

Revision: 02/23/2020 Supersedes Revision: 07/30/2015

	CHEMICAL		Supersedes Revision: 07/30/2015				
	according	to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2015/83	30 and US OSHA HCS 2015				
	Section 1. Id	entification of the Substance/Mixture and of th	ne Company/Undertaking				
1.1	Product Code:	15728					
	Product Name:	Dehydroepiandrosterone					
	Synonyms:	5-androsten-3.betaol-17-one; Androstenolone	e; trans-Dehydroandrosterone; DHEA; Diandro				
		NSC 9896; Prasterone; Psicosterone;					
.2	Relevant identified uses of	the substance or mixture and uses advised ag	ainst:				
	Relevant identified uses:	For research use only, not for human or veterin					
.3		-	,				
.ა	Details of the Supplier of th Company Name:	Cayman Chemical Company					
	company Name.	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 numl	per:					
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300				
		CHEMTREC Outside USA and Canada:	+1 (703)527-3887				
		Section 2. Hazards Identification	ation				
2.1	Classification of the Substa						
	Toxic To Reproduction, C						
	Toxic To Reproduction, E						
	Aquatic Toxicity (Acute),						
2.2	Aquatic Toxicity (Chronic Label Elements:), Category 1					
	GHS Signal Word:	Danger					
	GHS Hazard Phrases:						
	H360: May damage fertility						
	H362: May cause harm to b						
	H400: Very toxic to aquatic life.						
	H410: Very toxic to aquatic						
	GHS Precautionary Phras						
	P201: Obtain special instruc						
		Il safety precautions have been read and understo	bod.				
		/fume/gas/mist/vapors/spray}.					
	P263: Avoid contact during						
	P264: Wash {hands} thorou						
	P273: Avoid release to the P280: Wear (protective glov	ves/protective clothing/eye protection/face protecti	on}				
	GHS Response Phrases:		onj.				
	-	oncerned: Get medical attention/advice.					
	P300+313. IF exposed of C P391: Collect spillage.						
		Dhrasos.					
	GHS Storage and Dispose						
	Flease felet to Section / To	r Storage and Section 13 for Disposal information.					
			Multi-region for				



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	UFI:					
2.3	Advers	e Human Health	Material may be irritating to t	he mucous membra	anes and upper re	spiratory tract.
	Effects	and Symptoms:	May be harmful by inhalation	-		
			May cause eye, skin, or resp		tion.	
			May cause harm to breast-fe			
			May damage fertility or the u			
			Very toxic to aquatic life with			t been thoroughly investigated.
		Sec	tion 3. Composition		-	
		1			-	
CAS			ponents (Chemical Name)/	Concentration	EC No./ EC Index No.	GHS Classification
RTEC		REACH Registra		100.0.0/		
53 BV83	-43-0 96000	(+)-Dehydroisoandr 01-2119946317-33	osterone	100.0 %	200-175-5 NA	Toxic Repro. 1B: H360 Toxic Lactate: H362
						Aquatic (A) 1: H400
						Aquatic (C) 1: H410
						H335
			Section 4. Fi	rst Aid Meas	ures	
4.1	Descrip	ption of First Aid				
	Measu	res:				
	In Case	e of Inhalation:	Remove to fresh air. If not broken	eathing, give artificia	al respiration or gi	ve oxygen by trained personnel.
			Get immediate medical atten	tion.		
	In Case	e of Skin Contact:	-			5 minutes. Remove contaminated
			clothing. Get medical attentio		-	
	In Case	e of Eye Contact:			water for at least 1	5 minutes. Have eyes examined
		•• ••	and tested by medical persor			
	In Case	e of Ingestion:	Wash out mouth with water p	-	-	
			medical personnel.	uical allention. Do r		ing unless directed to do so by
			Section 5. Fire	Fighting Me	asures	
L 5.1	Suitabl	e Extinguishing	Use alcohol-resistant foam, o	<u> </u>		lsprav
••••	Media:		Use water spray to cool fire-			
			g A solid water stream may be			
	Media:	•	,			
5.2			ndNo data available.			
	Hazard	•				
			No data available.			
	Flash F	Pt:	No data.			
	Explos	ive Limits:	LEL: No data.	UEL: No d	lata.	
	-	nition Pt:	No data.			
5.3	-		s: As in any fire, wear self-cont	ained breathing app	paratus pressure-c	demand (NIOSH approved or
			equivalent), and full protectiv		-	
					-	
1						

Multi-region format



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Supersedes Revision: 07/30/2015 Section 6. Accidental Release Measures 6.1 Avoid raising and breathing dust, and provide adequate ventilation. **Protective Precautions,** Protective Equipment and As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves). **Emergency Procedures:** 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. Store in accordance with information listed on the product insert. in Storing: Section 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 levels below recommended exposure limits. (Ventilation etc.): 8.2.2 Personal protection equipment: Eye Protection: Safety glasses Compatible chemical-resistant gloves **Protective Gloves:** Other Protective Clothing: Lab coat NIOSH approved respirator, as conditions warrant. **Respiratory Equipment** (Specify Type): Work/Hygienic/Maintenan Do not take internally. Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower. ce Practices: Wash thoroughly after handling. No data available. Section 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 No data. pH: 149.00 C - 151.00 C Melting Point: No data. **Boiling Point:** No data. Flash Pt: No data. **Evaporation Rate:** No data available. Flammability (solid, gas): **Explosive Limits:** LEL: No data. UEL: No data. Vapor Pressure (vs. Air or mm No data. Hq): Vapor Density (vs. Air = 1): No data.



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					0		
	Specific	Gravity (Water =	1): No data.				
	Solubility	y in Water:	No data.				
	Solubility	y Notes:	~0.5 mg/ml in a 1:1 solution DMSO; ~25 mg/ml in DMF;	of DMSO:PBS (pl	H 7.2); ∼10 mg	g/ml in EtOH; ~	15 mg/ml in
	Octanol/	Water Partition	No data.				
	Coefficie	ent:					
	Autoigni	tion Pt:	No data.				
	-	osition Temperat					
	Viscosity	-	No data.				
9.2	Other Info	·					
-	Percent V	Volatile:	No data.				
	Molecula	ır Formula & Wei					
			Section 10. Stability	and Reactiv	/ity		
10.1	Reactivit	v:	No data available.		<u> </u>		
10.2	Stability:	-	Unstable [] Stable [X]				
10.3	Stability		Stable if stored in accordance with	information listed o	on the product	insert.	
	Polymeri		Will occur [] Will not occur [X				
10.4	-	ns To Avoid:	No data available.				
10.5			s strong oxidizing agents				
	To Avoid	-					
10.6	Hazardo		carbon dioxide				
		osition or	carbon monoxide				
	Byprodu						
			Section 11. Toxicolog	gical Informa	ation		
11.1	Informati	ion on	The toxicological effects of this com			v studied.	
		gical Effects:	Dehydroepiandrosterone - Toxicity	-			ıs LD50 (rat): 1
		0	gm/kg; Oral TDLo (man): 10 mg/kg/	/2W (intermittent);	Oral Rodent	- mouse >1	0 gm/kg;
			SubcutaneousLD50 (mouse): 900 n	ng/kg;			
	Chronic	Toxicological	Dehydroepiandrosterone - Investiga	ated as a hormone	, mutagen, na	tural product, r	eproductive
	Effects:		effector, and tumorigen,				
			Only select Registry of Toxic Effects		stances (RTE	CS) data is pre	sented here.
			See actual entry in RTECS for com	-			
			Dehydroepiandrosterone RTECS N	umber: BV839600	0		
CAS	#	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA
53	-43-0	(+)-Dehydroisoan	drosterone	n.a.	n.a.	n.a.	n.a.
			Section 12. Ecologie	cal Informati	on		
12.1	Toxicity:		Avoid release into the environment.				
			Runoff from fire control or dilution w	ater may cause po	ollution.		
12.2	Persister	nce and	No data available.				
	Degrada	bility:					
12.3	Bioaccur	nulative	No data available.				
	Potential	:					
12.4	Mobility	in Soil:	No data available.				
12.4 12.5	-		No data available. No data available.				
	-	of PBT and vPvB					



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12.6 Other ac	verse effects:	No data available.				
	iverse effects.					
		Section 13. Dispo	sal Considerat	ions		
13.1 Waste D	isposal Method:	Dispose in accordance with loc	al, state, and federal re	egulations.		
		Section 14. Trar	nsport Informat	ion		
14.1 LAND T	RANSPORT (US	DOT):				
DOT Proper	r Shipping Name	Not dangerous goods.				
DOT Hazaro	d Class:					
UN/NA Num	nber:					
14.1 LAND T	RANSPORT (Eur	opean ADR/RID):				
ADR/RID Sh	nipping Name:	Environmentally hazardou	s substance, solid, n.o	.s. (Prasterone)		
UN Number	r:	3077	Packing Grou	p:	III	
Hazard Clas	SS:	9 - CLASS 9				
14.3 AIR TRA	NSPORT (ICAO/	ATA):				
ICAO/IATA	Shipping Name:	Environmentally hazardou	s substance, solid, n.o	.s. (Prasterone)		
UN Number	r:	3077	Packing Grou	p:	III	
Hazard Clas	SS:	9 - CLASS 9	IATA Classific	cation:	9	
Additional Tran	nsport	Transport in accordance with	ocal, state, and federal	regulations.		
Information:		When sold in quantities of less	than or equal to 1 mL,	or 1 g, with an E	Excepted Quantity	Code of
		E1, E2, E4, or E5, this item me	eets the De Minimis Qu	antities exemption	on, per IATA 2.6.10	0.
		Therefore peakeging does not	have to be labeled as			
		Therefore packaging does not		Dangerous Good	ds/Excepted Quant	tity.
		Section 15. Regu		-	ds/Excepted Quant	tity.
EPA SARA (Su	perfund Amendr		latory Informat	-	ds/Excepted Quan	tity.
	1	Section 15. Regu	latory Informat	-	ds/Excepted Quant	
	1	Section 15. Regu nents and Reauthorization Act ponents (Chemical Name)	Ilatory Informat	ion		
CAS #	Hazardous Com	Section 15. Regu nents and Reauthorization Act ponents (Chemical Name)	of 1986) Lists S. 302 (EHS)	S. 304 RQ No	S. 313 (TRI	
CAS # 53-43-0	Hazardous Com	Section 15. Regu ments and Reauthorization Act ponents (Chemical Name) adrosterone	Ilatory Informat of 1986) Lists S. 302 (EHS) No	S. 304 RQ No State Lists	S. 313 (TRI) No)
CAS # 53-43-0 CAS #	Hazardous Com (+)-Dehydroisoan Hazardous Com (+)-Dehydroisoan	Section 15. Regu ments and Reauthorization Act ponents (Chemical Name) adrosterone	Ilatory Information of 1986) Lists S. 302 (EHS) No Other US EPA or S CAA HAP,ODC: No PROP.65: No	S. 304 RQ No State Lists D; CWA NPDES	S. 313 (TRI) No : No; TSCA: No; ()
CAS # 53-43-0 CAS # 53-43-0	Hazardous Com (+)-Dehydroisoan Hazardous Com (+)-Dehydroisoan	Section 15. Regu ments and Reauthorization Act ponents (Chemical Name) adrosterone ponents (Chemical Name) adrosterone	Ilatory Information of 1986) Lists S. 302 (EHS) No Other US EPA or S CAA HAP,ODC: No PROP.65: No	S. 304 RQ No State Lists D; CWA NPDES	S. 313 (TRI) No : No; TSCA: No; ()
CAS # 53-43-0 CAS # 53-43-0 Regulatory Info	Hazardous Com (+)-Dehydroisoan Hazardous Com (+)-Dehydroisoan	Section 15. Regulation Act aponents and Reauthorization Act aponents (Chemical Name) adrosterone aponents (Chemical Name) adrosterone This SDS was prepared in acc No.1272/2008.	Ilatory Information of 1986) Lists S. 302 (EHS) No Other US EPA or S CAA HAP,ODC: No PROP.65: No ordance with 29 CFR 1	S. 304 RQ No State Lists D; CWA NPDES 910.1200 and R	S. 313 (TRI) No : No; TSCA: No; ()
CAS # 53-43-0 CAS # 53-43-0 Regulatory Info Statement:	Hazardous Com (+)-Dehydroisoan Hazardous Com (+)-Dehydroisoan	Section 15. Regulation Act aponents and Reauthorization Act aponents (Chemical Name) adrosterone This SDS was prepared in acc No.1272/2008. Section 16. Ot	Ilatory Information of 1986) Lists S. 302 (EHS) No Other US EPA or S CAA HAP,ODC: No PROP.65: No ordance with 29 CFR 1	S. 304 RQ No State Lists D; CWA NPDES 910.1200 and R	S. 313 (TRI) No : No; TSCA: No; ()
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CAS # 53-43-0 CAS # 53-43-0 Regulatory Info Statement: Revision Date: Additional Infor	Hazardous Com (+)-Dehydroisoan Hazardous Com (+)-Dehydroisoan	Section 15. Regulation Act aponents and Reauthorization Act aponents (Chemical Name) adrosterone This SDS was prepared in acc No.1272/2008. Section 16. Ot	Ilatory Information of 1986) Lists S. 302 (EHS) No Other US EPA or S CAA HAP,ODC: No PROP.65: No ordance with 29 CFR 1	S. 304 RQ No State Lists D; CWA NPDES 910.1200 and R	S. 313 (TRI) No : No; TSCA: No; ()
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