

Revision: 05/08/2017

	Section 1.	Identification of the Substance/Mixture and of th	ne Company/Undertaking					
.1	Product Code: Product Name:	21511 Lixivaptan	1 3 0					
	Synonyms:	•	epin-10(11H)-ylcarbonyl)phenyl]-5-fluoro-2-meth					
.2	Relevant identified uses of Relevant identified uses	of the substance or mixture and uses advised aga For research use only, not for human or vetering						
•		-	lary use.					
.3	Details of the Supplier of Company Name:	Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108						
	Web site address:	www.caymanchem.com						
	Information:	Cayman Chemical Company	+1 (734)971-3335					
.4	Emergency telephone nui	nber:						
	Emergency Contact:	CHEMTREC Within USA and Canada: CHEMTREC Outside USA and Canada:	+1 (800)424-9300 +1 (703)527-3887					
		Section 2. Hazards Identification	ation					
.1	Classification of the Subs	tenes er Misture.						
	GHS Signal Word: GHS Hazard Phrases:	Warning						
	H302: Harmful if swallow							
	GHS Precaution Phrase P264: Wash {hands} thor							
	GHS Response Phrases P301+312: IF SWALLOW P330: Rinse mouth.	s: /ED: Call a POISON CENTER or doctor/physician if	you feel unwell.					
	GHS Storage and Disposal Phrases: Please refer to Section 7 for Storage and Section 13 for Disposal information.							
2.3	Adverse Human Health							
2.3	Adverse Human Health Effects and Symptoms:	for Storage and Section 13 for Disposal information. Harmful if swallowed. Material may be irritating to the mucous membrane						
2.3		for Storage and Section 13 for Disposal information. Harmful if swallowed. Material may be irritating to the mucous membrane May be harmful by inhalation or skin absorption.	es and upper respiratory tract.					
2.3		for Storage and Section 13 for Disposal information. Harmful if swallowed. Material may be irritating to the mucous membrane	es and upper respiratory tract. n.					



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, , ,	S #       REACH Registrat         9-32-1       Benzamide, N-[3-chloro-4-(5H-py 0(11H)-ylcarbonyl)ph         Description of First Aid Measures:         In Case of Inhalation:	rrolo[2,1-c][1,4]benzodiazepin-1 enyl]-5-fluoro-2-methyl- Section 4. Fit Remove to fresh air. If not bre Get immediate medical attent	eathing, give artifici		GHS Classification Acute Tox.(O) 4: H302		
NA .1 [ ] ]	N-[3-chloro-4-(5H-py 0(11H)-ylcarbonyl)ph Description of First Aid Measures: In Case of Inhalation: In Case of Skin Contact:	Remove to fresh air. If not bre Get immediate medical attent Immediately wash skin with s	rst Aid Meas eathing, give artificia	NA Ures			
, , ,	Measures: In Case of Inhalation: In Case of Skin Contact:	Remove to fresh air. If not bre Get immediate medical attent Immediately wash skin with s	eathing, give artifici				
, , ,	Measures: In Case of Inhalation: In Case of Skin Contact:	Get immediate medical attent Immediately wash skin with s	tion.	al respiration or giv			
I	In Case of Skin Contact:	Get immediate medical attent Immediately wash skin with s	tion.	al respiration or given and the second se			
I		-			ve oxygen by trained personnel		
	In Case of Eye Contact:				5 minutes. Remove contaminate before reuse.		
I		Hold eyelids apart and flush e and tested by medical person		water for at least 1	5 minutes. Have eyes examine		
	In Case of Ingestion: Wash out mouth with water provided person is conscious. Never give anything by mouth to unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do medical personnel.						
		Section 5. Fire	Fighting Me	asures			
r L	Suitable Extinguishing Media: Unsuitable Extinguishing Media:	edia:       Use water spray to cool fire-exposed containers.         nsuitable Extinguishing       A solid water stream may be inefficient.					
.2 F	Flammable Properties and	<b>d</b> No data available.					
ŀ	Hazards:						
		No data available.					
F	Flash Pt:	No data.					
	Explosive Limits:	LEL: No data.	UEL: No d	lata.			
	Autoignition Pt:	No data.					
.3 F	lemand (NIOSH approved or nd eyes.						
		Section 6. Acciden	tal Release	Measures			
F	Protective Precautions,Avoid raising and breathing dust, and provide adequate ventilation.Protective Equipment andAs conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respiratEmergency Procedures:and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).						
	Environmental Precautions:						
(		Contain spill and collect, as a <b>g</b> Transfer to a chemical waste		osal in accordance	with local regulations.		



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		Section 7. Handling and Storage						
7.1		Avoid breathing dust/fume/gas/mist/vapours/spray.						
	0	Avoid prolonged or repeated exposure.						
7.2	Precautions To Be Taken							
	in Storing:	Store in accordance with information listed on the product insert.						
	Section	on 8. Exposure Controls/Personal Protection						
8.1	Exposure Parameters:							
8.2	Exposure Controls:							
8.2.1		Jse process enclosures, local exhaust ventilation, or other engineering controls to control airborne						
	(Ventilation etc.):	levels below recommended exposure limits.						
8.2.2	Personal protection equipn	nent:						
	Eye Protection:	Safety glasses						
	Protective Gloves:	Compatible chemical-resistant gloves						
	Other Protective Clothing:							
	Respiratory Equipment	NIOSH approved respirator, as conditions warrant.						
	(Specify Type):							
	Work/Hygienic/Maintenan							
		Facilities storing or utilizing this material should be equipped with an eyewash and a safety show Wash thoroughly after handling.						
	٢	No data available.						
	Se	ction 9. Physical and Chemical Properties						
9.1	Information on Basic Physical and Chemical Properties							
	Physical States:	[]Gas []Liquid [X]Solid						
	Appearance and Odor:	A crystalline solid						
	рН:	No data.						
	Melting Point:	No data.						
	Boiling Point:	No data.						
	Flash Pt:	No data.						
	Evaporation Rate:	No data.						
	Flammability (solid, gas):	No data available.						
	Explosive Limits:	LEL: No data. UEL: No data.						
	Vapor Pressure (vs. Air or i	mm No data.						
	Hg):							
	Vapor Density (vs. Air = 1):							
	Specific Gravity (Water = 1)	No data. No data.						
	Solubility in Water:							
	Solubility Notes:	~0.33 mg/ml in a 1:2 solution of DMSO:PBS (pH 7.2); ~10 mg/ml in EtOH; ~30 mg/ml in DMSO & DMF;						
	Octanol/Water Partition	No data.						
	Coefficient:							

Multi-region format



	<b>Hen</b>									
	Autoigni	tion Pt:	1	No data.						
	-	osition Temperat		vo data.						
	Viscosity	/:	1	No data.						
9.2	Other Info	ormation								
	Percent V	Volatile:	1	No data.						
	Molecula	r Formula & Weig	ght: (	C27H21CIF	N3O2	473.9				
			Se	ction 1	0. Sta	bility and	Reactiv	/ity		
10.1	Reactivit	у:	No data	available.						
10.2	Stability:		Unstable	e[] S	table [ X	]				
10.3	Stability	Note(s):	Stable if	stored in a	ccordanc	ce with inform	ation listed c	n the product	insert.	
	Polymeri	zation:	Will occu	ur[] V	Vill not o	ccur [ X ]				
10.4	Conditio	ns To Avoid:	No data	available.						
10.5	Incompa	tibility - Materials	strong o	xidizing age	ents					
	To Avoid	:								
10.6	Hazardou	us	carbon o	lioxide						
	-	osition or		nonoxide						
	Byprodu	cts:		n chloride						
				n fluoride						
			nitrogen	oxides						
			-				Informa	tion		
			Sec	tion 11	. Toxi	cological	SULIOUUI	llion		
11.1	Informati	ion on						thoroughly st	udied.	
11.1		ion on gical Effects:							udied.	
11.1 CAS ;	Toxicolo		The toxi	cological ef	fects of t				udied.	OSHA
CAS	<b>Toxicolo</b> # 79-32-1	gical Effects: Hazardous Com Benzamide,	The toxic ponents	cological ef (Chemical	fects of t Name)	his product ha	NTP	thoroughly st		OSHA n.a.
CAS	<b>Toxicolo</b> # 79-32-1	gical Effects: Hazardous Com Benzamide, N-[3-chloro-4-(5H	The toxi ponents I-pyrrolo[2	cological ef (Chemical 2,1-c][1,4]be	fects of t Name)	his product ha	NTP	thoroughly st	ACGIH	_
CAS	<b>Toxicolo</b> # 79-32-1	gical Effects: Hazardous Com Benzamide,	The toxi ponents I-pyrrolo[2	cological ef (Chemical 2,1-c][1,4]be	fects of t Name)	his product ha	NTP	thoroughly st	ACGIH	_
CAS	<b>Toxicolo</b> # 79-32-1	gical Effects: Hazardous Com Benzamide, N-[3-chloro-4-(5H	The toxi ponents I-pyrrolo[2 I]-5-fluoro	cological ef (Chemical 2,1-c][1,4]be -2-methyl-	fects of t <b>Name)</b> enzodiaz	his product ha	NTP	thoroughly st IARC n.a.	ACGIH	_
CAS	<b>Toxicolo</b> # 79-32-1	gical Effects: Hazardous Com Benzamide, N-[3-chloro-4-(5H ylcarbonyl)phenyl	The toxic ponents I-pyrrolo[2 I]-5-fluoro Se Avoid re	cological ef (Chemical 2,1-c][1,4]be -2-methyl- ection 1 lease into t	fects of t Name) enzodiaz 2. Ecc he envirc	his product ha epin-10(11H)- Dlogical I	NTP n.a.	thoroughly st IARC n.a. ON	ACGIH	_
<b>CAS</b> 1680	<b>Toxicolo</b> # 79-32-1	gical Effects: Hazardous Com Benzamide, N-[3-chloro-4-(5H ylcarbonyl)phenyl	The toxic ponents I-pyrrolo[2 I]-5-fluoro Se Avoid re Runoff fi	Cological ef (Chemical 2,1-c][1,4]be -2-methyl- ection 1 lease into the theorem fire correct	fects of t Name) enzodiaz 2. Ecc he envirc	epin-10(11H)	NTP n.a.	thoroughly st IARC n.a. ON	ACGIH	_
CAS : 1680	Toxicolo # 79-32-1 Toxicity: Persister	gical Effects: Hazardous Com Benzamide, N-[3-chloro-4-(5H ylcarbonyl)phenyl	The toxic ponents I-pyrrolo[2 I]-5-fluoro Se Avoid re Runoff fi	cological ef (Chemical 2,1-c][1,4]be -2-methyl- ection 1 lease into t	fects of t Name) enzodiaz 2. Ecc he envirc	his product ha epin-10(11H)- Dlogical I	NTP n.a.	thoroughly st IARC n.a. ON	ACGIH	_
<b>CAS</b> 1680	Toxicolo # 79-32-1 Toxicity:	gical Effects: Hazardous Com Benzamide, N-[3-chloro-4-(5H ylcarbonyl)phenyl	The toxic ponents I-pyrrolo[2 I]-5-fluoro Se Avoid re Runoff fi	Cological ef (Chemical 2,1-c][1,4]be -2-methyl- ection 1 lease into the theorem fire correct	fects of t Name) enzodiaz 2. Ecc he envirc	his product ha epin-10(11H)- Dlogical I	NTP n.a.	thoroughly st IARC n.a. ON	ACGIH	_
CAS ; 1680 12.1 12.2	Toxicolo # 79-32-1 Toxicity: Persister	gical Effects: Hazardous Com Benzamide, N-[3-chloro-4-(5H ylcarbonyl)phenyl	The toxic ponents I-pyrrolo[2 I]-5-fluoro Se Avoid re Runoff fi No data	Cological ef (Chemical 2,1-c][1,4]be -2-methyl- ection 1 lease into the theorem fire correct	fects of t Name) enzodiaz 2. Ecc he envirc	his product ha epin-10(11H)- Dlogical I	NTP n.a.	thoroughly st IARC n.a. ON	ACGIH	_
CAS ; 1680 12.1 12.2	Toxicolo # 79-32-1 Toxicity: Persister Degradal	gical Effects: Hazardous Com Benzamide, N-[3-chloro-4-(5H ylcarbonyl)phenyl hce and bility: mulative	The toxic ponents I-pyrrolo[2 I]-5-fluoro Se Avoid re Runoff fi No data	cological ef (Chemical 2,1-c][1,4]be -2-methyl- ection 1 lease into the rom fire cor available.	fects of t Name) enzodiaz 2. Ecc he envirc	his product ha epin-10(11H)- Dlogical I	NTP n.a.	thoroughly st IARC n.a. ON	ACGIH	_
CAS : 1680	Toxicolo # 79-32-1 Toxicity: Persister Degradal Bioaccur	gical Effects: Hazardous Com Benzamide, N-[3-chloro-4-(5H ylcarbonyl)phenyl nce and bility: mulative	The toxic ponents I-pyrrolo[2 I]-5-fluoro Se Avoid re Runoff fi No data No data	cological ef (Chemical 2,1-c][1,4]be -2-methyl- ection 1 lease into the rom fire cor available.	fects of t Name) enzodiaz 2. Ecc he envirc	his product ha epin-10(11H)- Dlogical I	NTP n.a.	thoroughly st IARC n.a. ON	ACGIH	_
CAS ; 1680 12.1 12.2 12.3	Toxicolo # 79-32-1 Toxicity: Persister Degradal Bioaccur Potential Mobility	gical Effects: Hazardous Com Benzamide, N-[3-chloro-4-(5H ylcarbonyl)phenyl nce and bility: mulative	The toxic ponents I-pyrrolo[2 I]-5-fluoro Se Avoid re Runoff fi No data No data No data	cological ef (Chemical 2,1-c][1,4]be -2-methyl- ection 1 lease into the rom fire cor available. available. available.	fects of t Name) enzodiaz 2. Ecc he envirc	his product ha epin-10(11H)- Dlogical I	NTP n.a.	thoroughly st IARC n.a. ON	ACGIH	_
CAS ; 1680 12.1 12.2 12.3 12.4	Toxicolo # 79-32-1 Toxicity: Persister Degradal Bioaccur Potential Mobility	gical Effects: Hazardous Com Benzamide, N-[3-chloro-4-(5H ylcarbonyl)phenyl hce and bility: mulative : in Soil: of PBT and vPvB	The toxic ponents I-pyrrolo[2 I]-5-fluoro Se Avoid re Runoff fi No data No data No data	cological ef (Chemical 2,1-c][1,4]be -2-methyl- ection 1 lease into the rom fire cor available. available. available.	fects of t Name) enzodiaz 2. Ecc he envirc	his product ha epin-10(11H)- Dlogical I	NTP n.a.	thoroughly st IARC n.a. ON	ACGIH	_



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	Section 13. Dispos	al Considera	ations				
<b>3.1 Waste Disposal Method:</b> Dispose in accordance with local, state, and federal regulations.							
	Section 14. Trans	sport Informa	ation				
TRANSPORT (US	DOT):						
er Shipping Name rd Class: mber:	Not dangerous goods.						
TRANSPORT (Eur	opean ADR/RID):						
Shipping Name: er: ass:	Not dangerous goods.						
ANSPORT (ICAO/	IATA):						
A Shipping Name:	Not dangerous goods.						
ansport	Transport in accordance with loo	cal, state, and fede	ral regulations.				
	Section 15. Regul	atory Inform	ation				
uperfund Amendn	nents and Reauthorization Act of	of 1986) Lists					
Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)			
168079-32-1Benzamide, N-[3-chloro-4-(5H-pyrrolo[2,1-c][1,4]benzodiazepi n-10(11H)-ylcarbonyl)phenyl]-5-fluoro-2-methyl-			No	No			
Hazardous Com	ponents (Chemical Name)	Other US EPA or State Lists					
ormation	This SDS was prepared in accor No.1272/2008.	rdance with 29 CFF	R 1910.1200 and R	egulation (EC)			
	Section 16. Oth	er Information	on				
:	05/08/2017						
ormation About	No data available.						
cy or Disclaimer:	DISCLAIMER: This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.						
	TRANSPORT (US er Shipping Name rd Class: mber: TRANSPORT (Eur Shipping Name: er: ass: ANSPORT (ICAO/ A Shipping Name: ansport Uperfund Amendin Hazardous Com Benzamide, N-[3-chloro-4-(5H n-10(11H)-ylcarb Benzamide, N-[3-chloro-4-(5H n-10(11H)-ylcarb Benzamide, N-[3-chloro-4-(5H n-10(11H)-ylcarb Tormation	Disposal Method: Dispose in accordance with loca Section 14. Trans TRANSPORT (US DOT): er Shipping Name: Not dangerous goods. rd Class: mber: TRANSPORT (European ADR/RID): Shipping Name: Not dangerous goods. er: ass: ANSPORT (ICAO/IATA): A Shipping Name: Not dangerous goods. ansport Transport in accordance with loc Section 15. Regul uperfund Amendments and Reauthorization Act of Hazardous Components (Chemical Name) Benzamide, N-[3-chloro-4-(5H-pyrrolo[2,1-c][1,4]benzodiazepi n-10(11H)-ylcarbonyl)phenyl]-5-fluoro-2-methyl- 1-10(11H)-ylcarbonyl)phenyl]-5-fluoro-2-methyl- Benzamide, N-[3-chloro-4-(5H-pyrrolo[2,1-c][1,4]benzodiazepi n-10(11H)-ylcarbonyl)phenyl]-5-fluoro-2-methyl- formation This SDS was prepared in acco No.1272/2008. Section 16. Oth Cy or Disclaimer: DISCLAIMER: This information in currently available to us. Howev express or implied, with respect use. Users should make their or	Disposal Method:       Dispose in accordance with local, state, and federa         Section 14. Transport Information         TRANSPORT (US DOT):       er Shipping Name:       Not dangerous goods.         rd Class:       mber:       TRANSPORT (European ADR/RID):         Shipping Name:       Not dangerous goods.         ar:       ass:         ANSPORT (ICAO/IATA):       A Shipping Name:       Not dangerous goods.         A Shipping Name:       Not dangerous goods.         ar:       ass:         ANSPORT (ICAO/IATA):       Not dangerous goods.         A Shipping Name:       Not dangerous goods.         uperfund Amendments and Reauthorization Act of 1986) Lists       Hazardous Components (Chemical Name)       S. 302 (EHS)         Benzamide,       No       No       No         N-[3-chloro-4-(5H-pyrrolo[2,1-c][1,4]benzodiazepi n-10(11H)-ylcarbonyl)phenyl]-5-fluoro-2-methyl-       No       CAA HAP,ODC:         No.1272/2008.       PROP.65: No       No       CAA HAP,ODC:         Section 16. Other Information       No (ata available.       Section 16. Other Information         Socy or Disclaimer:       DISCLAIMER: This information is believed to be ac currently available to us. However, we make now a express or implied, with respect to such informatior use. Users should make their own investigations to use.	Section 14. Transport Information         TRANSPORT (US DOT):         er Shipping Name: Not dangerous goods.         rol dangerous goods.         TRANSPORT (European ADR/RID):         Shipping Name: Not dangerous goods.         TRANSPORT (European ADR/RID):         Shipping Name: Not dangerous goods.         ar:         ass:         ANSPORT (ICAO/IATA):         Not dangerous goods.         ITransport in accordance with local, state, and federal regulations.         Dection 15. Regulatory Information         uperfund Amendments and Reauthorization Act of 1986) Lists         Hazardous Components (Chemical Name)       S. 302 (EHS)       S. 304 RQ         Benzamide,       No       No       No         N-3-chloro-4-(5H-pyrrolo[2,1-c][1,4]benzodiazepi n-10(11H)-ylcarbonyl)phenyl]-5-fluoro-2-methyl-i       CAA HAP,ODC: No; CWA NPDES PROP.65: No         PROP.65: No         Section 16. Other Information         No 132/22/208         Section 16. Other Information         Section 16. Other Information         No 25/08/2017			

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