

Revision: 12/28/2018 Supersedes Revision: 03/12/2014

	Ű	p Regulation (EC) No. 1907/2006 as amended by (EC) No. 2015/830							
	Section 1. Ide	entification of the Substance/Mixture and of th	e Company/Undertaking						
1.1	Product Code:	14737							
	Product Name:	Posaconazole							
	Synonyms:	2,5-anhydro-1,3,4-trideoxy-2-C-(2,4-difluorophenyl)-4-[[4-[4-[4-[4-[1-[(1S,2S)-1-ethyl-2-hydroxyprop							
			nyl]-1-piperazinyl]phenoxy]methyl]-1-(1H-1,2,4-tr						
		zol-1-yl)-D-threo-pentitol; POS; SCH 56592;							
1.2	Relevant identified uses of t	he substance or mixture and uses advised aga	ainst:						
	Relevant identified uses:	For research use only, not for human or vetering	nary 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						
1.4	Emergency telephone numb								
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300						
		CHEMTREC Outside USA and Canada:	+1 (703)527-3887						
		Section 2. Hazards Identifica	ation						
	GHS Signal Word:	Danger							
	GHS Signal Word: GHS Hazard Phrases:	Danger							
	GHS Hazard Phrases:	<b>Danger</b> ng fertility or the unborn child.							
	GHS Hazard Phrases: H361: Suspected of damagi	-							
	GHS Hazard Phrases: H361: Suspected of damagi	ng fertility or the unborn child. gans through prolonged or repeated exposure.							
	GHS Hazard Phrases: H361: Suspected of damagin H372: Causes damage to or	ng fertility or the unborn child. rgans through prolonged or repeated exposure. ife.							
	GHS Hazard Phrases: H361: Suspected of damagin H372: Causes damage to or H400: Very toxic to aquatic I	ng fertility or the unborn child. rgans through prolonged or repeated exposure. ife.							
	GHS Hazard Phrases: H361: Suspected of damagi H372: Causes damage to or H400: Very toxic to aquatic I H410: Very toxic to aquatic I	ng fertility or the unborn child. rgans through prolonged or repeated exposure. ife. ife with long lasting effects.							
	GHS Hazard Phrases: H361: Suspected of damagin H372: Causes damage to or H400: Very toxic to aquatic I H410: Very toxic to aquatic I GHS Precaution Phrases: P201: Obtain special instruct	ng fertility or the unborn child. rgans through prolonged or repeated exposure. ife. ife with long lasting effects.	od.						
	GHS Hazard Phrases: H361: Suspected of damagin H372: Causes damage to or H400: Very toxic to aquatic I H410: Very toxic to aquatic I GHS Precaution Phrases: P201: Obtain special instruct P202: Do not handle until all P260: Do not breathe {dust/f	ng fertility or the unborn child. rgans through prolonged or repeated exposure. ife. ife with long lasting effects. tions before use. I safety precautions have been read and understo fume/gas/mist/vapors/spray}.	od.						
	GHS Hazard Phrases: H361: Suspected of damagii H372: Causes damage to or H400: Very toxic to aquatic I H410: Very toxic to aquatic I GHS Precaution Phrases: P201: Obtain special instruct P202: Do not handle until all P260: Do not breathe {dust/t P264: Wash {hands} thoroug	ng fertility or the unborn child. rgans through prolonged or repeated exposure. ife. ife with long lasting effects. tions before use. I safety precautions have been read and understo fume/gas/mist/vapors/spray}. ghly after handling.	od.						
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#### Revision: 12/28/2018 Supersedes Revision: 03/12/2014 Please refer to Section 7 for Storage and Section 13 for Disposal information. 2.3 **Adverse Human Health** Causes damage to organs through prolonged or repeated exposure. **Effects and Symptoms:** Material may be irritating to the mucous membranes and upper respiratory tract. May be harmful by inhalation, ingestion, or skin absorption. May cause eye, skin, or respiratory system irritation. Suspected of damaging fertility or the unborn child. Very toxic to aquatic life with long lasting effects. To the best of our knowledge, the toxicological properties have not been thoroughly investigated. Section 3. Composition/Information on Ingredients CAS#/ Hazardous Components (Chemical Name)/ EC No./ GHS Classification Concentration **RTECS # REACH Registration No.** EC Index No. 171228-49-2 Posaconazole 100.0 % 682-747-8 Toxic Repro. 2: H361 XZ5481020 NA STOT (RE) 1: H372 Aquatic (A) 1: H400 Aquatic (C) 1: H410 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. Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined In Case of Eye Contact: 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. 4.2 Important Symptoms and May cause headache, nausea, disorientation, weakness, and convulsions if overexposure by ingestion or skin absorption, as poisoning symptoms. Effects, Both Acute and **Delayed:** Section 5. Fire Fighting Measures 5.1 Suitable Extinguishing Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers. Media: Unsuitable Extinguishing A solid water stream may be inefficient. Media: 5.2 Flammable Properties and No data available. Hazards: 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.

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## SAFETY DATA SHEET

Posaconazole

Cay	man			IC	Revision: 12/28/2018 Supersedes Revision: 03/12/2014
		Section 6. Accid	lental Relea	se Measures	
6.1	Protective Precautions, Protective Equipment and Emergency Procedures:		ear a NIOSH appr	oved self-contained b	ion. preathing apparatus, or respirator, es, and heavy rubber gloves).
6.2	Environmental Precautions:	Take steps to avoid rele	ase into the enviro	nment, if safe to do s	0.
6.3	Methods and Material For Containment and Cleaning Up:	-		disposal in accordan	ce with local regulations.
		Section 7. H	landling and	l Storage	
7.1	Precautions To Be Taken	void breathing dust/fur	e/gas/mist/vapours	s/spray.	
	in Handling:	void prolonged or repea	ated exposure.		
7.2	Precautions To Be Taken				
	in Storing:	tore in accordance with	information listed	on the product insert.	
	Secti	on 8. Exposure	Controls/Pe	ersonal Protec	tion
8.1	Exposure Parameters:				
8.2	Exposure Controls:				
8.2.1	Engineering Controls	lse process enclosures,	local exhaust vent	ilation, or other engir	neering controls to control airborne
	(Ventilation etc.):	evels below recommend	led exposure limits		
8.2.2	Personal protection equip	nent:			
	Eye Protection:	afety glasses			
	Protective Gloves:	compatible chemical-res	istant gloves		
	Other Protective Clothing:	ab coat			
	Respiratory Equipment	IIOSH approved respira	tor, as conditions v	varrant.	
	(Specify Type):				
	Work/Hygienic/Maintenan	-			
		-	-	ould be equipped with	n an eyewash and a safety shower.
		Vash thoroughly after ha Io data available.	andling.		
	Se	ction 9. Physic	al and Cherr	nical Propertie	S
9.1	Information on Basic Phys	al and Chemical Prop	erties		
	Physical States:		iquid [X] Solic	1	
	Appearance and Odor:	A crystalline solic	l		
	рН:	No data.			
	Melting Point:	No data.			
	Boiling Point:	No data.			
	Flash Pt:	No data. No data.			
	Evaporation Rate: Flammability (solid, gas):	No data available			
	Explosive Limits:	LEL: No data.	•	UEL: No data.	
	Vapor Pressure (vs. Air or				
	Hg):				
	Vapor Density (vs. Air = 1)	No data.			



	Specific	Gravity (Water =	1):	No data.						
	Solubilit	y in Water:		No data.						
	Solubility	y Notes:		~0.5 mg/ml in DMS	SO & DMF;					
	Octanol/	Water Partition		No data.						
	Coefficie	ent:								
	Autoigni	tion Pt:		No data.						
	-	osition Temperat	ure:	No data.						
	Viscosity	-		No data.						
9.2	Other Info									
5.2	Percent			No data.						
		ar Formula & Weig	abte	C37H42F2N8O4	700.8					
	Molecula		-							
			S	ection 10. St	tability and	Reactiv	/ity			
10.1	Reactivit	y:	No dat	a available.						
10.2	Stability	:	Unstat	ole [ ] Stable [	X ]					
10.3	Stability	Note(s):	Stable	if stored in accorda	ance with information	tion listed o	on the product	insert.		
	Polymer	ization:	Will oc	cur [ ] Will not	t occur [ X ]					
10.4	Conditio	ns To Avoid:	No dat	a available.						
10.5	Incompa	tibility - Materials	strong	oxidizing agents						
	To Avoid	1:								
10.6	Hazardo	us	carbor	dioxide						
	Decomp	osition or	carbor	monoxide						
	Byprodu		hydrog	en fluoride						
	,,		nitroge	n oxides						
			Se	ction 11. To:	xicological	Informa	ation			
11.1	Informat	ion on			•			udiod		
				toxicological effects of this product have not been thoroughly studied. aconazole - Toxicity Data: Oral TDLO (mouse): 300 mg/kg/30D (intermittent);						
		-								
		Toxicological	-	select Registry of Toxic Effects of Chemical Substances (RTECS) data is presentedh ere.						
	Effects:			ctual entry in RTECS for complete information. conazole RTECS Number: XZ5481020						
CAS	#	Hazardous Com	ponent	s (Chemical Name	:)	NTP	IARC	ACGIH	OSHA	
1712	28-49-2	Posaconazole				n.a.	n.a.	n.a.	n.a.	
			S	ection 12. E	cological In	formati	on			
12.1	Toxicity:		Avoid	Avoid release into the environment.						
	-		Runoff	from fire control or	dilution water ma	ay cause po	ollution.			
12.2	Persiste	nce and	No dat	a available.						
	Degrada									
12.3	Bioaccu	-	No dat	a available.						
12.5	Potentia									
12.4			No do	o ovoiloblo						
12.4	Mobility			a available.						
12.5		of PBT and vPvB	No dat	a available.						
	assessm									
12.6	Other ad	verse effects:	No dat	a available.						
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RANSPORT (US r Shipping Name d Class: nber: RANSPORT (Eur hipping Name:	Not dangerous goods.	al, state, and federal r	egulations.				
RANSPORT (US r Shipping Name d Class: nber: RANSPORT (Eur hipping Name:	Section 14. Tran DOT): : Not dangerous goods.		-				
r Shipping Name d Class: nber: RANSPORT (Eur hipping Name: ::	DOT): : Not dangerous goods. opean ADR/RID):	sport Informat	ion				
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	Not dangerous goods.						
SS:							
ANSPORT (ICAO/	IATA):						
Shipping Name:	Not dangerous goods.						
isport	Transport in accordance with Ic	ocal, state, and federa	l regulations.				
	Section 15. Regu	latory Informa	tion				
perfund Amendn	ŭ	, ,					
-		S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)			
Posaconazole		No	No	No			
Hazardous Com	ponents (Chemical Name) Other US EPA or State Lists						
Posaconazole		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No					
rmation	This SDS was prepared in acco	ordance with 29 CFR	1910.1200 and Re	gulation (EC)			
	No.1272/2008.						
	Section 16. Oth	ner Informatio	า				
	12/28/2018						
mation About	No data available.						
y 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.						
	Hazardous Com Posaconazole Hazardous Com	Section 15. Regu   perfund Amendments and Reauthorization Act   Hazardous Components (Chemical Name)   Posaconazole   Hazardous Components (Chemical Name)   Posaconazole   Hazardous Components (Chemical Name)   Posaconazole   rmation This SDS was prepared in accord No.1272/2008.   Section 16. Ott   12/28/2018   rmation About No data available.   y or Disclaimer: DISCLAIMER: This information currently available to us. However express or implied, with respect use. Users should make their or use.	Section 15. Regulatory Information   perfund Amendments and Reauthorization Act of 1986) Lists   Hazardous Components (Chemical Name) S. 302 (EHS)   Posaconazole No   Hazardous Components (Chemical Name) Other US EPA or S   Posaconazole CAA HAP,ODC: N   Posaconazole CAA HAP,ODC: N   Posaconazole CAA HAP,ODC: N   Prop.65: No PROP.65: No   This SDS was prepared in accordance with 29 CFR No.1272/2008.   Section 16. Other Information   12/28/2018 No data available.   y or Disclaimer: DISCLAIMER: This information is believed to be accurately available to us. However, we make no warrately available to	Section 15. Regulatory Information   perfund Amendments and Reauthorization Act of 1986) Lists   Hazardous Components (Chemical Name) S. 302 (EHS) S. 304 RQ   Posaconazole No No   Hazardous Components (Chemical Name) Other US EPA or State Lists   Posaconazole CAA HAP,ODC: No; CWA NPDES: PROP.65: No   Promation This SDS was prepared in accordance with 29 CFR 1910.1200 and Re No.1272/2008.   Section 16. Other Information   12/28/2018   rmation About No data available.   y or Disclaimer: DISCLAIMER: This information is believed to be accurate and represence or implied, with respect to such information, and we assume no use. Users should make their own investigations to determine the suitation			