

SAFETY DATA SHEET Leuprorelin (acetate)

Revision: 07/31/2017

	acc	ording to Regulation (EC) No. 1907/2006 as amended by	(EC) NO. 1272/2008				
	Section 1. Identification of the Substance/Mixture and of the Company/Undertaking						
.1	Product Code: Product Name: Synonyms:	22275 Leuprorelin (acetate) 6-D-leucine-9-(N-ethyl-L-prolinamide)-1-9-lutei monoacetate; Eligard®; Leuprolide; Lupron; Pr	nizing hormone-releasing factor (swine),				
.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 Safety Data Sheet:						
	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 nur	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	tance or Mixture:					
	Toxic To Reproduction,	Category 1B					
	Toxic To Reproduction, Category 1B						
2.2	Label Elements:						
2.2	GHS Signal Word:	Danger					
2.2	GHS Signal Word: GHS Hazard Phrases:	-					
2.2	GHS Signal Word: GHS Hazard Phrases: H360: May damage fertilit	ty or the unborn child.					
2.2	GHS Signal Word: GHS Hazard Phrases: H360: May damage fertilit GHS Precaution Phrase	ty or the unborn child. s:					
2.2	GHS Signal Word: GHS Hazard Phrases: H360: May damage fertilit GHS Precaution Phrase P201: Obtain special inst	ty or the unborn child. s:	ood.				
2.2	GHS Signal Word: GHS Hazard Phrases: H360: May damage fertilit GHS Precaution Phrase P201: Obtain special instr P202: Do not handle until	ty or the unborn child. s: ructions before use.					
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2.2	GHS Signal Word: GHS Hazard Phrases: H360: May damage fertilit GHS Precaution Phrase P201: Obtain special instu P202: Do not handle until P280: Wear {protective gl GHS Response Phrases	ty or the unborn child. s: ructions before use. all safety precautions have been read and understo oves/protective clothing/eye protection/face protecti					
2.2	GHS Signal Word: GHS Hazard Phrases: H360: May damage fertilit GHS Precaution Phrase P201: Obtain special instu P202: Do not handle until P280: Wear {protective gl GHS Response Phrases	ty or the unborn child. s: ructions before use. all safety precautions have been read and understo oves/protective clothing/eye protection/face protecti concerned: Get medical attention/advice.					
2.2	GHS Signal Word: GHS Signal Word: GHS Hazard Phrases: H360: May damage fertilit GHS Precaution Phrases P201: Obtain special instu P202: Do not handle until P280: Wear {protective gl GHS Response Phrases P308+313: IF exposed or GHS Storage and Dispo	ty or the unborn child. s: ructions before use. all safety precautions have been read and understo oves/protective clothing/eye protection/face protecti concerned: Get medical attention/advice.	on}.				
	GHS Signal Word: GHS Signal Word: GHS Hazard Phrases: H360: May damage fertilit GHS Precaution Phrases P201: Obtain special instu P202: Do not handle until P280: Wear {protective gl GHS Response Phrases P308+313: IF exposed or GHS Storage and Dispo	ty or the unborn child. s: ructions before use. all safety precautions have been read and understo oves/protective clothing/eye protection/face protecti :: concerned: Get medical attention/advice. sal Phrases:	on}.				
	GHS Signal Word: GHS Hazard Phrases: H360: May damage fertilit GHS Precaution Phrase P201: Obtain special inst P202: Do not handle until P280: Wear {protective gl GHS Response Phrases P308+313: IF exposed or GHS Storage and Dispo Please refer to Section 7	ty or the unborn child. s: ructions before use. all safety precautions have been read and understo oves/protective clothing/eye protection/face protecti s: concerned: Get medical attention/advice. sal Phrases: for Storage and Section 13 for Disposal information.	on}. es and upper respiratory tract.				
2.2	GHS Signal Word: GHS Signal Word: GHS Hazard Phrases: H360: May damage fertilit GHS Precaution Phrases P201: Obtain special instu P202: Do not handle until P280: Wear {protective gl GHS Response Phrases P308+313: IF exposed or GHS Storage and Dispo Please refer to Section 7 Adverse Human Health	ty or the unborn child. s: ructions before use. all safety precautions have been read and understo oves/protective clothing/eye protection/face protection s: concerned: Get medical attention/advice. sal Phrases: for Storage and Section 13 for Disposal information. Material may be irritating to the mucous membrane May be harmful by inhalation, ingestion, or skin ab May cause eye, skin, or respiratory system irritatio	on}. es and upper respiratory tract. sorption.				
	GHS Signal Word: GHS Signal Word: GHS Hazard Phrases: H360: May damage fertilit GHS Precaution Phrases P201: Obtain special instu P202: Do not handle until P280: Wear {protective gl GHS Response Phrases P308+313: IF exposed or GHS Storage and Dispo Please refer to Section 7 Adverse Human Health	ty or the unborn child. s: ructions before use. all safety precautions have been read and understo oves/protective clothing/eye protection/face protecti s: concerned: Get medical attention/advice. sal Phrases: for Storage and Section 13 for Disposal information. Material may be irritating to the mucous membrane May be harmful by inhalation, ingestion, or skin ab	on}. es and upper respiratory tract. sorption. n.				



SAFETY DATA SHEET Leuprorelin (acetate)

		Sect	ion 3. Composition	/Information	on Ingredie	nts		
CAS : RTEC	-	Hazardous Comp REACH Registrat	oonents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	GHS Classification		
7438 OH639	1-53-6 90000	Leuprolide acetate		100.0 %	686-285-8 NA	Toxic Repro. 1B: H360		
			Section 4. Fi	rst Aid Measu	ures			
4.1	Descrip	otion of First Aid						
Measures:								
	In Case	of Inhalation:	Remove to fresh air. If not bre	eathing, give artificia	I respiration or given	ve oxygen by trained personnel.		
			Get immediate medical attent	tion.				
	In Case of Skin Contact:		-			5 minutes. Remove contaminated		
			clothing. Get medical attentio		-			
	In Case	of Eye Contact:			ater for at least 1	5 minutes. Have eyes examined		
		of Investion.	and tested by medical person		nacious Noversi	ive envithing by mouth to on		
	In Case	of Ingestion:	Wash out mouth with water p	-	-	ng unless directed to do so by		
			medical personnel.					
			Section 5. Fire	Fighting Me				
5.1	Suitabl	e Extinguishing	Use alcohol-resistant foam, c			corov		
5.1	Media:	e Extinguishing	Use water spray to cool fire-e		r, or dry chemical	spiay.		
		Unsuitable Extinguishing A solid water stream may be inefficient.						
	Media:							
5.2		able Properties an	d No data available.					
	Hazards:							
			No data available.					
	Flash P	't:	No data.					
	Explosi	ive Limits:	LEL: No data.	UEL: No da	ata.			
	Autoigr	nition Pt:	No data.					
5.3	Fire Fig	hting Instructions	As in any fire, wear self-conta	ained breathing appa	aratus pressure-d	emand (NIOSH approved or		
			equivalent), and full protectiv	e gear to prevent co	ntact with skin an	d eyes.		
			Section 6. Acciden	tal Release N	Measures			
6.1	Protect	ive Precautions,	Avoid raising and breathing	dust, and provide ad	equate ventilatior	۱.		
			• •	•	•	eathing apparatus, or respirator,		
		ency Procedures:	and appropriate personal pro					
6.2	Enviror	nmental	Take steps to avoid release	into the environmen	t, if safe to do so.			
	Precaut	tions:						
6.3	Method	ls and Material Fo	r Contain spill and collect, as	appropriate.				
Containment and CleaningTransfer to a chemical waste container for disposal in accordance				with local regulations.				
	Up:							
			Section 7. Har	ndling and Sto	orage			
7.1	Precaut	tions To Be Taken	Avoid breathing dust/fume/ga	-				
	in Hand		Avoid prolonged or repeated					
7.2			Keep container tightly closed	l.				
	in Stori	ng:	Store in accordance with info	ormation listed on the	e product insert.			
						Multi-region format		



Page: 3 of 5

		8. Exposure Controls/Personal Protection				
8.1	Exposure Parameters:					
3.2	Exposure Controls:					
3.2.1		process enclosures, local exhaust ventilation, or other engineering controls to control airborne				
	(Ventilation etc.): levels	s below recommended exposure limits.				
3.2.2	Personal protection equipment					
	Eye Protection: Safet	y glasses				
	Protective Gloves: Com	patible chemical-resistant gloves				
	Other Protective Clothing: Lab of	coat				
	Respiratory Equipment NIOSH approved respirator, as conditions warrant.					
	(Specify Type):					
	Work/Hygienic/Maintenan Do no					
		ties storing or utilizing this material should be equipped with an eyewash and a safety showe				
		n thoroughly after handling.				
	No da	ata available.				
	Section	on 9. Physical and Chemical Properties				
.1	Information on Basic Physical a	nd 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.				
	Specific Gravity (Water = 1):	No data.				
	Solubility in Water:	No data.				
	Solubility Notes:	~10 mg/ml in PBS (pH 7.2); ~0.25 mg/ml in EtOH; ~30 mg/ml in DMSO & DMF;				
	Octanol/Water Partition	No data.				
	Coefficient:					
	Autoignition Pt:	No data.				
	Decomposition Temperature:	No data.				
	Viscosity:	No data.				
.2	Other Information					
	Percent Volatile:	No data.				
	Molecular Formula & Weight:	C59H84N16O12 • C2H4O2 1269.5				



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Revision: 07/31/2017

10.3 Stability Note(s): Stable if stored in accordance with information listed on the product insert. Polymerization: Will occur [] Will not occur [X] 10.4 Conditions To Avoid: No data available. 10.5 Incompatibility - Materials strong oxidizing agents To Avoid: Incompatibility - Materials strong oxidizing agents To Avoid: 10.6 Hazardous carbon dioxide Decomposition or carbon monoxide Byproducts: Information 11.1 Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied. 11.1 Information on Toxicological The toxicological effects of this product have not been thoroughly studied. 11.1 Information on Toxicological The toxicological effects of this product have not been thoroughly studied. 11.1 Information on Toxicological The toxicological effects: Leuprorelin (acetate) - Toxichy Data: Oral LD50 (mouse): >5 gm/kg; Subcutaneous LD50 (mouse): >5 gm/kg; Chronic Toxicological Leuprorelin (acetate) - Investigated as a drug and reproductive effector. Effects: Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented his See actual entry in RTECS for complete information. n.a. n.a. 12.1 Toxicity: Avoid releas	10.2 Stability: Unstable [] Stable [X] 10.3 Stability Note(s): Stable if stored in accordance with information listed on the product insert. Polymerization: Will occur [] Will not occur [X] 10.4 Conditions To Avoid: No data available. 10.5 Incompatibility - Materials strong oxidizing agents To Avoid: Incompatibility - Materials strong oxide 10.6 Hazardous carbon dioxide Decomposition or carbon moxide Byproducts: nitrogen oxides Section 11. Toxicological Information 11.1 Information on To toxicological Effects: Leuprorelin (acetate) - Toxicity Data: Oral LD50 (rau): >5 gm/kg; Intraperitoneal LD50 (rat): >5 gm/kg; Subcutaneous LD50 (mouse): >5 gm/kg; Intraperitoneal LD50 (rau): >5 gm/kg; Subcutaneous LD50 (mouse): >5 gm/kg; Intraperitoneal LD50 (rau): >5 gm/kg; In	10.2 Si 10.3 Si 10.4 C 10.5 In 10.6 H D B	Stability Stability Polymer Conditio ncompa To Avoic Hazardo Decomp Byprodu	Note(s): ization: ns To Avoid: tibility - Materials I: us osition or	Unstable [] Stable [X] Stable if stored in accordance with informa Will occur [] Will not occur [X] No data available. strong oxidizing agents carbon dioxide carbon monoxide	tion listed on	the product	insert.					
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Polymerization: Will occur [] Will not occur [X] 10.4 Conditions To Avoid: No data available. 10.5 Incompatibility - Materials strong oxidizing agents To Avoid: Incompatibility - Materials strong oxidizing agents To Avoid: 10.6 Hazardous carbon dioxide Decomposition or carbon monoxide Byproducts: nitrogen oxides Section 11. Toxicological Information The toxicological effects of this product have not been thoroughly studied. Toxicological Effects: Leuprorelin (acetate) - Toxicity Data: Oral L550 (rat): >5 gm/kg; Intraperitoneal LD50 (rat): >5 gm/kg; Subcutaneous LD50 (mouse): >5 gm/kg; Intraperitoneal I L050 (rat): >5 gm/kg; Subcutaneous LD50 (mouse): >5 gm/kg; Chronic Toxicological Leuprorelin (acetate) - Investigated as a drug and reproductive effector. Effects: Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented ho See actual entry in RTECS for complete information. Leuprorelin (acetate) RTECS Number: OHG390000 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSH4 74381-53-6 Leuprolide acetate n.a. n.a. n.a. n.a. n.a.	Polymerization: Will occur [] Will not occur [X] 10.4 Conditions To Avoid: No data available. 10.5 Incompatibility - Materials strong oxidizing agents To Avoid: Incompatibility - Materials strong oxidizing agents To Avoid: 10.6 Hazardous carbon dioxide Decomposition or carbon monoxide Byproducts: nitrogen oxides Section 11. Toxicological Information The toxicological effects of this product have not been thoroughly studied. Toxicological Effects: Leuprorelin (acetate) - Toxicity Data: Oral LD50 (mouse): >5 gm/kg; Intraperitoneal LD50 (rat): >5 gm/kg; Charaperitoneal LD50 (rat): >5 gm/kg; Charaperitoneal LD50 (mouse): >5 gm/kg; Subcutaneous LD50 (mouse): >5 gm/kg; Chronic Toxicological Leuprorelin (acetate) - Investigated as a drug and reproductive effector. Effects: Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented her See actual entry in RTECS for complete information. Leuprorelin (acetate) RTECS Number:OH630000 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA Accord relase into the environment. Runoff from fire control or dilution water may cause pollution. <	P 10.4 C 10.5 In T 10.6 H D B 11.1 In	Polymer Conditio ncompa To Avoic Hazardo Decomp Byprodu	ization: ns To Avoid: tibility - Materials I: us osition or	Will occur [] Will not occur [X] No data available. s strong oxidizing agents carbon dioxide carbon monoxide	tion listed on	the product	insert.					
10.4 Conditions To Avoid: No data available. 10.5 Incompatibility - Materials strong oxidizing agents To Avoid: Carbon dioxide 10.6 Hazardous carbon monoxide Decomposition or carbon monoxide Byproducts: nitrogen oxides Section 11. Toxicological Information 11.1 Information on Toxicological Effects: Leuprorelin (acetate) - Toxicity Data: Oral LD50 (rat): >5 gm/kg; Intraperitoneal LD50 (rat): > gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Chraneous: D550 (mouse): >5 gm/kg; Chronic Toxicological Leuprorelin (acetate) - Investigated as a drug and reproductive effector. Effects: Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented he See actual entry in RTECS for complete information. Leuprorelin (acetate) RTECS Number:OH6390000 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. Incorential: 12.1 Toxicity: Avoid release into the environment. Runoff from fi	10.4 Conditions To Avoid: No data available. 10.5 Incompatibility - Materials strong oxidizing agents To Avoid: Carbon dioxide 10.6 Hazardous carbon dioxide Decomposition or Carbon monoxide Byproducts: nitrogen oxides Section 11. Toxicological Information 11.1 Information on Toxicological Effects: Leuprorelin (acetate) - Toxicity Data: Oral LD50 (rat): >5 gm/kg; Intraperitoneal LD50 (rat): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Oral LD50 (mouse): >5 gm/kg; Intraperitoneal LD (mouse): >5 gm/kg; Subcutaneous LD50 (mouse): >5 gm/kg; Chronic Toxicological Leuprorelin (acetate) - Toxicity Data: Oral LD50 (mouse): >5 gm/kg; Intraperitoneal LD (mouse): >5 gm/kg; Subcutaneous LD50 (mouse): >5 gm/kg; Chronic Toxicological Leuprorelin (acetate) - Toxicity Data: Oral DB50 (mouse): >5 gm/kg; Chronic Toxicological Leuprorelin (acetate) - Toxicity Data: Oral DB50 (mouse): >5 gm/kg; Chronic Toxicological Registry of Toxic Effects of Chemical Substances (RTECS) data is presented her See actual entry in RTECS Number:OH6390000 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA Avoid release into the environment. Runoff from fire control or dilution water	10.4 C 10.5 In 10.6 H D B	Conditio ncompa To Avoic lazardo Decomp Byprodu	ns To Avoid: tibility - Materials I: us osition or	No data available. s strong oxidizing agents carbon dioxide carbon monoxide								
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To Avoid: Carbon dioxide Decomposition or Byproducts: carbon monoxide Byproducts: nitrogen oxides Section 11. Toxicological Information 11.1 Information on Toxicological Effects: To Avoid (acetate) - Toxicity Data: Oral LD50 (rat): > 5 gm/kg; Intraperitoneal LD50 (rat): > 5 gm/kg; Subcutaneous LD50 (rouse): > 5 gm/kg; Intraperitoneal LD50 (rat): > 5 gm/kg; Chronic Toxicological Leuprorelin (acetate) - Toxicity Data: Oral LD50 (mouse): > 5 gm/kg; Chronic Toxicological Leuprorelin (acetate) - Investigated as a drug and reproductive effector. Conclose acetate Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented hor See actual entry in RTECS for complete information. Leuprorelin (acetate) RTECS Number:OH6390000 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSH/A 74381-53-6 Leuprolide acetate n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a. 12 Section 12. Ecological Information 12.2 12.1 <td>To Avoid: To Avoid: 10.6 Hazardous carbon dioxide Decomposition or carbon monoxide Byproducts: nitrogen oxides Section 11. Toxicological Information The toxicological effects of this product have not been thoroughly studied. Leuprorelin (acetate) - Toxicity Data: Oral LD50 (rat): >5 gm/kg; Intraperitoneal LD50 (rat): >5 gm/kg; Intraperitoneal LD50 (rat): >5 gm/kg; Chronic Toxicological Effects: Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented her See actual entry in RTECS for complete information. Leuprorelin (acetate) RTECS Number:OH6390000 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA 74381-53-6 Leuprolide acetate n.a. n.a. n.a. n.a. n.a. n.a. 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 12.2 Persistence and No data available. Degradability: 12.3 Bioaccumulative No data available. Potential: 12.4 Mobility in Soil: No data available. Potential: 12.6 Other adverse effects: No data available. Section 13. Disposal Considerations</td> <td>T(10.6 H D B 11.1 In</td> <td>o Avoid Iazardo Decomp Byprodu</td> <td>l: us osition or</td> <td>carbon dioxide carbon monoxide</td> <td></td> <td></td> <td></td> <td></td>	To Avoid: To Avoid: 10.6 Hazardous carbon dioxide Decomposition or carbon monoxide Byproducts: nitrogen oxides Section 11. Toxicological Information The toxicological effects of this product have not been thoroughly studied. Leuprorelin (acetate) - Toxicity Data: Oral LD50 (rat): >5 gm/kg; Intraperitoneal LD50 (rat): >5 gm/kg; Intraperitoneal LD50 (rat): >5 gm/kg; Chronic Toxicological Effects: Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented her See actual entry in RTECS for complete information. Leuprorelin (acetate) RTECS Number:OH6390000 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA 74381-53-6 Leuprolide acetate n.a. n.a. n.a. n.a. n.a. n.a. 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 12.2 Persistence and No data available. Degradability: 12.3 Bioaccumulative No data available. Potential: 12.4 Mobility in Soil: No data available. Potential: 12.6 Other adverse effects: No data available. Section 13. Disposal Considerations	T(10.6 H D B 11.1 In	o Avoid Iazardo Decomp Byprodu	l: us osition or	carbon dioxide carbon monoxide								
10.6 Hazardous Decomposition or Byproducts: carbon monoxide carbon monoxide mitrogen oxides Section 11. Toxicological Information The toxicological effects of this product have not been thoroughly studied. Toxicological Effects: Leuprorelin (acetate) - Toxicity Data: Oral LD50 (rat): >5 gm/kg; Intraperitoneal LD50 (rat): > gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Oral LD50 (mouse): >5 gm/kg; Intraperitoneal L (mouse): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Intraperitoneal L (mouse): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Intraperitoneal L (mouse): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Intraperitoneal L (mouse): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Intraperitoneal L (mouse): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Intraperitoneal L (mouse): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Intraperitoneal L (mouse): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Intraperitoneal L (mouse): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Intraperitoneal L (mouse): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Intraperitoneal L (mouse): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Intraperitoneal L (mouse): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Intraperitoneal L (mouse): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Intraperitoneal L (mouse): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Intraperitoneal L (mouse): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Intraperitoneal L (mouse): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Intraperitoneal L (hold): Chronic Toxicological Information 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 12.2 Persist	10.6 Hazardous carbon dioxide carbon monoxide myproducts: carbon monoxide monoxide myproducts: 11.1 Information on Toxicological Effects: Leuprorelin (acetate) - Toxicity Data: Oral LD50 (rat): >5 gm/kg; Intraperitoneal LD50 (rat): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Chronic Toxicological 11.1 Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied. 12.8 Gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Intraperitoneal LD50 (rat): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Intraperitoneal LD50 (rat): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Intraperitoneal LD50 (rat): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Intraperitoneal LD50 (rat): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Intraperitoneal LD50 (rat): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Intraperitoneal LD50 (rat): >5 gm/kg; Subcutaneous LD50 (rat): >5 gm/kg; Intraperitoneal LD50 (rat): >5	10.6 H D B 11.1 In	lazardo Decomp Byprodu	us osition or	carbon monoxide								
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See actual entry in RTECS for complete information. Leuprorelin (acetate) RTECS Number:OH6390000 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA 74381-53-6 Leuprolide acetate n.a. n.a. NTP IARC ACGIH OSHA 74381-53-6 Leuprolide acetate n.a. In.a. In.a. <td>See actual entry in RTECS for complete information. Leuprorelin (acetate) RTECS Number:OH6390000 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA 74381-53-6 Leuprolide acetate n.a. n.a. n.a. n.a. n.a. n.a. Section 12. Ecological Information Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 12.9 Persistence and No data available. Degradability: No data available. Degradability: 12.4 Mobility in Soil: No data available. Potential: Section 13. Disposal Considerations</td> <td></td> <td></td> <td>Toxicological</td> <td></td> <td>•</td> <td></td> <td></td> <td></td>	See actual entry in RTECS for complete information. Leuprorelin (acetate) RTECS Number:OH6390000 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA 74381-53-6 Leuprolide acetate n.a. n.a. n.a. n.a. n.a. n.a. Section 12. Ecological Information Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 12.9 Persistence and No data available. Degradability: No data available. Degradability: 12.4 Mobility in Soil: No data available. Potential: Section 13. Disposal Considerations			Toxicological		•							
Leuprorelin (acetate) RTECS Number:OH6390000 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA 74381-53-6 Leuprolide acetate n.a. Item tem tem tem tem tem tem tem tem tem	Leuprorelin (acetate) RTECS Number:OH6390000 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA 74381-53-6 Leuprolide acetate n.a. n.a. n.a. n.a. n.a. n.a. n.a. Section 12. Ecological Information Item colspan="4">Item colspan="4">Item colspan="4">ACGIH OSHA ACGIH OSHA Item colspan="4">Item colspan="4" Item colspan="4"	E	ffects:				ances (RTEC	US) data is pre	sented here				
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12.5 Results of PBT and vPvB No data available. assessment: 12.6 Other adverse effects: No data available. Section 13. Disposal Considerations	12.5 Results of PBT and vPvB No data available. assessment: assessment: 12.6 Other adverse effects: No data available. Section 13. Disposal Considerations	P	Potentia	l:									
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assessment: 12.6 Other adverse effects: No data available. Section 13. Disposal Considerations	assessment: 12.6 Other adverse effects: No data available. Section 13. Disposal Considerations	12.5 R	Results	of PBT and vPvB	No data available.								
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·	· · · · · · · · · · · · · · · · · · ·				Section 13. Disposal Con	sideratio	ons						
13.1 Waste Disposal Method. Dispose in accordance with local state, and everal requiations.													
		I3.1 W	Vaste D	isposal Method:	Dispose in accordance with local, state, ar	d federal reg	julations.						



SAFETY DATA SHEET Leuprorelin (acetate)

Page: 5 of 5

Revision: 07/31/2017

		Section 14. Tran	sport Informa	ation	
14.1 LAND T	RANSPORT (US	DOT):			
DOT Prope	r Shipping Name	: Not dangerous goods.			
DOT Hazar		0 0			
UN/NA Nun	nber:				
14.1 LAND T	RANSPORT (Eur	opean ADR/RID):			
ADR/RID S	hipping Name:	Not dangerous goods.			
UN Number	r:				
Hazard Cla	SS:				
14.3 AIR TRA	ANSPORT (ICAO/	IATA):			
ΙCAO/ΙΑΤΑ	Shipping Name:	Not dangerous goods.			
Additional Tran	nsport	Transport in accordance with lo	cal, state, and feder	al regulations.	
Information:					
		Section 15. Regul	atory Informa	ation	
EPA SARA (Su	perfund Amendn	nents and Reauthorization Act	of 1986) Lists		
CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
74381-53-6	Leuprolide aceta	te	No	No	No
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or	State Lists	
74381-53-6	Leuprolide aceta	te	CAA HAP,ODC: PROP.65: Yes: R	No; CWA NPDES: No DTox(F/M)	; TSCA: No; CA
Regulatory Info	ormation	This SDS was prepared in acco	rdance with 29 CFR	1910.1200 and Regu	lation (EC)
Statement:		No.1272/2008.			
		Section 16. Oth	ner Informatio	on	
Revision Date:		07/31/2017			
Additional Infor	rmation About	No data available.			
This Product:					
Company Polic	y or Disclaimer:	DISCLAIMER: This information	is believed to be ac	curate and represents	the best information
		currently available to us. Howev		-	
		express or implied, with respect			
		use. Users should make their o their particular purposes.	wn investigations to	determine the suitabl	lity of the information for
		inen particular purposes.			