

Revision: 07/24/2019

		accordir	ng to Regulation (EC) No. 1907/2006 as a	mended by (EC) No. 2015/8	330 and US OSHA HCS	2015		
		Section 1.	Identification of the Substan	ce/Mixture and of t	the Company/U	ndertaking		
1.1	Product Product Synony	t Name: ms:				-oxocholan-24-yl]-glycine;		
1.2			f the substance or mixture a		-			
		ant identified uses	, , , , , , , , , , , , , , , , , , ,	ot for human or veter	rinary use.			
1.3		of the Supplier of t any Name:	the Safety Data Sheet: Cayman Chemical Comp 1180 E. Ellsworth Rd. Ann Arbor, MI 48108	any				
		ite address:	www.caymanchem.com					
		nation:	Cayman Chemical Comp	any	+1 (73	4)971-3335		
1.4	-	ncy telephone nur			. 4 (00	0) 40.4,0000		
	Emerg	gency Contact:	CHEMTREC Within USA CHEMTREC Outside US		•	0)424-9300 3)527-3887		
						-,		
			Section 2. Haz		auon			
2.1		cation of the Subs	tance or Mixture:					
2.2		lements:						
		Signal Word:	None					
		Hazard Phrases:	urrantly available data this sub	atonoo or mivturo io i	not alogoifichle or	poording to CUS		
			irrently available data this sub		not classifiable at			
			aution Phrases:					
	-	phrases apply. IS Response Phrases:						
	No phrases apply.							
	•	GHS Storage and Disposal Phrases:						
	Please refer to Section 7 for Storage and Section 13 for Disposal information.							
2.3		e Human Health	Material may be irritating to the	-		spiratory tract.		
Effects and Symptoms: May be harmful by inhalation, ingestion, or skin absorption.								
			May cause eye, skin, or resp					
			To the best of our knowledge	, the toxicological pr	operties have not	t been thoroughly investigated.		
		Sect	ion 3. Composition	/Information of	on Ingredie	nts		
CAS RTE	#/ CS #	Hazardous Components (Chemical Name)/ REACH Registration No.		Concentration	EC No./ EC Index No.	GHS Classification		
863239-60-5		Glyco-Obeticholic Acid		100.0 %	NA	No data available.		
NA					NA			

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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:	g A solid water stream may be inefficient.				
5.2	Flammable Properties an Hazards:	I <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	s: 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	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:	Ig mansier to a chemical waste container for disposal in accordance with local regulations.				
		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	NKeep 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:					

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	HEMICAL						
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					
	Protective Gloves:	Compatible chemical-resistant gloves					
	Other Protective Clothing:	Lab coat					
	Respiratory Equipment	H approved respirator, as conditions warrant.					
	(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					
		Wash thoroughly after handling.					
		No data available.					
	Section 9. Physical and Chemical Properties						
9.1		ical and Chemical Properties					
	Physical States:	[]Gas []Liquid [X]Solid					
	Appearance and Odor:	A 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:	Soluble (slightly) in: DMSO; MeOH;					
	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						
1							

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			Section 10. Stability a					
10.1	Reactivi	ty:	No data available.					
10.2	Stability	:	Unstable [ ] Stable [ X ]					
10.3 Stability Note(s):		Note(s):	Stable if stored in accordance with information listed on the product insert.					
	Polymerization:		Will occur [ ] Will not occur [ X ]					
10.4	Conditio	ons To Avoid:	No data available.					
10.5	Incompa	atibility - Materials	strong oxidizing agents					
To Avoid:								
10.6	Hazardous		carbon dioxide					
	Decomposition or		carbon monoxide					
	Byproducts:		nitrogen oxides					
			Section 11. Toxicologic	al Informa	ation			
11.1	Informat	ion on	The toxicological effects of this produc	t have not beer	n thoroughly st	udied.		
	Toxicolo	gical Effects:						
CAS #	#	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
8632	00 00 F							
0002	39-60-5	Glyco-Obeticholic	Acid	n.a.	n.a.	n.a.	n.a.	
0002	39-60-5	Glyco-Obeticholic				n.a.	n.a.	
		<u> </u>	Section 12. Ecologica			n.a.	n.a.	
12.1	Toxicity	<u> </u>	Section 12. Ecologica Avoid release into the environment.	I Informat	ion	n.a.	n.a.	
		<u>.</u>	Section 12. Ecologica	I Informat	ion	n.a.	n.a.	
12.1	Toxicity Persiste	nce and	Section 12. Ecologica Avoid release into the environment. Runoff from fire control or dilution wate	I Informat	ion	n.a.	n.a.	
12.1	Toxicity Persiste Degrada	nce and	Section 12. Ecologica Avoid release into the environment. Runoff from fire control or dilution wate	I Informat	ion	n.a.	n.a.	
12.1 12.2	Toxicity Persiste Degrada	nce and bility: mulative	Section 12. Ecologica Avoid release into the environment. Runoff from fire control or dilution wate No data available.	I Informat	ion	n.a.	n.a.	
12.1 12.2	Toxicity Persiste Degrada Bioaccu	nce and bility: mulative I:	Section 12. Ecologica Avoid release into the environment. Runoff from fire control or dilution wate No data available.	I Informat	ion	n.a.	n.a.	
12.1 12.2 12.3	Toxicity Persiste Degrada Bioaccu Potentia Mobility	nce and bility: mulative I: in Soil:	Section 12. Ecologica Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available.	I Informat	ion	n.a.	n.a.	
12.1 12.2 12.3 12.4	Toxicity Persiste Degrada Bioaccu Potentia Mobility	nce and bility: mulative I: in Soil: of PBT and vPvB	Section 12. Ecologica Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available.	I Informat	ion	n.a.	n.a.	
12.1 12.2 12.3 12.4	Toxicity Persiste Degrada Bioaccu Potentia Mobility Results assessn	nce and bility: mulative I: in Soil: of PBT and vPvB	Section 12. Ecologica Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available.	I Informat	ion	n.a.	n.a.	
12.1 12.2 12.3 12.4 12.5	Toxicity Persiste Degrada Bioaccu Potentia Mobility Results assessn	nce and bility: mulative I: in Soil: of PBT and vPvB nent:	Section 12. Ecologica Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available. No data available. No data available.	I Informat	ion ollution.	n.a.	n.a.	
12.1 12.2 12.3 12.4 12.5	Toxicity Persiste Degrada Bioaccu Potentia Mobility Results assessn Other ac	nce and bility: mulative I: in Soil: of PBT and vPvB nent:	Section 12. Ecologica Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available. No data available. No data available.	I Informat	ion ollution.	n.a.	n.a.	
12.1 12.2 12.3 12.4 12.5 12.6	Toxicity Persiste Degrada Bioaccu Potentia Mobility Results assessn Other ac	nce and bility: mulative I: in Soil: of PBT and vPvB nent: Iverse effects:	Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available. No data available. No data available. No data available. Section 13. Disposal C	I Informat	ion ollution. ions egulations.	n.a.	n.a.	
12.1 12.2 12.3 12.4 12.5 12.6	Toxicity Persiste Degrada Bioaccu Potentia Mobility Results assessn Other ac	nce and bility: mulative I: in Soil: of PBT and vPvB nent: Iverse effects:	Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available. No data available. No data available. No data available. Section 13. Disposal C Dispose in accordance with local, state Section 14. Transpor	I Informat	ion ollution. ions egulations.	n.a.	n.a.	
12.1 12.2 12.3 12.4 12.5 12.6 13.1 14.1	Toxicity Persiste Degrada Bioaccu Potentia Mobility Results assessm Other ac Waste D	nce and bility: mulative l: in Soil: of PBT and vPvB nent: Iverse effects: isposal Method:	Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available. No data available. No data available. No data available. Section 13. Disposal C Dispose in accordance with local, state Section 14. Transpor	I Informat	ion ollution. ions egulations.	n.a.	n.a.	
12.1 12.2 12.3 12.4 12.5 12.6 13.1 14.1 D	Toxicity Persiste Degrada Bioaccu Potentia Mobility Results assessm Other ac Waste D	nce and ibility: mulative l: in Soil: of PBT and vPvB nent: lverse effects: isposal Method: RANSPORT (US I r Shipping Name:	Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available. No data available. No data available. No data available. Section 13. Disposal C Dispose in accordance with local, state Section 14. Transpor	I Informat	ion ollution. ions egulations.	n.a.	n.a.	
12.1 12.2 12.3 12.4 12.5 12.6 13.1 14.1 D	Toxicity Persiste Degrada Bioaccu Potentia Mobility Results assessn Other ac Waste D LAND T	nce and bility: mulative l: in Soil: of PBT and vPvB nent: lverse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class:	Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available. No data available. No data available. No data available. Section 13. Disposal C Dispose in accordance with local, state Section 14. Transpor	I Informat	ion ollution. ions egulations.	n.a.	n.a.	
12.1 12.2 12.3 12.4 12.5 12.6 13.1 14.1 D	Toxicity Persiste Degrada Bioaccu Potentia Mobility Results assessn Other ac Waste D LAND T OT Prope OT Hazar	nce and bility: mulative l: in Soil: of PBT and vPvB nent: lverse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class:	Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available. No data available. No data available. No data available. No data available. Section 13. Disposal C Dispose in accordance with local, state Section 14. Transpor	I Informat	ion ollution. ions egulations.	n.a.	n.a.	
12.1 12.2 12.3 12.4 12.5 12.6 13.1 14.1 D( U) 14.1	Toxicity Persiste Degrada Bioaccu Potentia Mobility Results assessn Other ac Waste D LAND T OT Prope OT Hazar N/NA Nun LAND T	nce and ibility: mulative l: in Soil: of PBT and vPvB nent: lverse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class: nber:	Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available. No data available. No data available. No data available. No data available. Section 13. Disposal C Dispose in accordance with local, state Section 14. Transpor	I Informat	ion ollution. ions egulations.	n.a.	n.a.	
12.1 12.2 12.3 12.4 12.5 12.6 13.1 14.1 D <sup>0</sup> UI 14.1 A	Toxicity Persiste Degrada Bioaccu Potentia Mobility Results assessn Other ac Waste D LAND T OT Prope OT Hazar N/NA Nun LAND T	nce and ibility: mulative l: in Soil: of PBT and vPvB nent: lverse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class: nber: RANSPORT (Euro hipping Name:	Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available. No data available. No data available. No data available. Section 13. Disposal C Dispose in accordance with local, state Section 14. Transpor DOT): Not dangerous goods.	I Informat	ion ollution. ions egulations.	n.a.	n.a.	



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)	
863239-60-5 Glyco-Obeticholid		c Acid	No	No	No	
CAS # Hazardous Com		nponents (Chemical Name) Other US EPA or State Lists		•		
863239-60-5	Glyco-Obeticholic Acid		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
Regulatory Inf	ormation	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.				
		Section 16. Oth	ner Information	n		
Revision Date:		07/24/2019				
Additional Info	rmation About	No data available.				
This Product:						
Company Polic	cy 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.				