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Revision:	03/05/2018
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		ding to Regulation (EC) No. 1907/2006 as amended by (E	o Compony//Indortol/ing				
	Section 1. Id	entification of the Substance/Mixture and of the	e Company/Undertaking				
.1	Product Code:	23663					
	Product Name:	Histrelin (acetate)					
	Synonyms:	6-[1-(phenylmethyl)-D-histidine]-9-(N-ethyl-L-pro					
		factor (swine), acetate; [des-Gly10,D-His(BzI)6]	-				
		[Des-Gly10,D-His(Bzl)6,Pro-NHEt9]-LHRH; [(im	1821)-d-HIS6,Pro9-NETJ-LHRH;				
2	Relevant identified uses of the substance or mixture and uses advised against:						
	Relevant identified uses: For research use only, not for human or veterinary use.						
3	Details of the Supplier of the	-					
	Company Name:	Cayman Chemical Company					
		1180 E. Ellsworth Rd.					
	Web site address:	Ann Arbor, MI 48108 www.caymanchem.com					
	Information:	Cayman Chemical Company	+1 (734)971-3335				
4	Emergency telephone numb Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300				
	Emergency Contact.	CHEMTREC Outside USA and Canada:	+1 (703)527-3887				
		Section 2. Hazards Identifica	ation				
2	Acute Toxicity: Inhalation Respiratory Sensitization, Skin Sensitization, Catego Label Elements:	Category 1					
2	Respiratory Sensitization, Skin Sensitization, Catego	Category 1					
2	Respiratory Sensitization, Skin Sensitization, Catego	Category 1					
2	Respiratory Sensitization, Skin Sensitization, Catego Label Elements:	, Category 1 bry 1					
2	Respiratory Sensitization, Skin Sensitization, Catego Label Elements: GHS Signal Word: GHS Hazard Phrases: H317: May cause an allergi	, Category 1 ory 1 Danger					
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2.3	Advore	e Human Health	Harmful if inhaled.				
2.5	Effects and Symptoms:		Material may be irritating to the mucous membranes and upper respiratory tract. May be harmful by ingestion, or skin absorption. May cause allergy or asthma symptoms or breathing difficulties if inhaled.				
				• •	ing difficulties if I	nnaled.	
			May cause an allergic skin re				
			May cause eye, skin, or resp				
			I o the best of our knowledge	e, the toxicological pro-	operties have no	t been thoroughly investigated.	
		Sect	tion 3. Composition	/Information o	on Ingredie	nts	
CAS : RTEC		Hazardous Comp REACH Registra	oonents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	GHS Classification	
22081	0-26-4	Histrelin (acetate)		100.0 %	686-279-5	Skin Sens. 1: H317	
NA					NA	Acute Tox.(I) 4: H332	
						Resp. Sens. 1: H334	
			Section 4. Fi	rst Aid Measu	ires		
4.1	Descrip	otion of First Aid					
	Measur	'es:					
	In Case	e of Inhalation:			respiration or given	ve oxygen by trained personnel.	
			Get immediate medical attent				
	In Case	of Skin Contact:					
			clothing. Get medical attention if symptoms occur. Wash clothing before reuse.				
	In Case	e of Eye Contact:	• •		ater for at least 1	5 minutes. Have eyes examined	
			and tested by medical personnel.				
	In Case	of Ingestion:	Wash out mouth with water provided person is conscious. Never give anything by mouth to an				
				dical attention. Do No	J1 induce vomitii	ng unless directed to do so by	
			medical personnel.				
			Section 5. Fire				
5.1	Suitabl	e Extinguishing	Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.				
	Media:		Use water spray to cool fire-exposed containers.				
	Unsuitable Extinguishing A solid water stream may be inefficient.						
	Media:						
5.2	Flamma	able Properties an	dNo data available.				
	Hazards:						
			No data available.				
	Flash P	Yt:	No data.				
	Explos	ive Limits:	LEL: No data.	UEL: No da	ta.		
	Autoig	nition Pt:	No data.				
5.3	Fire Fig	hting Instructions	s: As in any fire, wear self-conta	ained breathing appa	aratus pressure-d	emand (NIOSH approved or	
	-	, 0	equivalent), and full protectiv		-		
				c		-	



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	Section 6. Accidental Release Measures					
6.1	Protective Precautions, Avoid raising and breathing dust, and provide adequate ventilation.					
	Protective Equipment and As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,					
	Emergency Procedures:	and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).				
6.2	Environmental	Take steps to avoid release into the environment, if safe to do so.				
	Precautions:					
6.3	Methods and Material For	Contain spill and collect, as appropriate.				
	Containment and Cleaning	Transfer to a chemical waste container for disposal in accordance with local regulations.				
	Up:					
		Section 7. Handling and Storage				
7.1	Precautions To Be Taken	Avoid breathing dust/fume/gas/mist/vapours/spray.				
	in Handling:	Avoid prolonged or repeated exposure.				
7.2	Precautions To Be Taken	Keep container tightly closed.				
	in Storing:	Store in accordance with information listed on the product insert.				
	Secti	on 8. Exposure Controls/Personal Protection				
8.1	Exposure Parameters:					
8.2	Exposure Controls:					
8.2.1	Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne				
	(Ventilation etc.):	evels below recommended exposure limits.				
8.2.2	Personal protection equip	nent:				
	Eye Protection: Safety glasses					
	Protective Gloves: Compatible chemical-resistant gloves					
Other Protective Clothing:Lab coat						
	Respiratory Equipment	NIOSH approved respirator, as conditions warrant.				
	(Specify Type):					
	Work/Hygienic/Maintenan	Do not take internally.				
	ce Practices: Facilities storing or utilizing this material should be equipped with an eyewash and a safety showed					
		Wash thoroughly after handling.				
		No data available.				
	Se	ction 9. Physical and Chemical Properties				
9.1	Information on Basic Physi	cal and Chemical Properties				
	Physical States:	[]Gas []Liquid [X]Solid				
	Appearance and Odor:	A crystalline solid				
	pH:	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	mm No data.				
	Hg):					
	Vapor Density (vs. Air = 1):	No data.				
		Multi-region format				



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	HEMICAL								
	Specific	Gravity (Water =	1): No data.						
	Solubility in Water:		No data.						
	Solubility Notes: Octanol/Water Partition		~10 mg/ml in PBS (pH 7.2); ~0.25 mg/ml in EtOH; ~30 mg/ml in DMSO & DMF; No data.						
	Coefficie	ent:							
	Autoigni	tion Pt:	No data.						
	Decomposition Temperatu								
	Viscosity	-	No data.						
9.2	Other Inf	-							
	Percent	Volatile:	No data.						
	Molecular Formula & Weig								
			Section 10. S	tability and	Reacti	vitv			
10.1	Reactivi	tv:	No data available.			,			
10.2	Stability	-	Unstable [] Stable	[X]					
10.3	Stability		Stable if stored in accord		tion listed	on the product	insert.		
	Polymer	ization:	Will occur [] Will no	ot occur [X]					
10.4	Conditio	ons To Avoid:	No data available.						
10.5	Incompa	tibility - Materials	No data available.						
	To Avoid	-							
10.6	Hazardo	us	No data available.						
	Decomp	osition or							
	Byprodu								
			Section 11. To	xicological	Inform	ation			
11.1	Informat	ion on	The toxicological effects	•			udied		
		gical Effects:				in there dignify of			
CAS #		-	ponents (Chemical Name	o)	NTP	IARC	ACGIH	OSHA	
	" 10-26-4			6)					
2200	10-20-4	Histrelin (acetate)			n.a.	n.a.	n.a.	n.a.	
			Section 12. E		format	ion			
12.1	Toxicity	:	Avoid release into the environment.						
			Runoff from fire control or dilution water may cause pollution.						
12.2	Persiste	nce and	No data available.						
	Degrada	bility:							
12.3	Bioaccu	mulative	No data available.						
	Potentia	l:							
12.4	4 Mobility in Soil: No data avai		No data available.						
12.5 Results of PBT and vPvB No data available.									
	assessment:								
12.6	Other ad	lverse effects:	No data available.						

Multi-region format



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		Section 13. Dispos	al Considerat	ions			
13.1 Waste D	isposal Method:	Dispose in accordance with loca	al, state, and federal r	egulations.			
		Section 14. Trans	sport Informat	ion			
14.1 LAND T	RANSPORT (US	DOT):					
DOT Prope	er Shipping Name	Not dangerous goods.					
DOT Hazar	d Class:						
UN/NA Nur	nber:						
14.1 LAND T	RANSPORT (Eur	opean ADR/RID):					
	hipping Name:	Not dangerous goods.					
UN Numbe							
Hazard Cla							
	ANSPORT (ICAO/						
	Shipping Name:			Irogulations			
Additional Tra	nsport	Transport in accordance with lo	cal, state, and federa	i regulations.			
		Continue 45 Decivit	otom / listomor -	tion			
		Section 15. Regul	•	lion			
	1	nents and Reauthorization Act of	I				
CAS #		ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)		
220810-26-4	Histrelin (acetate	9)	No	No	No		
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or S	State Lists			
220810-26-4 Histrelin (acetate)			CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No				
Regulatory Info	ormation	This SDS was prepared in acco	ordance with 29 CFR 1910.1200 and Regulation (EC)				
Statement:		No.1272/2008.					
		Section 16. Oth	ner Information	า			
Revision Date:		03/05/2018					
Additional Info	rmation About	No data available.					
This Product:							
Company Polic	y or Disclaimer:	DISCLAIMER: This information	is believed to be accu	arate and represents	the best information		
currently available to us. Ho							
		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.					