

		ling to Regulation (EC) No. 1907/2006 as amended by (E		
	Section 1. Ide	entification of the Substance/Mixture and of the	e Company/Undertaking	
1.1	Product Code:	16139		
	Product Name:	Pyronaridine (phosphate)		
	Synonyms:	4-[(7-chloro-2-methoxybenzo[b]-1,5-naphthyridi	in-10-yl)amino]-2,6-bis(1-pyrrolidinylmethyl)-ph	
		ol, tetraphosphate; PND;		
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 veterin	ary use.	
1.3	Details of the Supplier of the	e 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	
	- 3 - -) - - - - - - - - - -	CHEMTREC Outside USA and Canada:	+1 (703)527-3887	
		Section 2 Hozarda Identified	ation	
		Section 2. Hazards Identifica		
2.1	Classification of the Substance or Mixture:			
	Classification of the Substal	nce or Mixture:		
	Classification according to	Regulation (EC) No 1272/2008 [CLP]:		
		Regulation (EC) No 1272/2008 [CLP]:		
	Classification according to	Regulation (EC) No 1272/2008 [CLP]: gory 3		
	Classification according to Acute Toxicity: Oral, Cate	Regulation (EC) No 1272/2008 [CLP]: gory 3 Irritation, Category 1		
	Classification according to Acute Toxicity: Oral, Cate Serious Eye Damage/Eye I	Regulation (EC) No 1272/2008 [CLP]: gory 3 Irritation, Category 1 ategory 2		
2.1.1	Classification according to Acute Toxicity: Oral, Categ Serious Eye Damage/Eye I Toxic To Reproduction, Ca	Regulation (EC) No 1272/2008 [CLP]: gory 3 Irritation, Category 1 ategory 2		
2.1 2.1.1 2.2 2.2 2.2.1	Classification according to Acute Toxicity: Oral, Categ Serious Eye Damage/Eye I Toxic To Reproduction, Ca Aquatic Toxicity (Chronic) Label Elements:	Regulation (EC) No 1272/2008 [CLP]: gory 3 Irritation, Category 1 ategory 2		
2.1.1 2.2	Classification according to Acute Toxicity: Oral, Categ Serious Eye Damage/Eye I Toxic To Reproduction, Ca Aquatic Toxicity (Chronic) Label Elements:	Regulation (EC) No 1272/2008 [CLP]: gory 3 rritation, Category 1 ategory 2 , Category 4		
2.1.1 2.2	Classification according to Acute Toxicity: Oral, Categ Serious Eye Damage/Eye I Toxic To Reproduction, Ca Aquatic Toxicity (Chronic) Label Elements:	Regulation (EC) No 1272/2008 [CLP]: gory 3 rritation, Category 1 ategory 2 , Category 4		
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2.1.1 2.2	Classification according to Acute Toxicity: Oral, Category Serious Eye Damage/Eye H Toxic To Reproduction, Category Aquatic Toxicity (Chronic) Label Elements: Labeling according to Regund GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed.	Regulation (EC) No 1272/2008 [CLP]: gory 3 Irritation, Category 1 ategory 2 , Category 4 Ilation (EC) No 1272/2008 [CLP]: Danger		
2.1.1 2.2	Classification according to Acute Toxicity: Oral, Catego Serious Eye Damage/Eye H Toxic To Reproduction, Ca Aquatic Toxicity (Chronic) Label Elements: Labeling according to Regul GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed. H318: Causes serious eye of	Regulation (EC) No 1272/2008 [CLP]: gory 3 Irritation, Category 1 ategory 2 , Category 4 Ilation (EC) No 1272/2008 [CLP]: Danger Danger		
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2.1.1 2.2	Classification according to Acute Toxicity: Oral, Category Serious Eye Damage/Eye II Toxic To Reproduction, Cat Aquatic Toxicity (Chronic) Label Elements: Labeling according to Regult GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed. H318: Causes serious eye of H361: Suspected of damagi H413: May cause long lastin GHS Precaution Phrases: P201: Obtain special instruct	Regulation (EC) No 1272/2008 [CLP]: gory 3 irritation, Category 1 ategory 2 , Category 4 ilation (EC) No 1272/2008 [CLP]: Danger		
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	to do	Continue ringing							
	to do. Continue rinsing. P308+313: IF exposed or concerned: Get medical attention/advice. P310: Immediately call a POISON CENTER or doctor/physician.								
		P310: Immediately call a POISON CENTER of doctor/physician. P330: Rinse mouth.							
	GHS Storage and Disposal Phrases:								
			for Storage and Section 13 for	Disposal information	0				
.			-	-	1.				
2.3	Adverse Human Health		Causes serious eye damage		and upper reg	piratony tract			
	Effects	and Symptoms:	Material may be irritating to t May be harmful by inhalation		les and upper les				
			May cause eye, skin, or resp	•	on				
			May cause long lasting harm						
			Suspected of damaging fertil	-					
			Toxic if swallowed.		-				
			To the best of our knowledge	e, the toxicological pr	operties have no	t been thoroughly investigated.			
					-				
	.н. 1	1	tion 3. Composition	1					
CAS RTE		REACH Registra	ponents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	GHS Classification			
-	18-86-2	Pyronaridine (phosp	ohate)	100.0 %	NA	Acute Tox.(O) 3: H301			
SK49	20000				NA	Eye Damage 1: H318			
						Toxic Repro. 2: H361			
						Aquatic (C) 4: H413			
			Section 4. Fi	rst Aid Measu	ures				
4.1	Description of First Aid N Measures:		No data available.						
			Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.						
	In Case	e of Skin Contact:	Immediately wash skin with s clothing. Get medical attentio			5 minutes. Remove contaminate efore reuse.			
		e of Eye Contact:	Hold eyelids apart and flush e and tested by medical persor		ater for at least 1	5 minutes. Have eyes examined			
		e of Ingestion:	Wash out mouth with water provided person is conscious. Never give anything by mouth to a						
			unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by						
			medical personnel.						
			Section 5. Fire	Fighting Mea	asures				
5.1	Suitabl	e Extinguishing		carbon dioxide, water, or dry chemical spray.					
	Media: Use water spray to cool fire			exposed containers.					
	Unsuita	able Extinguishing	g A solid water stream may be	inefficient.					
	Media:								
5.2	Flamm Hazard	-	ndNo data available.						
	Flash Pt:		No data.						
	Explos	ive Limits:	LEL: No data.	UEL: No da	ata.				
	-	nition Pt:	No data.						
5.3	-		s: As in any fire, wear self-cont	ained breathing appa	aratus pressure-d	emand (NIOSH approved or			
-			equivalent), and full protectiv						
						Multi-region form			

Multi-region format



			Section 6. Ac	cidental Release Me	easures			
6.1 Protective Precautions, Avoid raising and breathing dust, and provide adequate ventilation.								
Protective Equipment and As conditions warrant, wear a NIOSH approved self-contained breathing app								
	Emergency Procedures: and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).					ubber gloves).		
6.2	Environ		Take steps to avoid r	elease into the environment, if	f safe to do so.			
	Precaut							
6.3	 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:	iment and Cleanin	ig transfer to a chemica	al waste container for disposal	In accordance with local reg	julations.		
	op.		_	_				
				Handling and Stor	age			
7.1			-	fume/gas/mist/vapours/spray.				
	in Hand	-	Avoid prolonged or re					
7.2			Keep container tightly		raduat incort			
	in Stori	ng:	Store in accordance v	with information listed on the p	roduct insert.			
		Sect	tion 8. Exposu	re Controls/Persona	al Protection			
8.1	Exposu	e Parameters:						
CAS #	#	Partial Chemical	Name	Britain EH40	France VL	Europe		
7674	8-86-2	Pyronaridine (pho	sphate)	No data.	No data.	No data.		
CAS #	#	Partial Chemical	Name	OSHA TWA	ACGIH TWA	Other Limits		
7674	8-86-2	Pyronaridine (pho	sphate)	No data.	No data.	No data.		
8.2	-	re Controls:						
8.2.1		ering Controls	-	osures, local exhaust ventilation, or other engineering controls to control airborne				
	(Ventilation etc.): levels below recommended exposure limits.							
8.2.2		al protection equi	-					
	-		Safety glasses Compatible chemical-resistant gloves					
			-	resistant gioves				
	Other Protective Clothing:Lab coat Respiratory Equipment NIOSH approved respirator, as conditions warrant.							
	(Specify Type):							
	(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.					



Multi-region format

1 Informat	ion on Basia Bhua	,		Properties			
	Information on Basic Physical and Chemical Properties Physical States: [] Gas [] Liquid [X] Solid						
-	ance and Odor:	A crystalline solid	[X] 3010				
Melting		No data.					
Boiling		No data.					
Flash P		No data.					
	ation Rate:	No data.					
•	ve Limits:	LEL: No data.	LEL: No data. UEL: No data.				
-	ressure (vs. Air or	mm No data.					
Hg):	·		NU Uala.				
Vapor D	ensity (vs. Air = 1)	: No data.					
Specific	Gravity (Water =	1): No data.					
Solubili	ty in Water:	No data.					
Solubili	ty Notes:	~10 mg/ml in PBS (pH	~10 mg/ml in PBS (pH 7.2); No data.				
Autoign	ition Pt:	No data.					
2 Other In	formation						
Percent	Volatile:	No data.	No data.				
Molecu	ar Formula & Weig	ght: C29H32CIN5O2 • 4H3	C29H32CIN5O2 • 4H3PO4 910.0				
		Section 10. Stab	ility and React	tivitv			
0.1 Reactiv	itv:	No data available.	inty and read	livity			
0.2 Stability	-	Unstable [] Stable [X]					
-	/ Note(s):	Stable if stored in accordance	with information lister	on the product	insert		
-							
-							
10.5 Incompatibility - Materials No To Avoid:							
).6 Hazardo		No data available.					
	osition Or						
-	roducts:						
		Section 11. Toxico	Jogical Inform	nation			
.1 Informa	tion on				udiod		
	ogical Effects:		oxicological effects of this product have not been thoroughly studied. naridine (phosphate) - Toxicity Data: Oral LD50 (mouse): 1368 mg/kg; Oral TDLO (rat): 280				
IOXICON	ogical Ellects.	mg/kg/14D (intermittent);					
Chronic	Toxicological		naridine (phosphate) - Investigated as a drug, mutagen, and reproductive effector.				
Effects:	-		select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here.				
		See actual entry in RTECS for	actual entry in RTECS for complete information.				
		Pyronaridine (phosphate) RTE	CS Number: SK4920	000			
AS #	Hazardous Comp	oonents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
76748-86-2	Pyronaridine (pho	sphate)	n.a.	n.a.	n.a.	n.a.	
		-	ous Components (Chemical Name)	ous Components (Chemical Name) NTP	ous Components (Chemical Name) NTP IARC	ous Components (Chemical Name) NTP IARC ACGIH	



	Section 12. Ecological Information					
12.1	Toxicity		Avoid release into the environme	ent.		
			Runoff from fire control or dilution	n water may cause p	ollution.	
12.2	Persiste	tence and No data available.				
	Degrada	bility:				
12.3	Bioaccu		No data available.			
	Potentia					
12.4	Mobility		No data available.			
12.5			No data available.			
	assessm		NI 17 111			
12.6	Other ad	verse effects:	No data available.			
			Section 13. Dispos			
13.1	Waste D	isposal Method:	-		-	
			Section 14. Trans	sport Informat	ion	
14.1	LAND T	RANSPORT (US I	DOT):			
	-	r Shipping Name:	Not dangerous goods.			
	OT Hazar					
_	N/NA Nun					
14.1		RANSPORT (Euro				
		nipping Name:	Not dangerous goods.			
-	N Number					
			(ATA).			
14.3		NSPORT (ICAO/I Shipping Name:	Not dangerous goods.			
	ional Trar		Transport in accordance with lo	cal state and federa	l regulations	
	nation:	isport	Transport in accordance with to	cal, state, and redera	regulations.	
			Section 15 Degul	aton / Informa	tion	
L			Section 15. Regul	•	lion	
	EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists					
CAS			ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7674	18-86-2	Pyronaridine (pho	osphate)	No	No	No
CAS	AS # Hazardous Components (Chemical Name)		Other US EPA or State Lists			
7674	76748-86-2 Pyronaridine (phosphate) CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			; TSCA: No; CA		
Regul	atory Info	rmation	This SDS was prepared in acco	rdance with 29 CFR	1910.1200 and Regul	ation (EC)
Stater	nent:		No.1272/2008.			



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Section 16. Other Information			
Revision Date:	03/05/2015		
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.		