according to GB/T 16483 and GB/T 17519



Tedizolid Injection Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 2023/04/04
2.1	2023/09/30	657042-00020	Date of first issue: 2016/05/02

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Tedizolid Injection Formulation				
Manufacturer or supplier's details						
Company	:	MSD				
Address	:	199 Wenhai North Road HEDA, Hangzhou - Zhejiang Province - CHINA 310018				
Telephone	:	908-740-4000				
Emergency telephone number	:	86-571-87268110				
E-mail address	:	EHSDATASTEWARD@msd.com				
Recommended use of the chemical and restrictions on use						
Recommended use Restrictions on use	:	Pharmaceutical Not applicable				

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance Colour Odour	:	(lyophilised) white to off-white odourless
		n child. May cause damage to organs through prolonged or quatic life with long lasting effects.
GHS Classification		
Reproductive toxicity	:	Category 2
Specific target organ toxicity - repeated exposure	:	Category 2
Short-term (acute) aquatic hazard	:	Category 1
Long-term (chronic) aquatic hazard	:	Category 1

GHS label elements



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Hazar	rd pictograms		¥2
Signa	l word	: Warning	▼
Hazar	d statements	H373 May cau peated exposi	cted of damaging the unborn child. use damage to organs through prolonged or re- ure. cic to aquatic life with long lasting effects.
Preca	utionary statements	P202 Do not h and understoc P260 Do not b P273 Avoid re	preathe dust. lease to the environment. otective gloves/ protective clothing/ eye protec-
		Response: P308 + P313 attention. P391 Collect s	IF exposed or concerned: Get medical advice/
		Storage: P405 Store loo	cked up.
		Disposal:	of contents/ container to an approved waste
Physi	ical and chemical haz	ards	

Not classified based on available information.

Health hazards

Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.

Environmental hazards

Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Other hazards which do not result in classification

Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin. May form explosive dust-air mixture during processing, handling or other means.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture





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Components

Chemical name	CAS-No.	Concentration (% w/w)
Tedizolid Phosphate	856867-55-5	>= 50 -< 70

4. FIRST AID MEASURES

General advice	:	In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	:	If inhaled, remove to fresh air. Get medical attention.
In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
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. Get medical attention. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	:	Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure. Contact with dust can cause mechanical irritation or drying of the skin.
Protection of first-aiders	:	Dust contact with the eyes can lead to mechanical irritation. First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
Notes to physician	:	Treat symptomatically and supportively.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
Specific hazards during fire- fighting	:	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides





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Spec ods	ific extinguishing meth-	:	cumstances and t Use water spray t Remove undamag so.	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do	
	ial protective equipment efighters	:		e, wear self-contained breathing apparatus. tective equipment.	
6. ACCID	ENTAL RELEASE MEAS	SUF	RES		
tive e	Personal precautions, protec- tive equipment and emer- gency procedures		Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).		
Envii	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		tainer for disposal Avoid dispersal of with compressed Dust deposits sho es, as these may leased into the att Local or national u posal of this mate employed in the c mine which regula Sections 13 and 1	f dust in the air (i.e., clearing dust surfaces	

7. HANDLING AND STORAGE

Handling

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.
	Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as-

according to GB/T 16483 and GB/T 17519



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ŀ	Avoidance of contact		:	Keep container cl Keep away from h Take precautiona	neration and accumulation. osed when not in use. neat and sources of ignition. ry measures against static discharges. ent spills, waste and minimize release to the
5	Storag	9			
		ons for safe storage Is to avoid	:	Store locked up. Store in accordan	abelled containers. ce with the particular national regulations. the following product types:
·			•	Strong oxidizing a	••••••
F	Packag	ing material	:	Unsuitable materi	al: None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplac	•						
Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis			
Tedizolid Phosphate	856867-55-	5 TŴA	400 µg/m3 (OEB 2)	Internal			
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 equipm	ent						
Respiratory protection	 If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. 						
Filter type Eye/face protection	: Wear safet If the work mists or ae Wear a fac	Particulates type 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					
Skin and body protection Hand protection Material							
Hygiene measures		If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the work- ing place.					

Components with workplace control parameters

Version

according to GB/T 16483 and GB/T 17519

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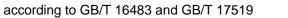


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			Wash contamina The effective op engineering con appropriate deg industrial hygien use of administr	not eat, drink or smoke. ated clothing before re-use. eration of a facility should include review of trols, proper personal protective equipment, owning and decontamination procedures, ie monitoring, medical surveillance and the ative controls.	
		ROP			
	arance		(lyophilised)		
Colou		:	white to off-whi	le	
Odou		:	odourless		
Odou	Threshold	:	No data availab	le	
рН		:	7.4 - 8.1		
Meltin	g point/freezing point	:	No data availab	le	
Initial range	boiling point and boiling	:	No data availat	le	
Flash	point	:	Not applicable		
Evapo	oration rate	:	Not applicable		
Flamn	nability (solid, gas)	:	: May form explosive dust-air mixture during processing, dling or other means.		
Flamn	Flammability (liquids) :		Not applicable		
	explosion limit / Upper ability limit	:	No data availat	le	
	explosion limit / Lower ability limit	:	No data availat	le	
Vapoι	ur pressure	:	Not applicable		
Relati	ve vapour density	:	Not applicable		
Relati	ve density	:	No data availat	le	
Densi	ty	:	No data availat	le	
	ility(ies) ater solubility	:	No data availat	le	
Partiti	on coefficient: n-	:	Not applicable		





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Auto-i	ol/water gnition temperature nposition temperature	: No data availa : No data availa	
	sity cosity, kinematic sive properties	: No data availa : Not explosive	able
	ing properties ular weight le size	 The substance No data availa No data availa 	

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

11. TOXICOLOGICAL INFORMATION

Exposure routes	: Inhalation Skin contact Ingestion Eye contact
Acute toxicity	

Not classified based on available information.

Components:

Tedizolid Phosphate:		
Acute oral toxicity	:	LD50 (Rat): > 2,000 mg/kg
		LD50 (Mouse): > 2,000 mg/kg
Acute toxicity (other routes of administration)	:	LD50 (Mouse): 256 - 274 mg/kg Application Route: Intravenous

according to GB/T 16483 and GB/T 17519



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LD50 (Rat): 244 mg/kg Application Route: Intravenous

LD50 (Dog): 200 mg/kg Application Route: Intravenous

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Components:

Tedizolid Phosphate:

Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES) Result: negative
		Test Type: Chromosome aberration test in vitro Result: positive
Genotoxicity in vivo	:	Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Result: negative
		Test Type: unscheduled DNA synthesis assay Species: Rat Result: negative
Germ cell mutagenicity - Assessment	:	Weight of evidence does not support classification as a germ cell mutagen.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Suspected of damaging the unborn child.

according to GB/T 16483 and GB/T 17519



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<u>Comp</u>	oonents:		
Tediz	olid Phosphate:		
Effects on fertility		Species: Rat, f Application Ro	ute: Oral L: 15 mg/kg body weight
		Test Type: Fer Species: Rat, r Application Ro Fertility: NOAE Result: No effe	nale ute: Oral L: 50 mg/kg body weight
Effects on foetal develop- ment		Species: Mous Application Ro Developmenta	
		Species: Rat Application Ro Developmenta	bryo-foetal development ute: Oral I Toxicity: LOAEL: 15 mg/kg body weight ed foetal weight, Skeletal malformations
		Species: Rat Application Ro Developmenta	bryo-foetal development ute: Oral I Toxicity: NOAEL: 2.5 mg/kg body weight ed foetal weight, Skeletal malformations
•	oductive toxicity - As- nent	: Some evidence animal experim	e of adverse effects on development, based nents.

STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Components:

Tedizolid Phosphate:

Target Organs	:	Bone marrow, Blood, Gastrointestinal tract
Assessment	:	May cause damage to organs through prolonged or repeated
		exposure.

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Repeated dose toxicity

Components:	
Tedizolid Phosphate: Species NOAEL Application Route Exposure time Target Organs	 Rat, female 10 mg/kg Oral 28 d Lymph nodes, thymus gland, Bone marrow
Species NOAEL Application Route Exposure time Target Organs	 Rat, male 30 mg/kg Oral 28 d Bone marrow, spleen, Lymph nodes, thymus gland
Species NOAEL Application Route Exposure time Target Organs	 Rat, female 15 mg/kg Intravenous 28 d Gastrointestinal tract
Species NOAEL Application Route Exposure time Target Organs	 Rat, male 30 mg/kg Intravenous 28 d Gastrointestinal tract
Species NOAEL LOAEL Application Route Exposure time	: Rat : 2 mg/kg : 5 mg/kg : Oral : 6 Months
Species NOAEL Application Route Exposure time Symptoms	 Dog 400 mg/kg Oral 28 d Vomiting

Aspiration toxicity

Not classified based on available information.

Experience with human exposure

Components:

Tedizolid Phosphate:

Inhalation

: Symptoms: Nausea, Headache, Diarrhoea, Vomiting, Dizziness



according to GB/T 16483 and GB/T 17519

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Ingest	ion DGICAL INFORMATION	:	Symptoms: Nat ness	usea, Headache, Diarrhoea, Vomiting, Dizzi-
Ecoto				
<u>Comp</u>	onents:			
Tediz	olid Phosphate:			
Toxici plants	ty to algae/aquatic	:	Exposure time:	na flos-aquae): 0.313 mg/l 72 h Test Guideline 201
			Exposure time:	ena flos-aquae): 0.0632 mg/l 72 h Test Guideline 201
	tor (Acute aquatic tox-	:	1	
icity) Toxici icity)	ty to fish (Chronic tox-	:	mg/l Exposure time:	ales promelas (fathead minnow)): 0.03175 32 d Test Guideline 210
	ty to daphnia and other c invertebrates (Chron-	:	NOEC (Daphni Exposure time:	a magna (Water flea)): 0.6 mg/l 21 d
	ctor (Chronic aquatic	:	1	
	y) ty to microorganisms	:		
Persis	stence and degradabili	ty		
Comp	onents:			
	olid Phosphate: gradability	:	Biodegradation Exposure time:	
Stabili	ty in water	:	Hydrolysis: 0 %	o(5 d)

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Bioaccumulative potential

Components:

Tedizolid Phosphate:

Partition coefficient: n-	:	log Pow: 1.3
octanol/water		

Mobility in soil

Components:

Tedizolid Phosphate:

Distribution among environ-	:	log Koc: 2.6
mental compartments		

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

Disposal	methods
----------	---------

Waste from residues	:	Do not dispose of waste into sewer.
		Dispose of in accordance with local regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste han- dling site for recycling or disposal.
		If not otherwise specified: Dispose of as unused product.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG UN number	:	UN 3077
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Tedizolid Phosphate)
Class	:	9
Packing group	÷	
Labels	÷	9
Environmentally hazardous	:	yes
IATA-DGR		
UN/ID No.	:	UN 3077
Proper shipping name	:	Environmentally hazardous substance, solid, n.o.s. (Tedizolid Phosphate)
Class	:	9
Packing group	:	III
Labels	:	Miscellaneous
Packing instruction (cargo aircraft)	:	956

according to GB/T 16483 and GB/T 17519



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ger a	ting instruction (passen- aircraft)	:	956	
Envi	ronmentally hazardous	:	yes	
IMD	G-Code			
UN r	number	:	UN 3077	
Prop	Proper shipping name		ENVIRONMEN N.O.S. (Tedizolid Phos	ITALLY HAZARDOUS SUBSTANCE, SOLID,
Clas	s	:	9	
Pack	king group	÷	Ш.	
Labe			9	
	Code		F-A, S-F	
	ne pollutant	:	yes	
	sport in bulk according	-		RPOL 73/78 and the IBC Code

National Regulations

:	UN 3077
:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
	(Tedizolid Phosphate)
:	9
:	III
:	9
:	no
	:

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. REGULATORY INFORMATION

National regulatory information Law on the Prevention and Control of Occupational Diseases

Yangtze River Protection Law

This product does not contain any dangerous chemicals prohibited for inland river transport.

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

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

according to GB/T 16483 and GB/T 17519



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16. OTHER INFORMATION

Revision Date	:	2023/09/30
Further information		
Sources of key data used to compile the Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/
Date format	:	yyyy/mm/dd

Full text of other abbreviations

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

Disclaimer

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 mate-





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rial 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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