



Caspofungin Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 2024/07/06
7.0	2024/09/28	24280-00027	Date of first issue: 2014/10/21

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Caspofungin Formulation			
Manufacturer or supplier's de	etai	ils			
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	:	powder off-white No data available
Causes serious eye damage. I with long lasting effects.	May	cause harm to breast-fed children. Very toxic to aquatic life
GHS Classification Serious eye damage/eye irri- tation	:	Category 1
Effects on or via lactation		
Short-term (acute) aquatic hazard	:	Category 1
Long-term (chronic) aquatic hazard	:	Category 1

GHS label elements



according to GB/T 16483 and GB/T 17519

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Hazar	d pictograms		
Signa	l word	: Danger	•
Hazar	d statements	H362 May	ses serious eye damage. cause harm to breast-fed children. v toxic to aquatic life with long lasting effects.
Preca	utionary statements	P260 Do r P263 Avoi P264 Was P270 Do r P273 Avoi	n: ain special instructions before use. not breathe dust. d contact during pregnancy/ while nursing. sh skin thoroughly after handling. not eat, drink or smoke when using this product. d release to the environment. ar eye protection/ face protection.
		water for s and easy CENTER/ P308 + P3 attention.	351 + P338 + P310 IF IN EYES: Rinse cautiously with several minutes. Remove contact lenses, if present to do. Continue rinsing. Immediately call a POISON
		Disposal: P501 Disp disposal p	ose of contents/ container to an approved waste lant.

Physical and chemical hazards

Not classified based on available information.

Health hazards

Causes serious eye damage. May cause harm to breast-fed children.

Environmental hazards

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

Other hazards which do not result in classification

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	
Components			
Chemical name		CAS-No.	Concentration (% w/w)



according to GB/T 16483 and GB/T 17519

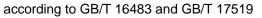
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Caspofungin	179463-17-3	>= 30 -< 50
Sucrose	57-50-1	>= 30 -< 50
Acetic acid	64-19-7	>= 1 -< 3

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	:	Get medical attention.
In case of skin contact	:	Wash with water and soap. Get medical attention.
In case of eye contact	:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention immediately.
If swallowed	:	Get medical attention.
Most important symptoms	:	Causes serious eye damage.
and effects, both acute and delayed		May cause harm to breast-fed children. Contact with dust can cause mechanical irritation or drying of the skin.
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.
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
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. Evacuate area.
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	cial protective equipment irefighters	:		e, wear self-contained breathing apparatus. tective equipment.
6. ACCII	DENTAL RELEASE MEA	SUF	RES	
tive	sonal precautions, protec- equipment and emer- cy procedures	:	Follow safe handl	tective equipment. ing advice (see section 7) and personal pro- recommendations (see section 8).
Env	ironmental precautions	:	Retain and dispos	akage or spillage if safe to do so. se of contaminated wash water. should be advised if significant spillages
	hods and materials for tainment and cleaning up	:	tainer for disposal Avoid dispersal of with compressed Dust deposits sho es, as these may leased into the atr Local or national r 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	 Avoid contact during pregnancy and while nursing. Do not breathe dust. Do not swallow. Do not get in 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 Keep container tightly closed.

according to GB/T 16483 and GB/T 17519



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Avoidance of contact		:	 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 environment. Oxidizing agents 	
Stor	age			
	ditions for safe storage	:	Keep tightly close Store in accordar	labelled containers. ed. nce with the particular national regulations. the following product types:
	kaging material	:	Strong oxidizing a	agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

the first of the transformed from the transformed f								
Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis				
Caspofungin	179463-17-3	TWA	140 µg/m3 (OEB 2)	Internal				
Sucrose	57-50-1	TWA	10 mg/m3	ACGIH				
Acetic acid	64-19-7	PC-TWA	10 mg/m3	CN OEL				
		PC-STEL	20 mg/m3	CN OEL				
		TWA	10 ppm	ACGIH				
		STEL	15 ppm	ACGIH				

Components with workplace control parameters

Engineering measures :	Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations. Apply measures to prevent dust explosions. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are de- signed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).
Personal protective equipmen	t
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 :	Combined particulates and organic vapour type
Eye/face protection :	Wear the following personal protective equipment: Chemical resistant goggles must be worn. If splashes are likely to occur, wear: Face-shield
Skin and body protection :	Select appropriate protective clothing based on chemical



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Hand	protoction		potential. Skin contact mus	nd an assessment of the local exposure t be avoided by using impervious protective aprons, boots, etc).
Hano	protection			
Material		:	Chemical-resistar	nt gloves
Re	emarks	: Choose gloves to protect hands against chemicals deper on the concentration and quantity of the hazardous sub- stance and specific to place of work. Breakthrough time i determined for the product. Change gloves often! For spe applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with th glove manufacturer. Wash hands before breaks and at th end of workday.		tion and quantity of the hazardous sub- fic to place of work. Breakthrough time is not e product. Change gloves often! For special recommend clarifying the resistance to aforementioned protective gloves with the
Hygie	ne measures	:	If exposure to che eye flushing syste ing place. When using do no	emical is likely during typical use, provide ems and safety showers close to the work- ot eat, drink or smoke. red clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Colour	:	off-white
Odour	:	No data available
Odour Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	May form explosive dust-air mixture during processing, han- dling or other means.
Flammability (liquids)	:	Not applicable
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower	:	No data available



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	flamma	bility limit			
	Vapour	pressure	:	Not applicable	
	Relative	e vapour density	:	Not applicable	
	Relativ	e density	:	No data available	e
	Density	/	:	No data available	9
	Solubili Wat	ity(ies) er solubility	:	No data available	e
	Partitio octanol	n coefficient: n-	:	Not applicable	
		nition temperature	:	No data available	9
	Decom	position temperature	:	No data available	9
	Viscosi Visc	ty cosity, kinematic	:	Not applicable	
	Explosi	ve properties	:	Not explosive	
	Oxidiziı	ng properties	:	The substance o	r mixture is not classified as oxidizing.
	Molecu	lar weight	:	No data available	e
	Minimu	m ignition energy	:	100 - 300 mJ	
				30 - 100 mJ	
	Particle Particle	e characteristics e size	:	No data available	e

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	:	Heat, flames and sparks. Avoid dust formation.
Incompatible materials Hazardous decomposition products	:	Oxidizing agents



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11. TOXICOLOGICAL INFORMATION

Exposure routes	:	Inhalation Skin contact Ingestion Eye contact	
Acute toxicity Not classified based on availa	ble	information.	
Product:			
Acute oral toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method	
Components:			
Caspofungin:			
Acute oral toxicity	:	LD50 (Mouse): > 2,000 mg/kg	
Acute toxicity (other routes of administration)	:	LD50 (Mouse): 19 mg/kg Application Route: Intravenous	
		LD50 (Rat): 38 mg/kg Application Route: Intravenous	
Sucrose:			
Acute oral toxicity	:	LD50 (Rat): 29,700 mg/kg	
Acetic acid:			
Acute oral toxicity	:	LD50 (Rat): > 2,000 - 5,000 mg/kg Remarks: Based on data from similar materials	
Acute inhalation toxicity	:	Assessment: Corrosive to the respiratory tract.	
Acute dermal toxicity	:	LD50 (Rabbit): > 5,000 mg/kg Remarks: Based on data from similar materials	
Skin corrosion/irritation			
Not classified based on availa	ble	information.	
Components:			
Caspofungin:			
Species Result	:	Rabbit Mild skin irritation	
Acetic acid:			
Species	:	Rabbit	



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ersion .0	Revision Date: 2024/09/28	SDS Number: 24280-00027	Date of last issue: 2024/07/06 Date of first issue: 2014/10/21
Resul	łt	: Corrosive afte	r 3 minutes or less of exposure
	us eye damage/eye		
	es serious eye damag	ge.	
Comp	oonents:		
	ofungin:		
Speci Resul		: Rabbit : Irreversible eff	ects on the eye
Metho		: Bovine cornea	
Aceti	c acid:		
Speci		: Rabbit	
Resul	lt	: Irreversible eff	ects on the eye
Resp	iratory or skin sensi	itisation	
-	sensitisation		
-	assified based on available	ailable information	
	iratory sensitisation		
Resp		1	
Respi Not cl Germ	iratory sensitisation assified based on ava	ailable information.	
Respi Not cl Germ	iratory sensitisation assified based on ava	ailable information.	
Respi Not cl Germ Not cl	iratory sensitisation assified based on ava	ailable information.	
Respi Not cl Germ Not cl <u>Com</u> r	iratory sensitisation lassified based on avain cell mutagenicity lassified based on avai	ailable information.	
Respi Not cl Germ Not cl <u>Comp</u>	iratory sensitisation lassified based on avain cell mutagenicity lassified based on avain conents:	ailable information. ailable information. : Test Type: Ch	romosomal aberration
Respi Not cl Germ Not cl <u>Comp</u>	iratory sensitisation lassified based on avain cell mutagenicity lassified based on avain ponents: ofungin:	ailable information. ailable information. : Test Type: Ch	Chinese hamster ovary cells
Respi Not cl Germ Not cl <u>Comp</u>	iratory sensitisation lassified based on avain cell mutagenicity lassified based on avain ponents: ofungin:	ailable information. ailable information. : Test Type: Ch Test system: C Result: negativ	Chinese hamster ovary cells
Respi Not cl Germ Not cl <u>Comp</u>	iratory sensitisation lassified based on avain cell mutagenicity lassified based on avain ponents: ofungin:	ailable information. ailable information. : Test Type: Ch Test system: C Result: negativ	Chinese hamster ovary cells /e cterial reverse mutation assay (AMES)
Respi Not cl Germ Not cl <u>Comp</u>	iratory sensitisation lassified based on avain cell mutagenicity lassified based on avain ponents: ofungin:	ailable information. ailable information. : Test Type: Ch Test system: C Result: negativ Test Type: Ba Result: negativ Test Type: Alk	Chinese hamster ovary cells /e cterial reverse mutation assay (AMES) /e aline elution assay
Respi Not cl Germ Not cl <u>Comp</u>	iratory sensitisation lassified based on avain cell mutagenicity lassified based on avain ponents: ofungin:	ailable information. ailable information. : Test Type: Ch Test system: C Result: negativ Test Type: Ba Result: negativ Test Type: Alk Test Type: Alk	Chinese hamster ovary cells /e cterial reverse mutation assay (AMES) /e aline elution assay at hepatocytes
Respi Not cl Germ Not cl <u>Comp</u>	iratory sensitisation lassified based on avain cell mutagenicity lassified based on avain ponents: ofungin:	ailable information. ailable information. : Test Type: Ch Test system: C Result: negativ Test Type: Ba Result: negativ Test Type: Alk Test system: r Result: negativ	Chinese hamster ovary cells /e cterial reverse mutation assay (AMES) /e aline elution assay at hepatocytes /e
Respi Not cl Germ Not cl <u>Comp</u>	iratory sensitisation lassified based on avain cell mutagenicity lassified based on avain ponents: ofungin:	ailable information. ailable information. : Test Type: Ch Test system: C Result: negativ Test Type: Ba Result: negativ Test Type: Alk Test system: r Result: negativ Test Type: Alk	Chinese hamster ovary cells /e cterial reverse mutation assay (AMES) /e aline elution assay at hepatocytes /e /itro mammalian cell gene mutation test
Respi Not cl Germ Not cl <u>Comp</u>	iratory sensitisation lassified based on avain cell mutagenicity lassified based on avain ponents: ofungin:	ailable information. ailable information. : Test Type: Ch Test system: C Result: negativ Test Type: Ba Result: negativ Test Type: Alk Test system: r Result: negativ Test Type: Alk	Chinese hamster ovary cells /e cterial reverse mutation assay (AMES) /e aline elution assay at hepatocytes /e vitro mammalian cell gene mutation test Chinese hamster fibroblasts
Respi Not cl Germ Comp Casp	iratory sensitisation lassified based on avaination cell mutagenicity lassified based on avaination <u>conents:</u> ofungin: toxicity in vitro	ailable information. ailable information. : Test Type: Ch Test system: C Result: negativ Test Type: Ba Result: negativ Test Type: Alk Test system: r Result: negativ Test Type: In v Test system: C Result: negativ	Chinese hamster ovary cells /e cterial reverse mutation assay (AMES) /e aline elution assay at hepatocytes /e /itro mammalian cell gene mutation test Chinese hamster fibroblasts /e
Respi Not cl Germ Comp Casp	iratory sensitisation lassified based on avain cell mutagenicity lassified based on avain ponents: ofungin:	ailable information. ailable information. : Test Type: Ch Test system: C Result: negativ Test Type: Ba Result: negativ Test Type: Alk Test system: r Result: negativ Test Type: In v Test system: C Result: negativ	Chinese hamster ovary cells /e cterial reverse mutation assay (AMES) /e aline elution assay at hepatocytes /e vitro mammalian cell gene mutation test Chinese hamster fibroblasts /e romosomal aberration



according to GB/T 16483 and GB/T 17519

ersion)	Revision Date: 2024/09/28	SDS Number: 24280-00027	Date of last issue: 2024/07/06 Date of first issue: 2014/10/21
Sucro Geno	ose: toxicity in vitro	· Test Type· I	n vitro mammalian cell gene mutation test
		Result: nega	
Aceti	c acid:		
Geno	toxicity in vitro	: Test Type: E Result: nega	Bacterial reverse mutation assay (AMES) ative
		Test Type: (Result: nega	Chromosome aberration test in vitro ttive
			DNA damage and repair, unscheduled DNA syn- mmalian cells (in vitro) ative
		Result: equi	n vitro mammalian cell gene mutation test vocal ased on data from similar materials
Geno	toxicity in vivo	cytogenetic Species: Ra Application Result: nega	t Route: inhalation (vapour)
	nogenicity assified based on ava	ailable information.	
<u>Com</u>	oonents:		
Aceti	c acid:		
Speci		: Mouse	
	cation Route sure time	: Skin contact : 32 weeks	
Resul		: negative	
•	oductive toxicity cause harm to breast-	fed children.	
-	oonents:		
Casp	ofungin:		
	s on fertility	Application Fertility: NO Result: No e	t, male and female Route: Intravenous injection AEL Parent: 5 mg/kg body weight ffects on fertility and early embryonic develop-
		ment were c	etected.

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Effec ment	ts on foetal develop-	Species: Rat Application R General Toxi Embryo-foeta Symptoms: A	mbryo-foetal development oute: Intravenous injection city Maternal: LOAEL: 5 mg/kg body weight Il toxicity: NOAEL F1: 2 mg/kg body weight bnormalities of the musculosketal system yotoxic effects and adverse effects on the off- letected.
		General Toxi Development	bit oute: Intravenous injection city Maternal: NOAEL: 3 mg/kg body weight al Toxicity: NOAEL F1: >= 6 mg/kg body weight yotoxic effects and adverse effects on the off-
Repro sessr	oductive toxicity - As- nent	: Studies indica od	ating a hazard to babies during the lactation peri-
Aceti	c acid:		
Effec ment	ts on foetal develop-	Species: Rat	mbryo-foetal development oute: Ingestion ive
	Γ - single exposure lassified based on avai	lable information.	
	F - repeated exposure lassified based on avail	lable information.	
Repe	ated dose toxicity		
Com	ponents:		
Casp	ofungin:		
Expo Numb	EL	: Monkey : 2 mg/kg : 5 mg/kg : Intravenous : 27 Weeks : daily : Liver	
Expo		: Rat : 1.8 mg/kg : Intravenous : 27 Weeks : Swelling of tis	ssue



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Species NOAEL	:	Rat
NOAEL	:	2 mg/kg
LOAEL Application Route	:	5 mg/kg
Application Route	:	Intravenous
Exposure time	:	14 Weeks
Number of exposures	:	daily
Exposure time Number of exposures Symptoms	:	Swelling of tissue

Acetic acid:

Species NOAEL	: Rat
NOAEL	: 290 mg/kg
Application Route	: Ingestion
Exposure time	: 8 Weeks

Aspiration toxicity

Not classified based on available information.

Components:

Caspofungin:

No aspiration toxicity classification

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Caspofungin:

Caspoluliyili.		
Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 2.4 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 22.6 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 0.1 mg/l Exposure time: 72 h
		NOEC (Pseudokirchneriella subcapitata (green algae)): 0.05 mg/l Exposure time: 72 h
M-Factor (Acute aquatic tox- icity)	:	10
Toxicity to fish (Chronic tox- icity)	:	NOEC (Pimephales promelas (fathead minnow)): 0.084 mg/l Exposure time: 32 d Method: OECD Test Guideline 210

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aqu	icity to daphnia and other atic invertebrates (Chron- xicity)	:	: NOEC (Daphnia magna (Water flea)): 0.67 mg/l Exposure time: 21 d Method: OECD Test Guideline 211		
	actor (Chronic aquatic city)	:	1		
	icity to microorganisms	:	EC50: > 127 mg/l Exposure time: 3 Test Type: Respin Method: OECD T	h	
			NOEC: 38 mg/l Exposure time: 3 Test Type: Respin Method: OECD T		
Ace	etic acid:				
Тох	icity to fish	:	Exposure time: 96	chus mykiss (rainbow trout)): > 100 mg/l 6 h on data from similar materials	
	icity to daphnia and other atic invertebrates	:	Exposure time: 48 Method: OECD T	nagna (Water flea)): > 100 mg/l 8 h est Guideline 202 on data from similar materials	
Tox plar	icity to algae/aquatic hts	•	Exposure time: 72	ema costatum (marine diatom)): > 100 mg/l 2 h on data from similar materials	
			Exposure time: 72	ema costatum (marine diatom)): > 1 mg/l 2 h on data from similar materials	
aqu	icity to daphnia and other atic invertebrates (Chron- pxicity)	:	NOEC (Daphnia i Exposure time: 2	magna (Water flea)): > 1 mg/l 1 d	
	icity to microorganisms	:	NOEC (Pseudom Exposure time: 10	onas putida): 1,150 mg/l 6 h	
Per	sistence and degradabili	ity			
	nponents:	-			

Caspofungin:

Biodegradability	: Result: Not readily biodegradable. Biodegradation: 71.9 % Exposure time: 28 d Method: OECD Test Guideline 302B
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II Stobil	ity in wotor		Degradation h				
Stabil	ity in water	•	: Degradation half life (DT50): 2.8 h				
Aceti	c acid:						
Biode	gradability	:	Result: Readily Biodegradation Exposure time				
Bioac	cumulative potentia	ıl					
Comp	oonents:						
Casp	ofungin:						
	on coefficient: n- ol/water	:	log Pow: -1.6				
Sucro	ose:						
	on coefficient: n- ol/water	:	Pow: < 1				
Aceti	c acid:						
	on coefficient: n- ol/water	:	log Pow: -0.17				
	ity in soil ta available						
	r adverse effects ta available						
13. DISPO	SAL CONSIDERATI	ONS					
Dispo	osal methods						
Waste	e from residues	:		e of waste into sewer.			
Conta	minated packaging	:	Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product				
4. TRANS	SPORT INFORMATIO	N					
Intern	national Regulations	i					
UNRT							
UN nu Prope	umber er shipping name	:	UN 3077	NTALLY HAZARDOUS SUBSTANCE, SOLID,			
riope		•	N.O.S.				
Class			(Caspofungin) 9)			
	ng group	:	9 				
Labels		:	9				



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Envi	ronmentally hazardous	:	yes	
UN/I	A-DGR D No. per shipping name	:	UN 3077 Environmentally h (Caspofungin)	nazardous substance, solid, n.o.s.
Clas Pack Labe	king group	:	9 III Miscellaneous	
aircr	,	:	956	
ger a	king instruction (passen- aircraft) ronmentally hazardous	:	956 yes	
IMD	G-Code		-	
-	number ber shipping name	:	UN 3077 ENVIRONMENTA N.O.S. (Caspofungin)	ALLY HAZARDOUS SUBSTANCE, SOLID,
Clas		:	9	
Pack Labe	king group	:	 9	
	S Code	÷	9 F-A, S-F	
	ne pollutant	:	yes	

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

Not applicable for product as supplied.

National Regulations

GB 6944/12268 UN number Proper shipping name	:	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Caspofungin)
Class	:	9
Packing group	:	III
Labels	:	9
Marine pollutant	:	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

Regulations on Safety Management of Hazardous Chemicals



according to GB/T 16483 and GB/T 17519

Version 7.0	Revision Date: 2024/09/28	SDS Number: 24280-00027	Date of last issue: 2024/07/06 Date of first issue: 2014/10/21
Cata	ogue of Hazardous Che	micals	: This product is not listed in the cata- logue of hazardous chemicals, but it meets the definition of hazardous chemicals and its principles of de- termination.
Ident 1821		Installations for Haz	ardous Chemicals (GB : Not listed
Haza SAW	rdous Chemicals for Pric S	prity Management ur	ider : Not listed
Regu	lations on Labour Pro	tection in Workplac	es where Toxic Substances are Used
Cata	ogue of Highly Toxic Ch	emicals	: Not listed
	Ilation of Environmenta Export of Toxic Chemic		the First Import of Chemicals and the Import
China	a Severely Restricted To Export		port : Not listed
II Regi	lation on the Administ	ration of Precurso	Chemicals
-	ogue and Classification		
N			
-	Itze River Protection La		micals prohibited for inland river transport.
	-		n the following inventories:
AICS	•	: not determined	-
DSL		: not determined	
IECS	С	: not determined	
16. OTHE	R INFORMATION		
Revis	sion Date	: 2024/09/28	
Furtl	ner information		
	ces of key data used to bile the Safety Data t		al data, data from raw material SDSs, OECD search results and European Chemicals Agen- europa.eu/
	where changes have be ment by two vertical lines		vious version are highlighted in the body of this
Date	format	: yyyy/mm/dd	
Full	ext of other abbreviation	ons	
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ACGI CN O		: Occupational	Threshold Limit Values (TLV) exposure limits for hazardous agents in the nemical hazardous agents.
ACGI CN O	H / TWA H / STEL ÞEL / PC-TWA ÞEL / PC-STEL	: Short-term exp : Permissible co	eighted average posure limit pncentration - time weighted average pncentration - short term exposure limit

SDS Number

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 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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