

SAFETY DATA SHEET Tamsulosin-d4 (hydrochloride)

Revision: 09/14/2019

	Section 1.	Identification of the Substance/Mixture and of the	e Company/Undertaking			
.1	Product Code: Product Name: Synonyms:	28486 Tamsulosin-d4 (hydrochloride) 5-[(2R)-2-[[2-(2-ethoxyphenoxy)ethyl-1,1,2,2-d4 monohydrochloride;	4]amino]propyl]-2-methoxy-benzenesulfonamic			
.2	Relevant identified uses of the substance or mixture and uses advised against:					
	Relevant identified uses	-				
1.3	Details of the Supplier of	, , , , , , , , , , , , , , , , , , ,				
	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	mber:				
	Emergency Contact:	CHEMTREC Within USA and Canada: CHEMTREC Outside USA and Canada:	+1 (800)424-9300 +1 (703)527-3887			
		Section 2. Hazards Identifica	ation			
	Acute Toxicity: Oral, Ca Label Elements:	stance or Mixture: Itegory 4				
	Acute Toxicity: Oral, Ca Label Elements:	ategory 4				
.1	Acute Toxicity: Oral, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowe	warning ed.				
	Acute Toxicity: Oral, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases:	warning ed. Is: oughly after handling.				
	Acute Toxicity: Oral, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowe GHS Precaution Phrase P264: Wash {hands} thore GHS Response Phrases	warning ed. Is: oughly after handling.	you feel unwell.			
	Acute Toxicity: Oral, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowe GHS Precaution Phrase P264: Wash {hands} thor GHS Response Phrases P301+312: IF SWALLOW P330: Rinse mouth. GHS Storage and Dispo	Warning ed. s: oughly after handling. : /ED: Call a POISON CENTER or doctor/physician if sal Phrases:				
.2	Acute Toxicity: Oral, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowe GHS Precaution Phrase P264: Wash {hands} thore GHS Response Phrases P301+312: IF SWALLOW P330: Rinse mouth. GHS Storage and Dispo Please refer to Section 7	Warning ed. s: oughly after handling. s: /ED: Call a POISON CENTER or doctor/physician if sal Phrases: for Storage and Section 13 for Disposal information.				
	Acute Toxicity: Oral, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowe GHS Precaution Phrase P264: Wash {hands} thor GHS Response Phrases P301+312: IF SWALLOW P330: Rinse mouth. GHS Storage and Dispo	Warning ed. s: oughly after handling. c: /ED: Call a POISON CENTER or doctor/physician if sal Phrases: for Storage and Section 13 for Disposal information. Harmful if swallowed. Material may be irritating to the mucous membrane May be harmful by inhalation or skin absorption.	es and upper respiratory tract.			
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2	Acute Toxicity: Oral, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowe GHS Precaution Phrase P264: Wash {hands} thore GHS Response Phrases P301+312: IF SWALLOW P330: Rinse mouth. GHS Storage and Dispo Please refer to Section 7 Adverse Human Health	Warning ed. s: oughly after handling. c: /ED: Call a POISON CENTER or doctor/physician if sal Phrases: for Storage and Section 13 for Disposal information. Harmful if swallowed. Material may be irritating to the mucous membrane May be harmful by inhalation or skin absorption. May cause eye, skin, or respiratory system irritation	es and upper respiratory tract. n.			
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			tion 3. Composition						
CAS RTE	-	Hazardous Comp REACH Registra	oonents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	GHS Classification			
NA Tamsulo NA		Tamsulosin-d4 (hyd	nsulosin-d4 (hydrochloride)		NA NA	Acute Tox.(O) 4: H302			
	Section 4. First Aid Measures								
4.1	Descrip	tion 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 attent	tion.					
	In Case	of Skin Contact:	-			5 minutes. Remove contaminated			
			clothing. Get medical attentio		-				
In Case of Eye Contact:			•		ater for at least 1	5 minutes. Have eyes examined			
			and tested by medical person			in and in a burner of the sec			
	In Case	of Ingestion:	Wash out mouth with water p	-	-	ng unless directed to do so by			
			medical personnel.			ing unless unected to do so by			
			-						
			Section 5. Fire						
5.1		e Extinguishing	Use alcohol-resistant foam, o		r, or dry chemical	spray.			
	Media:		Use water spray to cool fire-exposed containers.						
		suitable Extinguishing A solid water stream may be inefficient.							
5.0	Media:		-Ne dete eveileble						
5.2	Hazard	-	d No data available.						
	nazaru	5.	No data available.						
	Flash Pt:		No data.						
		ve Limits:	LEL: No data.	UEL: No da	ata				
	-	nition Pt:	No data.						
5.3	-			ained breathing ann	aratus pressure-d	emand (NIOSH approved or			
			: 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		ive Precautions,	Avoid raising and breathing	•	•				
						eathing apparatus, or respirator,			
Emergency Procedures:			and appropriate personal pro						
6.2	Enviror Precaut		Take steps to avoid release	into the environmen	t, II Sate to do so.				
6.2			· Contain anill and collect as	oppropriato					
6.3		lethods and Material For Contain spill and collect, as appropriate.							
	Up:								
	~4.		• • • • •						
			Section 7. Har	ndling and Sto	orage				
7.1			Avoid breathing dust/fume/ga		у.				
	in Hand	lling:	Avoid prolonged or repeated	exposure.					
7.2			To Be Taken Keep container tightly closed.						
	in Stori	ng:	Store in accordance with info	ormation listed on the	e product insert.				
1	Multi-region format								



	Sectio	on 8. Exposure Controls/Personal Protection					
8.1	Exposure Parameters:						
8.2	Exposure Controls:						
8.2.1	.2.1 Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to co						
	evels below recommended exposure limits.						
8.2.2	Personal protection equipment:						
	Eye Protection: S	afety glasses					
	Protective Gloves: C	Gloves: Compatible chemical-resistant gloves					
	Other Protective Clothing:Lab coat						
	Respiratory Equipment NIOSH approved respirator, as conditions warrant.						
	(Specify Type):						
	Work/Hygienic/Maintenan D	o not take internally.					
		Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower					
		Vash thoroughly after handling.					
	N	lo 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 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)						
	Solubility in Water:	No data.					
	Solubility Notes:	Soluble (slightly) in: MeOH;					
	Octanol/Water Partition	No data.					
	Coefficient:						
	Autoignition Pt:	No data. e: No data.					
	Decomposition Temperature	No data.					
0.2	Viscosity: Other Information						
9.2	Percent Volatile:	No data.					
	Molecular Formula & Weigh						
	molecular Formula & Weigh	I. C20124D412C033 • 11C1 445.0					



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			Section 10. Stability	and Reactiv	vity				
10.1	Reactivity: No data available.								
10.2									
10.3	Stability	Note(s):	Stable if stored in accordance with	information listed o	on the product	insert.			
	Polymer	ization:	Will occur [] Will not occur [X	(]					
10.4	Conditio	ons To Avoid:	No data available.						
10.5	Incompa	atibility - Materials	strong oxidizing agents						
	To Avoi	d:							
10.6	Hazardo		carbon dioxide						
	Decomposition or		carbon monoxide						
	Byprodu	icts:	hydrogen chloride nitrogen oxides						
			sulfur oxides						
				nical Informa	tion				
	Information		Section 11. Toxicolog			udiad			
11.1	Informat Toxicolo	ogical Effects:	The toxicological effects of this pro-	auct have not been	i moroughly si	ludied.			
CAS		-	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA		
545	# NA	Tamsulosin-d4 (h	· · · · ·	n.a.	n.a.	n.a.	n.a.		
	11/1								
			Section 12. Ecologi	cal Informati	ion				
12.1	Toxicity	:	Avoid release into the environment						
			Runoff from fire control or dilution water may cause pollution.						
12.2	Persiste		No data available.						
	Degrada	-							
12.3		mulative	No data available.						
	Potentia								
12.4	Mobility	in Soil:	No data available.						
12.5	Results	of PBT and vPvB	No data available.						
	assessn								
12.6	Other ac	lverse effects:	No data available.						
			Section 13. Disposal	Considerati	ions				
13.1	Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.								
			Section 14. Transp	ort Informat	ion				
14.1	LAND T	RANSPORT (US I	DOT):						
D	OT Prope	r Shipping Name:	Not dangerous goods.						
D	OT Hazar	d Class:							
U	N/NA Nur	nber:							
14.1	LAND T	RANSPORT (Euro	opean ADR/RID):						
Α	DR/RID S	hipping Name:	Not dangerous goods.						
U	N Numbe	r:							
н	azard Cla	SS:							



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14.3	AIR	TRANSF	PORT	(ICAO	/IATA)	-

ICAO/IATA Shipping Name: Not

Not dangerous goods.
Transport in accordance with local, state, and federal regulations.

Additional Transport Information:

Section 15. Regulatory Information

CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
NA	Tamsulosin-d4 (r	nydrochloride)	No	No	No	
CAS # Hazardous Com		mponents (Chemical Name) Other US EPA or State Lists			•	
NA	Tamsulosin-d4 (r	nydrochloride)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
Regulatory Info Statement:	ormation	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.				
		Section 16. Ot	her Informatio	n		
Revision Date:		09/14/2019				
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.				