

Revision: 09/07/2018 Supersedes Revision: 10/28/2014

	CHEMICAL		Supersedes Revision: 10/28/2014				
	accordi	ng to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2015/83	30 and US OSHA HCS 2015				
	Section 1.	Identification of the Substance/Mixture and of the	he Company/Undertaking				
1.1	Product Code: 16063						
	Product Name:	Corticosterone					
	Synonyms:	11.beta.,21-dihydroxy-pregn-4-ene-3,20-dione	; 17-deoxy Cortisol; 11.beta.,21-DHP; NSC 970				
		11.beta.,21-dihydroxy Progesterone;					
.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.						
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				
.4	Emergency telephone nur	nber:					
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300				
		CHEMTREC Outside USA and Canada:	+1 (703)527-3887				
		Section 2. Hazards Identific	ation				
2.1	Classification of the Subs	tance or Mixture:					
	Skin Sensitization, Cate	gory 1					
2.2	Label Elements:						
	P272: Contaminated work	<b>s:</b> ust/fume/gas/mist/vapours/spray}. < clothing should not be allowed out of the workplace					
	P280: Wear {protective gloves/protective clothing/eye protection/face protection}. P362+364: Take off contaminated clothing and wash it before reuse.						
	GHS Response Phrases:						
	P302+352: IF ON SKIN: Wash with plenty of soap and water.						
	P333+313: If skin irritation or rash occurs, seek medical advice/attention.						
	GHS Storage and Disposal Phrases:						
	Please refer to Section 7 for Storage and Section 13 for Disposal information.						
2.3	Adverse Human Health	Material may be irritating to the mucous membrane					
	Effects and Symptoms:	May be harmful by inhalation, ingestion, or skin ab					
	, r	May cause an allergic skin reaction.					
	May cause eye, skin, or respiratory system irritation.						
	To the best of our knowledge, the toxicological properties have not been thoroughly investigated.						



## SAFETY DATA SHEET

Corticosterone

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Section 3. Composition/Information on Ingredients								
CAS # / RTECS # 50-22-6 GM7650000		Hazardous Comp REACH Registrat	oonents (Chemical Name)/ ion No.	Concentration	EC No./ EC Index No.	GHS Classification		
		Corticosterone		100.0 %	200-019-6 NA	Skin Sens. 1: H317		
			Section 4. Fi	rst Aid Measu	ires			
4.1	Descrip	Description of First Aid						
	Measur	res:						
	In Case	e of Inhalation:	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.					
	In Case	e of Skin Contact:	Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated					
			clothing. Get medical attention if symptoms occur. Wash clothing before reuse.					
	In Case	ase of Eye Contact: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eye						
	and tested by medical p							
	in Case	e of Ingestion:		Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by				
			medical personnel.					
			Section 5. Fire	Fighting Mea	asures			
5.1	Suitabl	e Extinguishing	Use alcohol-resistant foam, c	arbon dioxide, water	, or dry chemical	spray.		
	Media:		Use water spray to cool fire-exposed containers.					
	Unsuita	able Extinguishing	A solid water stream may be	inefficient.				
	Media:							
5.2 Flammable Properties andNo data available. Hazards:								
No data available.								
	Flash F	Yt:	No data.					
	Explos	ive Limits:	LEL: No data.	UEL: No da	ta.			
	Autoig	nition Pt:	No data.					
5.3 Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand (N								
equivalent), and full protective gear to prevent contact with skin and eyes.						d eyes.		
			Section 6. Acciden	ital Release N	<i>l</i> easures			
6.1	Protect	ive Precautions,	Avoid raising and breathing	dust, and provide ad	equate ventilatior	). 		
	Protect	tive Equipment and	<b>d</b> As conditions warrant, wear	a NIOSH approved s	self-contained bre	eathing apparatus, or respirator,		
	Emerge	ency Procedures:	and appropriate personal pro	otection (rubber boot	s, safety goggles	, and heavy rubber gloves).		
6.2	Enviro Precau	nmental tions:	Take steps to avoid release	into the environment	, if safe to do so.			
<ul> <li>6.3 Methods and Material For Contain spill and collect, as appropriate.</li> <li>Containment and Cleaning Transfer to a chemical waste container for disposal in accordance with local</li> </ul>								
					with local regulations.			
	Up:							
			Section 7. Har	ndling and Sto	orage			
7.1	Precau	tions To Be Taken	Avoid breathing dust/fume/ga	as/mist/vapours/sprag	у.			
	in Hand	dling:	Avoid prolonged or repeated	exposure.				
7.2	Precau	tions To Be Taken	Keep container tightly closed					
	in Stori	ing:	Store in accordance with info	rmation listed on the	product insert.			
						Multi-region format		



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	Sactio	on 8. Exposure Controls/Personal Protection				
3.1	Exposure Parameters:					
	•					
3.2	Exposure Controls:					
8.2.1		se process enclosures, local exhaust ventilation, or other engineering controls to control airborn				
	· ,	evels below recommended exposure limits.				
8.2.2	Personal protection equipment: Eye Protection: Safety glasses					
	•	ompatible chemical-resistant gloves				
	Other Protective Clothing:Lab coat					
	<b>Respiratory Equipment</b> NIOSH approved respirator, as conditions warrant.					
	(Specify Type):					
	Work/Hygienic/Maintenan D					
		acilities storing or utilizing this material should be equipped with an eyewash and a safety show /ash thoroughly after handling.				
		o data available.				
	Sec	ction 9. Physical and Chemical Properties				
9.1	Information on Basic Physic	al 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 n	nm No data.				
	Hg):					
	Vapor Density (vs. Air = 1):	No data.				
	Specific Gravity (Water = 1)	No data.				
	Solubility in Water:	No data.				
	Solubility Notes:	~0.5 mg/ml in a 1:1 solution of EtOH:PBS (pH 7.2); ~25 mg/ml in EtOH, DMSO, & DMF;				
	Octanol/Water Partition	No data.				
	Coefficient:					
	Autoignition Pt:	No data.				
	Decomposition Temperature	e: No data.				
	Viscosity:	No data.				
9.2	Other Information					
	Percent Volatile:	No data.				



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			Section 10. Stability and	Reactivi	ty			
10.1	Reactivit	y:	No data available.					
10.2	Stability	:	Unstable [ ] Stable [ X ]					
10.3	Stability	Note(s):	Stable if stored in accordance with informa	tion listed on	the product	insert.		
	Polymer	ization:	Will occur [ ] Will not occur [ X ]					
10.4	Conditio	ns To Avoid:	No data available.					
10.5	.5 Incompatibility - Materials oxidizing agents To Avoid:							
10.6	Hazardo	us	carbon dioxide					
	Decomp	osition or	carbon monoxide					
	Byprodu	cts:						
			Section 11. Toxicological	Informat	ion			
11.1	Informat	ion on	The toxicological effects of this product ha	ve not been t	horoughly st	udied.		
	Toxicolo	gical Effects:	Corticosterone - Toxicity Data: Subcutanee	ous TDLO (ra	it): 5 mg/kg;	Intraperitoneal	TDLO (mous	
			10 mg/kg; Subcutaneous TDLO (mouse):	18 mg/kg; Inti	raperitoneal	TDLO (mouse)	): 10 mg/kg; <b>(</b>	
			TDLO (rat): 1140 mg/kg/28D (continuous);					
	Chronic	Toxicological	Corticosterone - Investigated as a drug, hormone, mutagen, and reproductive effector.					
	Effects:		Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.					
			Corticosterone RTECS Number: GM76500	000				
CAS	#	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
50	-22-6	Corticosterone		n.a.	n.a.	n.a.	n.a.	
			Section 12. Ecological Ir	formatic	n			
12.1	Toxicity:		Avoid release into the environment.					
	•		Runoff from fire control or dilution water may cause pollution.					
			Runoff from fire control or dilution water m	ay cause poil				
12.2	Persiste	nce and	No data available.	ay cause poil				
12.2	Persister Degrada			ay cause poir				
		bility:		ay cause poir				
12.2 12.3	Degrada	bility: mulative	No data available.	ay cause poir				
12.3	Degrada Bioaccur Potentia	bility: mulative I:	No data available. No data available.	ay cause poir				
12.3 12.4	Degrada Bioaccur Potentia Mobility	bility: mulative I: in Soil:	No data available. No data available. No data available.	ay cause poir				
12.3	Degrada Bioaccur Potentia Mobility Results o	bility: mulative I: in Soil: of PBT and vPvB	No data available. No data available.	ay cause poir				
12.3 12.4 12.5	Degrada Bioaccur Potential Mobility Results assessm	bility: mulative I: in Soil: of PBT and vPvB eent:	No data available. No data available. No data available.	ay cause poir				
12.3 12.4	Degrada Bioaccur Potential Mobility Results assessm	bility: mulative I: in Soil: of PBT and vPvB	No data available. No data available. No data available. No data available. No data available.					
12.3 12.4 12.5	Degrada Bioaccur Potential Mobility Results assessm Other ad	bility: mulative I: in Soil: of PBT and vPvB ent: verse effects:	No data available. No data available. No data available. No data available.	sideratic	ons			

# Cayman

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		Section 14. Trans	sport Informa	tion		
14.1 LAND T	RANSPORT (US I	DOT):				
DOT Prope	r Shipping Name:	Not dangerous goods.				
DOT Hazar	d Class:					
UN/NA Number:						
	RANSPORT (Euro	. ,				
ADR/RID S UN Numbe	hipping Name: r·	Not dangerous goods.				
Hazard Cla						
14.3 AIR TR/	ANSPORT (ICAO/I	ATA):				
ICAO/IATA	Shipping Name:	Not dangerous goods.				
Additional Trai	nsport	Transport in accordance with loo	cal, state, and federa	I regulations.		
Information:						
		Section 15. Regul	atory Informa	tion		
EPA SARA (Su	perfund Amendm	ents and Reauthorization Act o	of 1986) Lists			
CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
50-22-6	Corticosterone		No	No	No	
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or	State Lists		
50-22-6	Corticosterone		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
Regulatory Info	ormation	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC)				
Statement:		No.1272/2008.				
		Section 16. Oth	er Informatio	n		
Revision Date:		09/07/2018				
Additional Info	mation 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.				