006	Date of first issue: 27.08.2021

#### **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

		5	
	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 Advice on safe handling		and bonding, or inert atmospheres. Use only with adequate ventilation. 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 practice, based on the results of the workplace exposure as- sessment Minimize dust generation and accumulation. Keep container closed when not in use. Keep away from heat and sources of ignition. Take precautionary measures against static discharges.
			Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the environment.
	Hygiene measures	:	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. Wash contami- nated clothing before re-use. The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.
7.2	Conditions for safe storage,	inc	luding any incompatibilities
	Requirements for storage areas and containers	:	Keep in properly labelled containers. Store in accordance with the particular national regulations.
			Do not stone with the following product types:

Advice on common storage : Do not store with the following product types: Strong oxidizing agents

7.3 Specific end use(s)

Specific use(s) : No data available

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

Occupational Exposure Limits

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

### Sitagliptin / Metformin Extended Release Formulation

Version 4.1	Revision Da 30.09.2023			Date of last issue: 04.04.2023 Date of first issue: 27.08.2021	
dust of	dust of any kind		10 mg/m3 Value type (Form of exposure): TWA (Inhalable) Basis: GB EH40		
			4 mg/m3 Value type (Form of exposure): TWA (Respirable f Basis: GB EH40		fraction)
Compo	ComponentsCAS-No.metformin hydro- chloride1115-70-4Cellulose9004-34-6Sitagliptin654671-77- 9Kaolin1332-58-7		Value type (Forn of exposure)	Control parameters	Basis
			TWA	1 mg/m3 (OEB 1)	Internal
Cellulo			TWA (inhalable dust)	10 mg/m3	GB EH40
			TWA (Respirable dust)	e 4 mg/m3	GB EH40
			STEL (inhalable dust)	20 mg/m3	GB EH40
Sitagli			TWA	0.5 mg/m3 (OEB 2)	Internal
Kaolin			TWA (Respirable dust)	e 2 mg/m3	GB EH40

#### 8.2 Exposure controls

#### **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.

#### Personal protective equipment

Eye/face protection	:	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.
Hand protection Material	:	Chemical-resistant gloves
Skin and body protection Respiratory protection	:	Work uniform or laboratory coat. If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Equipment should conform to BS EN 143
Filter type	:	Particulates type (P)

#### **SECTION 9: Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties



Version 4.1	Revision Date: 30.09.2023		S Number: 71503-00006	Date of last issue: 04.04.2023 Date of first issue: 27.08.2021
Co	pearance lour lour lour Threshold	:	powder blue green No data available No data available	
рH	I	:	No data available	e
Me	elting point/freezing point	:	No data available	e
	tial boiling point and boiling	:	No data available	e
	nge ash point	:	Not applicable	
Ev	aporation rate	:	Not applicable	
Fla	ammability (solid, gas)	:	May form explos dling or other me	ive dust-air mixture during processing, han- eans.
	per explosion limit / Upper mmability limit	:	No data available	e
	wer explosion limit / Lower mmability limit	:	No data available	e
Va	pour pressure	:	Not applicable	
Re	lative vapour density	:	Not applicable	
Re	elative density	:	No data available	e
De	ensity	:	No data available	e
Pa	lubility(ies) Water solubility rtition coefficient: n- tanol/water	:	No data available Not applicable	e
Au	to-ignition temperature	:	No data available	e
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.
9.2 Oth	er information			
Fla	ammability (liquids)	:	No data available	e
Мс	blecular weight	:	No data available	e



Version 4.1	Revision Date: 30.09.2023		0S Number: 71503-00006	Date of last issue: 04.04.2023 Date of first issue: 27.08.2021
Partic	cle size	:	No data available	9
SECTION	N 10: Stability and rea	acti	vity	
<b>10.1 Read</b> Not c	<b>ctivity</b> lassified as a reactivity h	aza	rd.	
	mical stability e under normal condition	IS.		
10.3 Poss	sibility of hazardous rea	actio	ons	
	rdous reactions	:	May form explos dling or other me	ive dust-air mixture during processing, han- ans. rong oxidizing agents.
10.4 Cond	ditions to avoid			
Cond	litions to avoid	:	Heat, flames and Avoid dust forma	
	mpatible materials			
Mate	rials to avoid	:	Oxidizing agents	
No ha	ardous decomposition p azardous decomposition N 11: Toxicological in	pro	ducts are known.	
			_	
	mation on toxicologica mation on likely routes of sure			
	<b>e toxicity</b> nful if swallowed.			
<u>Prod</u> Acute	uct: e oral toxicity	:		mate: 1,588 mg/kg
			Method: Calculati	on method
Com	ponents:			
metfe	ormin hydrochloride:			
Acute	e oral toxicity	:	LD50 (Rat): 1,000	) mg/kg
			LD50 (Mouse): 1	450 - 3,500 mg/kg



rsion	Revision Date: 30.09.2023	SDS Number: 9371503-00006	Date of last issue: 04.04.2023 Date of first issue: 27.08.2021
		LD50 (Monke	ey): 463 mg/kg
		LD50 (Rabbi	t): 350 mg/kg
		LD50 (Guine	a pig): 500 mg/kg
Sitag	liptin:		
-	oral toxicity	: LD50 (Rat): :	> 3,000 mg/kg
		LD50 (Mouse	e): 3,000 mg/kg
Cellu	lose:		
Acute	oral toxicity	: LD50 (Rat): :	> 5,000 mg/kg
Acute	inhalation toxicity	: LC50 (Rat): : Exposure tim Test atmosp	
Acute	dermal toxicity	: LD50 (Rabbi	t): > 2,000 mg/kg
Kaoli	n:		
Acute	oral toxicity	: LD50 (Rat): : Remarks: Ba	> 5,000 mg/kg ased on data from similar materials
Acute	inhalation toxicity	Assessment: tion toxicity	
Acute	dermal toxicity	toxicity	> 5,000 mg/kg : The substance or mixture has no acute derma ased on data from similar materials
	corrosion/irritation assified based on ava	ilable information.	
Comp	oonents:		
metfo	ormin hydrochloride:		
Speci Resul		: Rabbit : Mild skin irrit	ation
Sitag	liptin:		
Speci		: Rabbit	
		9/2	22
		577	



### Sitagliptin / Metformin Extended Release Formulation

Ver 4.1	sion	Revision Date: 30.09.2023		S Number: 71503-00006	Date of last issue: 04.04.2023 Date of first issue: 27.08.2021	
	Methoo Result			Draize Test No skin irritation		
	Kaolin Specie Methoo Result Remar	s t	:	Rabbit OECD Test Guide No skin irritation Based on data fro	eline 404 om similar materials	
		s eye damage/eye irr				
		issified based on avail: onents:	able i	nformation.		
	Specie	min hydrochloride:		Rabbit		
	Result			Mild eye irritation		
	Sitagli	ptin:				
	Specie			Rabbit		
	Metho			Draize Test		
	Result		:	Irritating to eyes.		
	Kaolin	:				
	Specie			Rabbit		
	Result Remar			No eye irritation	en similar materials	
	Remai	KS	•	Based on data from similar materials		
	Respir	atory or skin sensitis	satio	n		
		ensitisation ssified based on avail	able i	nformation.		
	-	atory sensitisation	able i	nformation.		
	Comp	onents:				
	Sitagli	ptin:				
	Test T			Local lymph node	eassay (LLNA)	
	Specie			Mouse	alian 420	
	Methoo Result			OECD Test Guide Not a skin sensitiz		
					-	

#### Germ cell mutagenicity

Not classified based on available information.



Vers 4.1	sion	Revision Date: 30.09.2023		9S Number: 71503-00006	Date of last issue: 04.04.2023 Date of first issue: 27.08.2021
	Comp	onents:			
	metfor	min hydrochloride:			
		oxicity in vitro	:	Test Type: Bacter Result: negative	rial reverse mutation assay (AMES)
				Test Type: in vitro Test system: mou Result: negative	o assay ise lymphoma cells
				Test Type: Chrom Test system: Hum Result: negative	nosomal aberration nan lymphocytes
	Genoto	oxicity in vivo	:	Test Type: Micror Species: Mouse Application Route Result: negative	
	Sitagli	otin:			
	-	oxicity in vitro	:	Test Type: Ames Result: negative	test
					nosome aberration test in vitro nese hamster ovary cells
				Test Type: DNA c thesis in mammal Test system: rat h Result: negative	
	Genoto	oxicity in vivo	:	Test Type: Micror Species: Mouse Application Route Result: negative	
	Cellul	se.			
		oxicity in vitro	:	Test Type: Bacter Result: negative	rial reverse mutation assay (AMES)
				Test Type: In vitro Result: negative	o mammalian cell gene mutation test
	Genoto	oxicity in vivo	:	Test Type: Mamm cytogenetic assay Species: Mouse Application Route Result: negative	



### Sitagliptin / Metformin Extended Release Formulation

Versio 4.1	n Revision Date: 30.09.2023	SDS Number: 9371503-00006	Date of last issue: 04.04.2023 Date of first issue: 27.08.2021	
	arcinogenicity			
N	ot classified based on avai	lable information.		
<u>C</u>	omponents:			
m	etformin hydrochloride:			
S	pecies	: Mouse		
E	xposure time	: 91 weeks		
_	ose	: 1500 mg/kg boo	ly weight	
R	esult	: negative		
S	pecies	: Rat, male		
A	pplication Route	: Oral		
	xposure time	: 104 weeks		
	ose	: 900 mg/kg body	v weight	
R	esult	: negative		
S	pecies	: Rat, female		
	pplication Route	: Oral		
	xposure time	: 104 weeks		
L	OAEL	: 900 mg/kg body	<sup>v</sup> weight	
	esult	: negative		
	arget Organs	: Uterus (includin		
R	emarks	: The mechanism mans.	or mode of action may not be relevant in hu-	
S	itagliptin:			
	pecies	: Mouse		
	pplication Route	: Oral		
	xposure time	: 2 Years		
R	esult	: negative		
S	pecies	: Rat		
A	pplication Route	: oral (drinking wa	ater)	
	xposure time	: 2 Years		
	esult	: positive		
	arget Organs	: Liver	the strange of the feature	
R	emarks	: Significant toxic	ity observed in testing	
	arcinogenicity - Assess- ient	: Weight of evide cinogen	nce does not support classification as a car-	
с	ellulose:			
	pecies	: Rat		
	pplication Route	: Ingestion		
	xposure time	: 72 weeks		
	esult	: negative		

#### **Reproductive toxicity**

Not classified based on available information.



Vers 4.1	sion	Revision Date: 30.09.2023		S Number: 71503-00006	Date of last issue: 04.04.2023 Date of first issue: 27.08.2021
	Comp	onents:			
		min hydrochloride: on fertility	:	Test Type: Fer	tility
				Species: Rat Application Ro Fertility: NOAE Result: No effe	L: 600 mg/kg body weight
	Effects ment	on foetal develop-	:	Test Type: Dev Species: Rat Application Ro Developmenta Result: No tera	ute: Oral Toxicity: NOAEL: 600 mg/kg body weight
				Species: Rabb Application Ro	ute: Oral toxicity: NOAEL: 140 mg/kg body weight
	Sitagli	ptin:			
	Effects	on fertility	:	Species: Rat Application Ro Fertility: NOAE	tility/early embryonic development ute: Oral L Parent: 1,000 mg/kg body weight testing did not show any effects on fertility.
	Effects ment	on foetal develop-	:	Species: Rat Application Ro Teratogenicity: Result: Embryo	bryo-foetal development ute: Oral LOAEL: 250 mg/kg body weight btoxic effects and adverse effects on the off- tected., No teratogenic effects
				Species: Rabb	NOAEL: 125 mg/kg body weight
	Cellulo	ose:			
	Effects	on fertility	:	Test Type: One Species: Rat Application Ro Result: negativ	
	Effects ment	on foetal develop-	:	Test Type: Fer Species: Rat Application Ro Result: negativ	

### SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



### Sitagliptin / Metformin Extended Release Formulation

4.1         30.09.2023         9371503-00006         Date of first issue: 27.08.2021	Version 4.1	Revision Date: 30.09.2023	SDS Number: 9371503-00006	Date of last issue: 04.04.2023 Date of first issue: 27.08.2021
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#### 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	Rat 125 mg/kg Oral 1 year No significant adverse effects were reported
Species NOAEL Application Route Exposure time Remarks	Rabbit 100 mg/kg Oral 1 Year No significant adverse effects were reported
Species NOAEL Application Route Exposure time Remarks	Dog 50 mg/kg Subcutaneous 2 year No significant adverse effects were reported
Sitagliptin: Species NOAEL LOAEL Application Route Exposure time Target Organs	 Mouse 500 mg/kg 1,000 mg/kg Oral > 2 yr Kidney
Species NOAEL LOAEL Application Route Exposure time Target Organs	Rat 500 mg/kg 1,000 mg/kg Oral 14 Weeks Liver, Kidney, Heart, Teeth
Species NOAEL LOAEL Application Route Exposure time Target Organs	Dog 10 mg/kg 50 mg/kg Oral 53 Weeks Central nervous system

### SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



sion	Revision Date: 30.09.2023	SDS Number: 9371503-00006	Date of last issue: 04.04.2023 Date of first issue: 27.08.2021
Symp Rema		: Loss of balance : The mechanis mans.	ce m or mode of action may not be relevant in hu-
Expo	EL EL cation Route sure time of Organs otoms	: Loss of baland	le, Central nervous system ce im or mode of action may not be relevant in hu-
	EL cation Route sure time	: Monkey : 100 mg/kg : Oral : 14 Weeks : No significant	adverse effects were reported
Cellu	lose:		
Expos	EL cation Route sure time	: Rat : >= 9,000 mg/ł : Ingestion : 90 Days	۶g
-	r <b>ation toxicity</b> lassified based on av	ailable information.	
Expe	rience with human e	exposure	
<u>Com</u>	ponents:		
metfo	ormin hydrochloride	:	
	contact contact tion		
Sitag	liptin:		
Inhala	ation	: Symptoms: up Headache	oper respiratory tract infection, pharyngitis,
		ricuduono	

# According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

### Sitagliptin / Metformin Extended Release Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 04.04.2023
4.1	30.09.2023	9371503-00006	Date of first issue: 27.08.2021

#### **SECTION 12: Ecological information**

#### 12.1 Toxicity

#### Components:

<b>metformin hydrochloride:</b> 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 microorganisms	:	EC50 : > 1,000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209
Toxicity to fish (Chronic tox- icity)	:	NOEC: 10 mg/l Exposure time: 33 d Species: Pimephales promelas (fathead minnow) Method: OECD Test Guideline 210
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	NOEC: 40 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211
Cite aliatia.		
Sitagliptin: Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 60 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): > 39 mg/l Exposure time: 96 h Method: OECD Test Guideline 201
		NOEC (Pseudokirchneriella subcapitata (green algae)): 2.2 mg/l Exposure time: 96 h Method: OECD Test Guideline 201



Vers 4.1		Revision Date: 30.09.2023		0S Number: 71503-00006	Date of last issue: 04.04.2023 Date of first issue: 27.08.2021
	Toxicity	to microorganisms	:	EC50 : > 150 mg/ Exposure time: 3 Test Type: Respire	h ation inhibition
				Method: OECD Te NOEC : 150 mg/l Exposure time: 3 l Test Type: Respir	h
	Toxicity icity)	to fish (Chronic tox-	:	NOEC: 9.2 mg/l Exposure time: 33 Species: Pimepha Method: OECD Te	ales promelas (fathead minnow)
		to daphnia and other nvertebrates (Chron- y)	:	NOEC: 9.8 mg/l Exposure time: 21 Species: Daphnia Method: OECD Te	magna (Water flea)
	<b>Cellulos</b> Toxicity		:	Exposure time: 48	pes (Japanese medaka)): > 100 mg/l 3 h on data from similar materials
	Kaolin: Toxicity icity)	to fish (Chronic tox-	:	NOELR: > 100 mg Exposure time: 30 Species: Oncorhy	
12.2	2 Persiste	ence and degradabil	ity		
	<u>Compor</u>	nents:			
	metform Biodegra	<b>hin hydrochloride:</b> adability	:	Result: rapidly deg Biodegradation: 5 Exposure time: 2	50 %
	Sitaglip Biodegra		:	Result: not rapidly Biodegradation: 3 Exposure time: 28 Method: OECD Te	39.7 % 3 d
	Stability	in water	:	pH: 7 Hydrolysis: 50 %( Method: OECD Te	



### Sitagliptin / Metformin Extended Release Formulation

Ver 4.1	sion	Revision Date: 30.09.2023		DS Number: 71503-00006	Date of last issue: 04.04.2023 Date of first issue: 27.08.2021
12 :	-	ose: gradability cumulative potential	:	Result: Readily b	odegradable.
		onents:			
	metfor	min hydrochloride:	:	log Pow: -2	
	<b>Sitagli</b> Partitic octano	on coefficient: n-	:	log Pow: -0.03	
12.4	4 Mobili	ty in soil			
	Comp	onents:			
	Distrib	rmin hydrochloride: ution among environ- compartments	:	log Koc: 4.3 Method: OECD T	est Guideline 106
		-	:	log Koc: 4.37	
12.	5 Result	ts of PBT and vPvB a	sse	ssment	
	Produ Assess		:	to be either persis	nixture contains no components considered stent, bioaccumulative and toxic (PBT), or nd very bioaccumulative (vPvB) at levels of
12.6	6 Endoc	rine disrupting prope	ertie	S	
	<u>Produ</u> Assess		:	ered to have ende REACH Article 57	ixture does not contain components consid- ocrine disrupting properties according to 7(f) or Commission Delegated regulation or Commission Regulation (EU) 2018/605 at higher.

#### 12.7 Other adverse effects

No data available



Version	Revision Date:	SDS Number:	Date of last issue: 04.04.2023
4.1	30.09.2023	9371503-00006	Date of first issue: 27.08.2021

#### **SECTION 13:** Disposal considerations

13.1 Waste treatment methods	
Product	<ul> <li>Dispose of in accordance with local regulations.</li> <li>According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.</li> <li>Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.</li> <li>Do not dispose of waste into sewer.</li> </ul>
Contaminated packaging	<ul> <li>Empty containers should be taken to an approved waste han- dling site for recycling or disposal.</li> <li>If not otherwise specified: Dispose of as unused product.</li> </ul>

#### **SECTION 14: Transport information**

#### 14.1 UN number

ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.2 UN proper shipping name		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.3 Transport hazard class(es)		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.4 Packing group		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good

UK REACH Regulations SI 2019/758



### Sitagliptin / Metformin Extended Release Formulation

Version 4.1	Revision Date: 30.09.2023	SDS Number: 9371503-00006	Date of last issue: 04.04.2023 Date of first issue: 27.08.2021
ΙΑΤΑ	(Cargo)	: Not regulated a	s a dangerous good
IATA (Passenger)		: Not regulated a	s a dangerous good
<b>14.5 Environmental hazards</b> Not regulated as a dangerous good			
	al precautions for use	er	
<b>14.7 Trans</b> Rema	•	•	pol and the IBC Code for product as supplied.

#### **SECTION 15: Regulatory information**

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17) UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation	:	Not applicable Not applicable
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)	:	Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	:	Not applicable
UK REACH List of substances subject to authorisation (Annex XIV)	:	Not applicable
GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation	:	Not applicable
Control of Major Accident Hazards Regulations 2015 (CC Not applicable	MA	H)

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

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

#### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

#### **SECTION 16: Other information**

Other information	:	Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.
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### Sitagliptin / Metformin Extended Release Formulation

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Version	Revision Date: 30.09.2023	SDS Number:	Date of last issue: 04.04.2023
4.1		9371503-00006	Date of first issue: 27.08.2021

#### **Full text of H-Statements**

GB EH40 / TWA

GB EH40 / STEL

		Harmful if swallowed. Causes serious eye irritation.		
Full text of other abbreviations				
Acute Tox.	:	Acute toxicity		
Eye Irrit.	:	Eye irritation		
GB EH40	:	UK. EH40 WEL - Workplace Exposure Limits		

: Long-term exposure limit (8-hour TWA reference period) Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA -European Chemicals Agency; EC-Number - European Community number; 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; 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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; 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

#### **Further information**

Sources of key data used to	:	h
compile the Safety Data		е
Sheet		С

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

#### **Classification of the mixture:**

#### **Classification procedure:**



Version	Revision Date:	SDS Number:	Date of last issue: 04.04.2023	
4.1	30.09.2023	9371503-00006	Date of first issue: 27.08.2021	
Acute	e Tox. 4	H302	Calculation method	

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.

GB / EN