

## SAFETY DATA SHEET Praziquantel

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		ding to Regulation (EC) No. 1907/2006 as amended by (	o Company/Indortation			
	Section 1. Id	entification of the Substance/Mixture and of th	ne Company/Undertaking			
.1	Product Code:	20508				
	Product Name:	Praziquantel				
	Synonyms:	2-(cyclohexylcarbonyl)-1,2,3,6,7,11b-hexahydr 8440; (±)-Praziquantel;	o-4H-pyrazino[2,1-a]isoquinolin-4-one; Emba			
.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 numb	er:				
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300			
		CHEMTREC Outside USA and Canada:	+1 (703)527-3887			
	Classification of the Substa Aquatic Toxicity (Chronic) Label Elements:		ation			
	Aquatic Toxicity (Chronic) Label Elements:	nce or Mixture: ), Category 3	ation			
	Aquatic Toxicity (Chronic) Label Elements: GHS Signal Word:	nce or Mixture:	ation			
	Aquatic Toxicity (Chronic) Label Elements: GHS Signal Word: GHS Hazard Phrases:	nce or Mixture: ), Category 3 None	ation			
	Aquatic Toxicity (Chronic) Label Elements: GHS Signal Word: GHS Hazard Phrases: H412: Harmful to aquatic life	nce or Mixture: ), Category 3 None	ation			
	Aquatic Toxicity (Chronic) Label Elements: GHS Signal Word: GHS Hazard Phrases: H412: Harmful to aquatic life GHS Precaution Phrases:	nce or Mixture: ), Category 3 None e with long lasting effects.	ation			
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2.2	Aquatic Toxicity (Chronic) Label Elements: GHS Signal Word: GHS Hazard Phrases: H412: Harmful to aquatic life GHS Precaution Phrases: P273: Avoid release to the e GHS Response Phrases: No phrases apply. GHS Storage and Disposa Please refer to Section 7 for	nce or Mixture: ), Category 3 None e with long lasting effects. environment.				
2	Aquatic Toxicity (Chronic) Label Elements: GHS Signal Word: GHS Hazard Phrases: H412: Harmful to aquatic life GHS Precaution Phrases: P273: Avoid release to the e GHS Response Phrases: No phrases apply. GHS Storage and Disposa Please refer to Section 7 for Adverse Human Health	nce or Mixture: ), Category 3 None e with long lasting effects. environment.				
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Multi-region format



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DTE		-	ponents (Chemical Name)/	Concentration	EC No./ EC Index No.	GHS Classification		
5526	58-74-1 pra	REACH Registration No.           praziquantel		100.0 %	259-559-6 NA	Aquatic (C) 3: H412		
UQ4150000								
			Section 4. Fi	rst Aid Meas	ures			
4.1	Description Measures:	n of First Aid						
	In Case of	Inhalation:	Remove to fresh air. If not br Get immediate medical atten		al respiration or gi	ve oxygen by trained personnel		
	In Case of	In Case of Skin Contact: Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove co clothing. Get medical attention if symptoms occur. Wash clothing before reuse.						
	In Case of	Eye Contact:	Hold eyelids apart and flush and tested by medical person		water for at least 1	5 minutes. Have eyes examine		
	In Case of	<ul> <li>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.</li> </ul>						
			Section 5. Fire	Fighting Me	asures			
5.1	Suitable Ex Media:	xtinguishing	Use alcohol-resistant foam, Use water sprav to cool fire-		-	spray.		
		suitable Extinguishing A solid water stream may be inefficient.						
5.2		Properties an	<b>d</b> No data available.					
			No data available.					
	Flash Pt:		No data.					
	Explosive		LEL: No data.	UEL: No d	lata.			
	Autoignitic		No data.					
5.3	Fire Fighti	ire 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. Accider	ntal Release	Measures			
6.1	Protective	Precautions, Equipment any y Procedures:	Avoid raising and breathing	dust, and provide a a NIOSH approved	dequate ventilation self-contained bro	eathing apparatus, or respirator		
	Protective	Equipment an y Procedures: ental	Avoid raising and breathing d As conditions warrant, wear	dust, and provide a a NIOSH approved otection (rubber boo	dequate ventilation self-contained bro ots, safety goggles	eathing apparatus, or respirators, and heavy rubber gloves).		
6.2	Protective Emergency Environme Precaution Methods a	Equipment any y Procedures: ental ns: nd Material Fo	Avoid raising and breathing d As conditions warrant, wear and appropriate personal pr	dust, and provide a a NIOSH approved otection (rubber boo into the environmer appropriate.	dequate ventilation self-contained bro ots, safety goggles nt, if safe to do so.	eathing apparatus, or respirator , and heavy rubber gloves).		
6.2	Protective Emergency Environme Precaution Methods a Containme	Equipment any y Procedures: ental ns: nd Material Fo	Avoid raising and breathing d As conditions warrant, wear and appropriate personal pr Take steps to avoid release r Contain spill and collect, as	dust, and provide a a NIOSH approved otection (rubber boo into the environmer appropriate. e container for dispo	dequate ventilation self-contained bro ots, safety goggles nt, if safe to do so.	eathing apparatus, or respirator		
6.2 6.3	Protective Emergency Environme Precaution Methods a Containme Up:	Equipment any y Procedures: ental ns: nd Material For ent and Cleanir	Avoid raising and breathing d As conditions warrant, wear and appropriate personal pr Take steps to avoid release r Contain spill and collect, as ngTransfer to a chemical wast	dust, and provide a a NIOSH approved otection (rubber boo into the environmer appropriate. e container for dispo ndling and St	dequate ventilation self-contained bro ots, safety goggles nt, if safe to do so. osal in accordance	eathing apparatus, or respirator		
6.2 6.3	Protective Emergency Environme Precaution Methods a Containme Up:	Equipment any y Procedures: ental hs: nd Material Fo ent and Cleanir	Avoid raising and breathing d As conditions warrant, wear and appropriate personal pr Take steps to avoid release r Contain spill and collect, as gTransfer to a chemical wast Section 7. Hai	dust, and provide a a NIOSH approved otection (rubber boo into the environmer appropriate. e container for dispo ndling and St as/mist/vapours/spr	dequate ventilation self-contained bro ots, safety goggles nt, if safe to do so. osal in accordance	eathing apparatus, or respirato		
6.1 6.2 6.3 7.1 7.2	Protective Emergency Environme Precaution Methods a Containme Up: Precaution in Handling	Equipment any y Procedures: ental ns: nd Material Fo ent and Cleanir ns To Be Taken g:	Avoid raising and breathing d As conditions warrant, wear and appropriate personal pr Take steps to avoid release r Contain spill and collect, as gTransfer to a chemical wast <b>Section 7. Ha</b> Avoid breathing dust/fume/g	dust, and provide a a NIOSH approved otection (rubber boo into the environmer appropriate. e container for dispo ndling and St as/mist/vapours/spr l exposure.	dequate ventilation self-contained bro ots, safety goggles nt, if safe to do so. osal in accordance corage	eathing apparatus, or respirato		



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	Section 8	<ol><li>Exposure Controls/Personal Protection</li></ol>					
5.1	Exposure Parameters:	·					
3.2	Exposure Controls:						
3.2.1	-	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne					
	(Ventilation etc.): levels below recommended exposure limits.						
3.2.2	Personal protection equipment:						
	Eye Protection: Safet	y glasses					
	Protective Gloves: Comp	patible chemical-resistant gloves					
	Other Protective Clothing:Lab coat						
	<b>Respiratory Equipment</b> NIOSH approved respirator, as conditions warrant.						
	(Specify Type):						
	Work/Hygienic/Maintenan Do no	ot take internally.					
	ce Practices: Facili	ties storing or utilizing this material should be equipped with an eyewash and a safety show					
	Wash	thoroughly after handling.					
	No data available.						
	Sectio	on 9. Physical and Chemical Properties					
9.1	Information on Basic Physical a	· ·					
	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						
	Hg):						
	Vapor Density (vs. Air = 1):	No data.					
	Specific Gravity (Water = 1):	No data.					
	Solubility in Water:	No data.					
	Solubility Notes:	~0.2 mg/ml in a 1:4 solution of DMSO:PBS (pH 7.2); ~10 mg/ml in EtOH; ~20 mg/ml in DMSO; ~30 mg/ml in DMF;					
	Octanol/Water Partition	No data.					
	Coefficient:						
	Autoignition Pt:	No data.					
	Decomposition Temperature:	No data.					
	Viscosity:	No data.					
.2	Other Information						
	Percent Volatile:	No data.					
	Molecular Formula & Weight:	C19H24N2O2 312.4					
	-						

# Cayman

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Revision: 12/09/2016

	Section 10. Stability and Reactivity							
10.1	Reactivi	ty:	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	ons To Avoid:	No data available.					
10.5	5 Incompatibility - Materials strong oxidizing agents							
	To Avoi	d:						
10.6	Hazardo	us	carbon dioxide					
	Decomposition or		carbon monoixde					
	Byprodu	icts:	nitrogen oxides					
			Section 11. Toxicological	Informat	ion			
11.1	Informat	tion on	The toxicological effects of this product ha	ve not been t	horoughly st	udied.		
	Toxicolo	ogical Effects:	Praziquantel - Toxicity Data: Oral LD50 (ra	, 0	•	•	, 0	
			Intramuscular LD50 (rat): >2 gm/kg; Oral L			g; Intraperitone	eal LD50	
			(mouse): 376 mg/kg; Subcutaneous LD50		72 mg/kg;			
		Toxicological	Praziquantel - Investigated as a drug and mutagen.					
	Effects:		Only select Registry of Toxic Effects of Ch		ances (RTEC	CS) data is pre	sented here	
			See actual entry in RTECS for complete information.					
			Praziquantel RTECS Number: UQ4150000	1	1			
CAS #	-		ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
5526	8-74-1	praziquantel		n.a.	n.a.	n.a.	n.a.	
			Section 12. Ecological Ir	nformatio	on			
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 assessn	l: in Soil: of PBT and vPvB	No data available.					
12.4	Potentia Mobility Results assessn	l: in Soil: of PBT and vPvB nent:	No data available. No data available. No data available.	sideratic	ons			
12.4 12.5	Potentia Mobility Results assessn Other ac	I: in Soil: of PBT and vPvB nent: Iverse effects:	No data available. No data available.					

## Cayman

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Revision: 12/09/2016

Section 14. Transport Information								
14.1 LAND T	RANSPORT (US	DOT):						
DOT Proper Shipping Name: Not dangerous goods.								
DOT Hazar	d Class:							
UN/NA Number:								
	14.1 LAND TRANSPORT (European ADR/RID):							
	hipping Name:	Not dangerous goods.						
	UN Number:							
	ANSPORT (ICAO/ Shipping Name:	-						
Additional Tra		Not dangerous goods. Transport in accordance with lo	cal state and feder	al regulations				
Information:			cal, state, and redera	a regulations.				
		Section 15. Regul	latory Informa	ntion				
EPA SARA (Su	perfund Amendm	nents and Reauthorization Act	of 1986) Lists					
CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)			
55268-74-1	praziquantel		No	No	No			
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or	State Lists	•			
55268-74-1	praziquantel		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No					
Regulatory Info	ormation	This SDS was prepared in acco	ordance with 29 CFR	1910.1200 and Regu	ation (EC)			
Statement:		No.1272/2008.						
		Section 16. Oth	ner Informatio	n				
Revision Date:		12/09/2016						
Additional Info	rmation About	No data available.						
This Product:								
Company Polic	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.						