

		ng to Regulation (EC) No. 1907/2006 as amended by					
	Section 1. Ide	ntification of the Substance/Mixture and of the	ne Company/Undertaking				
1	Product Code: Product Name: Synonyms:	me: Mesterolone					
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 number	er:					
	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	Acute Toxicity: Inhalation, Acute Toxicity: Oral, Categ Acute Toxicity: Skin, Categ Carcinogenicity, Category Toxic To Reproduction, Ca Toxic To Reproduction, Eff Aquatic Toxicity (Chronic), Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowed. H312: Harmful if swallowed. H312: Harmful if inhaled. H351: Suspected of causing H360: May damage fertility o H362: May cause harm to bro	ory 4 Jory 4 2 tegory 1B ects on or via lactation Category 2 Danger n skin. cancer. r the unborn child.					

Multi-region format

2.3

GHS Precaution Phrases						
P201: Obtain special instru	uctions before use.					
P202: Do not handle until a	all safety precautions have been read and understood.					
P260: Do not breathe {dus	st/fume/gas/mist/vapors/spray}.					
P263: Avoid contact during	g pregnancy/while nursing.					
P264: Wash {hands} thoroughly after handling.						
P273: Avoid release to the	environment.					
P280: Wear {protective glo	oves/protective clothing/eye protection/face protection}.					
GHS Response Phrases:	<u>.</u>					
P301+312: IF SWALLOWE	ED: P312: Call a POISON CENTER or doctor/physician if you feel unwell.					
P302+352: IF ON SKIN: W	Vash with plenty of soap and water.					
P304+340: IF INHALED: R	Remove victim to fresh air and keep at rest in a position comfortable for breathing.					
P308+313: IF exposed or o	concerned: Get medical attention/advice.					
P321: Specific treatment {	see on this label}.					
P330: Rinse mouth.						
P362+364: Take off contar	minated clothing and wash it before reuse.					
P391: Collect spillage.						
GHS Storage and Dispos	sal Phrases:					
Please refer to Section 7 for Storage and Section 13 for Disposal information.						
Adverse Human Health	Harmful if inhaled, swallowed, or in contact with skin.					
Effects and Symptoms:	Material may be irritating to the mucous membranes and upper respiratory tract.					
	May cause harm to breast-fed children.					
	May cause eye, skin, or respiratory system irritation.					
	May damage fertility or the unborn child.					
	Suspected of causing cancer.					
	Toxic to aquatic life with long lasting effects.					
	To the best of our knowledge, the toxicological properties have not been thoroughly investigated.					
Secti	ion 3. Composition/Information on Ingredients					

CAS # / RTECS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
1424-00-6	mesterolone	100.0 %	215-836-3	Acute Tox.(O) 4: H302
BV8063400			NA	Acute Tox.(D) 4: H312
				Acute Tox.(I) 4: H332
				Carcinogen 2: H351
				Toxic Lactate: H362
				Toxic Repro. 1B: H360
				Aquatic (C) 2: H411



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		Section 4. First Aid Measures
4.1	Description of First Aid	
	Measures:	
	In Case of Inhalation:	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
	In Case 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 of Eye Contact:	Hold eyelids apart and flush eyes with plenty of water for at least 15 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 unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.
		Section 5. Fire Fighting Measures
5.1	Suitable Extinguishing	Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.
	Media:	Use water spray to cool fire-exposed containers.
	Unsuitable Extinguishing Media:	A solid water stream may be inefficient.
5.2	Flammable Properties an Hazards:	<b>d</b> No data available.
		No data available.
	Flash Pt:	No data.
	Explosive Limits:	LEL: No data. UEL: No data.
	Autoignition Pt:	No data.
5.3	Fire Fighting Instructions	: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.
		Section 6. Accidental Release Measures
6.1	Protective Precautions,	Avoid raising and breathing dust, and provide adequate ventilation.
	Protective Equipment an	d 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 Precautions:	Take steps to avoid release into the environment, if safe to do so.
6.3	Methods and Material Fo	r Contain spill and collect, as appropriate.
	Containment and Cleanir Up:	hgTransfer to a chemical waste container for disposal in accordance with local regulations.
		Section 7. Handling and Storage
<b></b> 7.1	Precautions To Be Taken	Avoid breathing dust/fume/gas/mist/vapours/spray.
	in Handling:	Avoid prolonged or repeated exposure.
7.2		Keep container tightly closed.
	in Storing:	Store in accordance with information listed on the product insert.
	Sec	tion 8. Exposure Controls/Personal Protection
8.1	Exposure Parameters:	

Multi-region format



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8.2	Exposure Controls:					
8.2.1	• •	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne				
	,	levels below recommended exposure limits.				
8.2.2	· · · ·					
		Safety glasses				
		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 shower				
		Wash thoroughly after handling.				
	No data available.					
	Se	ection 9. Physical and Chemical Properties				
9.1	Information on Basic Physi	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.				
	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	I): No data.				
	Solubility in Water:	No data.				
	Octanol/Water Partition	No data.				
	Coefficient:					
	Autoignition Pt:	No data.				
	Decomposition Temperatu	Ire: No data.				
	Viscosity:	No data.				
9.2	Other Information					
	Percent Volatile:	No data.				
	Molecular Formula & Weig					
	melocalar i ornidia a Mely					

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# Cayman

## SAFETY DATA SHEET Mesterolone

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			Section 10. Stability and	Reactiv	vity			
10.1	Reactivi	:y:	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	oxidizing agents					
	To Avoid	1:						
10.6	Hazardo	us	carbon dioxide					
		osition or	carbon monoxide					
	Byprodu	cts:						
			Section 11. Toxicological	Informa	ation			
11.1	Informat	ion on	The toxicological effects of this product ha	ve not beer	n thoroughly st	udied.		
	Toxicolo	gical Effects:	Mesterolone - Toxicity Data: Subcutaneous	s TDLO (ra	t): 600 ug/kg;			
	Chronic	Toxicological	Mesterolone - Investigated as a hormone a	-				
	Effects:		Only select Registry of Toxic Effects of Ch		stances (RTE	CS) data is pre	sented here.	
			See actual entry in RTECS for complete in Mesterolone RTECS Number: BV8063400					
<u></u>	"					400"	00111	
CAS			ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
142	4-00-6	mesterolone		n.a.	n.a.	n.a.	n.a.	
			Section 12. Ecological Ir	nformat	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.					
12.3	Bioaccu Potentia		No data available.					
12.3 12.4		l:	No data available. No data available.					
	Potentia Mobility	l: in Soil:						
12.4	Potentia Mobility	l: in Soil: of PBT and vPvB	No data available.					
12.4 12.5	Potentia Mobility Results assessm	l: in Soil: of PBT and vPvB	No data available.					
12.4 12.5	Potentia Mobility Results assessm	l: in Soil: of PBT and vPvB nent:	No data available. No data available.	siderat	ions			
12.4	Potentia Mobility Results assessm Other ad	l: in Soil: of PBT and vPvB nent:	No data available. No data available. No data available. Section 13. Disposal Con					
12.4 12.5 12.6	Potentia Mobility Results assessm Other ad	I: in Soil: of PBT and vPvB ent: verse effects:	No data available. No data available. No data available. <b>Section 13. Disposal Con</b> Dispose in accordance with local, state, ar	nd federal re	egulations.			
12.4 12.5 12.6 13.1	Potentia Mobility Results assessm Other ad	l: in Soil: of PBT and vPvB nent: verse effects: isposal Method:	No data available. No data available. No data available. Section 13. Disposal Con Dispose in accordance with local, state, ar Section 14. Transport Ir	nd federal re	egulations.			
12.4 12.5 12.6 13.1 14.1	Potentia Mobility Results assessm Other ad Waste D	I: in Soil: of PBT and vPvB hent: verse effects: isposal Method: RANSPORT (US I	No data available. No data available. No data available. Section 13. Disposal Con Dispose in accordance with local, state, ar Section 14. Transport Ir	nd federal re	egulations.			
12.4 12.5 12.6 13.1 14.1	Potentia Mobility Results assessm Other ad Waste D LAND T OT Prope	I: in Soil: of PBT and vPvB nent: verse effects: isposal Method: RANSPORT (US I r Shipping Name:	No data available. No data available. No data available. Section 13. Disposal Con Dispose in accordance with local, state, ar Section 14. Transport Ir	nd federal re	egulations.			
12.4 12.5 12.6 13.1 14.1 D	Potentia Mobility Results assessm Other ad Waste D	I: in Soil: of PBT and vPvB hent: verse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class:	No data available. No data available. No data available. Section 13. Disposal Con Dispose in accordance with local, state, ar Section 14. Transport Ir	nd federal re	egulations.			
12.4 12.5 12.6 13.1 14.1 D U	Potentia Mobility Results assessm Other ad Waste D LAND T OT Prope OT Hazard	I: in Soil: of PBT and vPvB hent: verse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class: hber:	No data available. No data available. No data available. Section 13. Disposal Con Dispose in accordance with local, state, ar Section 14. Transport Ir DOT): Not dangerous goods.	nd federal re	egulations.			
12.4 12.5 12.6 13.1 14.1 D U 14.1	Potentia Mobility Results assessm Other ad Waste D LAND T OT Prope OT Hazard N/NA Nun LAND T	I: in Soil: of PBT and vPvB nent: verse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class: nber: RANSPORT (Euro	No data available. No data available. No data available. Section 13. Disposal Con Dispose in accordance with local, state, ar Section 14. Transport Ir DOT): Not dangerous goods.	nd federal re	egulations.			
12.4 12.5 12.6 13.1 14.1 D U 14.1 A	Potentia Mobility Results assessm Other ad Waste D LAND T OT Prope OT Hazard N/NA Nun LAND T	I: in Soil: of PBT and vPvB nent: verse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class: nber: RANSPORT (Euro nipping Name:	No data available. No data available. No data available. Section 13. Disposal Con Dispose in accordance with local, state, ar Section 14. Transport Ir DOT): Not dangerous goods.	nd federal re	egulations.			
12.4 12.5 12.6 13.1 14.1 D U 14.1 A U	Potentia Mobility Results assessm Other ad Waste D LAND T OT Prope OT Hazard N/NA Nun LAND T DR/RID SI	I: in Soil: of PBT and vPvB nent: verse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class: nber: RANSPORT (Euro nipping Name: :	No data available. No data available. No data available. Section 13. Disposal Con Dispose in accordance with local, state, ar Section 14. Transport Ir DOT): Not dangerous goods.	nd federal re	egulations.			
12.4 12.5 12.6 13.1 14.1 D U 14.1 A U	Potentia Mobility Results assessm Other ad Waste D LAND T OT Prope OT Hazard N/NA Nun LAND T DR/RID SI N Number	I: in Soil: of PBT and vPvB nent: verse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class: nber: RANSPORT (Euro nipping Name: :	No data available. No data available. No data available. Section 13. Disposal Con Dispose in accordance with local, state, ar Section 14. Transport Ir DOT): Not dangerous goods.	nd federal re	egulations.			

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14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name:

Transport in accordance with local, state, and federal regulations.

Not dangerous goods.

Information:

**Additional Transport** 

# Section 15. Regulatory Information

CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
1424-00-6 mesterolone			No	No	No	
CAS # Hazardous Com		ponents (Chemical Name) Other US B		her US EPA or State Lists		
1424-00-6 mesterolone			CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
Regulatory Inf Statement:	formation	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.				
		Section 16. Ot	her Information	on		
Revision Date	:	04/22/2017				
Additional Info This Product:	ormation About	No data available.				
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 warrant 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.				