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	acco	ording to Regulation (EC) No. 1907/2006 as amended by	(EC) No. 1272/2008				
	Section 1. I	dentification of the Substance/Mixture and of the	he Company/Undertaking				
1.1	Product Code:	20011					
	Product Name:	(+)-Fluprostenol isopropyl ester Analytical Ref	erence Standard				
1.2	Relevant identified uses of	Relevant identified uses of the substance or mixture and uses advised against:					
	Relevant identified uses:	For research use only, not for human or veteri	inary use.				
1.3	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				
1.4	Emergency telephone nun	nber:					
	Emergency Contact:	CHEMTREC Within USA and Canada: CHEMTREC Outside USA and Canada:	+1 (800)424-9300 +1 (703)527-3887				
		Section 2. Hazards Identific	ation				
2.1	Classification of the Subst	ance or Mixture:					
	Acute Toxicity: Oral, Cat	egory 4					
	Serious Eye Damage/Eye Irritation, Category 2						
	Toxic To Reproduction, Category 1B						
	Specific Target Organ To	oxicity (single exposure), Category 3					
2.2	Label Elements:						
	GHS Signal Word:	Danger					
	GHS Hazard Phrases:						
	H302: Harmful if swallowed.						
	H319: Causes serious eye irritation.						
	H335: May cause respiratory irritation.						
	H360: May damage fertility or the unborn child.						
	GHS Precaution Phrases:						
	P201: Obtain special instructions before use.						
	P202: Do not handle until all safety precautions have been read and understood.						
	P261: Avoid breathing {dust/fume/gas/mist/vapors/spray}.						
	P264: Wash {hands} thoroughly after handling.						
	P280: Wear {protective gloves/protective clothing/eye protection/face protection}.						
	GHS Response Phrases:						
	P301+312: IF SWALLOWED: P312: Call a POISON CENTER or doctor/physician if you feel unwell.						
	P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.						
	P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy						
	to do. Continue rinsing. P308+313: IF exposed or concerned: Get medical attention/advice.						
	P330: Rinse mouth.						



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		-	n persists, get medical advice/a	attention.				
		Storage and Dispo						
_			for Storage and Section 13 for Disposal information.					
.3	Adverse Human Health Causes serious eye irritation.							
	Effects and Symptoms: Harmful if swallowed. Material may be irritating to the mucous membranes and upper respiratory tract.							
			May be harmful by inhalation					
			May cause skin or respiratory	-				
			May damage fertility or the unborn child.					
			To the best of our knowledge	e, the toxicological p	roperties have not	t been thoroughly investigated.		
		Sect	tion 3. Composition	/Information	on Ingredie	nts		
CAS : RTEC		Hazardous Com REACH Registra	oonents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	GHS Classification		
15728	33-68-6	(+)-Fluprostenol Iso	propyl Ester	100.0 %	NA NA	Eye Damage 2: H319		
MJ966	69950					STOT (SE) 3: H335 H336		
						Acute Tox.(O) 4: H302 Toxic Repro. 1B: H360		
			Section 4. Fi	rst Aid Meas	ures			
	Description of First Aid							
.1	Descrip	otion of First Aid						
.1	Descrip Measur							
.1	Measur				al respiration or giv	ve oxygen by trained personnel.		
.1	Measur In Case	es: of Inhalation:	Get immediate medical attent	tion.				
.1	Measur In Case	es:	Get immediate medical attent Immediately wash skin with s	tion. oap and plenty of w	rater for at least 15	minutes. Remove contaminate		
.1	Measur In Case In Case	es: of Inhalation: of Skin Contact:	Get immediate medical attent Immediately wash skin with s clothing. Get medical attentio	tion. oap and plenty of w n if symptoms occu	rater for at least 15 r. Wash clothing b	o minutes. Remove contaminate efore reuse.		
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SAFETY DATA SHEET

(+)-Fluprostenol isopropyl ester Analytical Reference Standard

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		Section 6. Accidental Release Measures				
6.1 Protective Precautions, Avoid raising and breathing dust, and provide adequate ventilation.						
	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	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.):	levels below recommended exposure limits.				
8.2.2	Personal protection equipment:					
	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	-				
	ce Practices:	Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower.				
Wash thoroughly after handling.						
		data available.				
	Se	ection 9. Physical and Chemical Properties				
9.1	Information on Basic Phys	ical 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. No data available.				
	Flammability (solid, gas): Explosive Limits:	LEL: No data. UEL: No data.				
	Vapor Pressure (vs. Air or					
	Hg):					
	Vapor Density (vs. Air = 1)	: No data.				
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	Specific	Gravity (Water =	1): No data.						
	Solubility	y in Water:	No data.						
	Octanol/	Water Partition	No data.						
	Coefficie	ent:							
	Autoigni	tion Pt:	No data.						
	Decomp	osition Temperate	ure: No data.						
	Viscosity	y :	No data.						
9.2	Other Info	ormation							
	Percent	Volatile:	No data.						
	Molecula	ar Formula & Weig	ght: C26H35F3O6 5	00.6					
			Section 10. Sta	bility and	Reactiv	ity			
10.1	Reactivit	iy:	No data available.						
10.2	Stability	:	Unstable [] Stable [X]]					
10.3	Stability	Note(s):	Stable if stored in accordance with information listed on the product insert.						
	Polymer	ization:	Will occur [] Will not occur [X]						
10.4	Conditio	ns To Avoid:	No data available.						
10.5	Incompa	tibility - Materials	strong oxidizing agents						
	To Avoid	1:							
10.6	Hazardo	us	carbon dioxide						
	Decomp	osition or	carbon monoixde						
	Byprodu	cts:	hydrogen fluoride						
			Section 11. Toxic	cological	Informat	tion			
11.1	Informat	ion on	The toxicological effects of the	nis product hav	e not been	thoroughly stu	udied.		
	Toxicolo	gical Effects:	J. J	·		0,1			
CAS #	ŧ	Hazardous Com	ponents (Chemical Name)		NTP	IARC	ACGIH	OSHA	
1572	33-68-6	(+)-Fluprostenol Is	sopropyl Ester		n.a.	n.a.	n.a.	n.a.	
			Section 12. Eco	ological In	formatio	on			
12.1			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	Mobility	in Soil:	No data available.						
12.5	Results	of PBT and vPvB	No data available.						
	assessment:								
12.6	2.6 Other adverse effects:		No data available.						
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		Section 13. Dispos	al Considera	tions			
13.1 Waste Di	3.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.						
	Section 14. Transport Information						
14.1 LAND TF	4.1 LAND TRANSPORT (US DOT):						
-	DOT Proper Shipping Name: Not dangerous goods.						
	DOT Hazard Class:						
14.1 LAND TRANSPORT (European ADR/RID): ADR/RID Shipping Name: Not dangerous goods.							
UN Number:							
Hazard Clas	is:						
	NSPORT (ICAO/I						
	Shipping Name:	Not dangerous goods.	al atota and fail	ol rogulation -			
Additional Tran	sport	Transport in accordance with loc	ai, state, and feder	ai regulations.			
		Section 15. Regula	atory Informa	ation			
EPA SARA (Sur	perfund Amendm	nents and Reauthorization Act o					
	Hazardous Components (Chemical Name)		S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)		
157283-68-6	(+)-Fluprostenol Isopropyl Ester		No	No	No		
CAS #	Hazardous Com	aponents (Chemical Name) Other US EPA or State Lists					
157283-68-6 (+)-Fluprostenol		Isopropyl Ester CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			No; TSCA: No; CA		
Regulatory Information Statement:		This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.					
		Section 16. Oth	er Informatic	n			
Revision Date:		02/01/2017					
Additional Information About		No data available.					
This Product:							
Company Policy	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.					

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