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1.2	Product Product Synony Relevan	Code: Name:				0		
1.2	Product Synony	Name:	transepsilonViniferin 5-[(2R,3R)-2,3-dihydro-6	-hydroxy-2-(4-hydro	oxyphenyl)-4-[(1E)-	.2-(4-hydroxynhenyl)ethenyll-3-h		
	Relevan		Name: transepsilonViniferin					
1.3		t identified uses of	f the substance or mixture a	and uses advised a	against:			
1.3	Releva	ant identified uses:	: For research use only, ne	ot for human or vete	erinary use.			
	Details of the Supplier of the Safety Data Sheet:							
	Company Name:Cayman Chemical Co1180 E. Ellsworth Rd.Ann Arbor, MI 48108			bany				
		ite address:	www.caymanchem.com			1)074 0005		
	Inform		Cayman Chemical Comp	bany	+1 (73	4)971-3335		
1.4	Emergency telephone number: Emergency Contact: CHEMTREC Within US		nber: CHEMTREC Within USA	and Canada:	+1 (80	0)424-9300		
			CHEMTREC Outside US	SA and Canada:	+1 (70	3)527-3887		
			Section 2. Ha	zards Identifi	ication			
2.2	GHS S GHS F Based GHS F No phi GHS S Please Advers	Precaution Phrases rases apply. Response Phrases rases apply. Storage and Dispos e refer to Section 7 f e Human Health and Symptoms:	sal Phrases: for Storage and Section 13 for Material may be irritating to t May be harmful by inhalation May cause eye, skin, or resp	r Disposal information he mucous membra n, ingestion, or skin piratory system irrita e, the toxicological p	on. anes and upper res absorption. ation. properties have not	spiratory tract. t been thoroughly investigated.		
CAS #	# /	1	•	Concentration	EC No./	GHS Classification		
RTEC		REACH Registrat	onents (Chemical Name)/ ion No.	Concentration	EC NO./ EC Index No.	GHS Classification		
62218 NA	8-08-0	transepsilonVinifer	in	100.0 %	NA NA	No data available.		

Multi-region format



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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:	A solid water stream may be inefficient.
5.2	Flammable Properties an Hazards:	d 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	: 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		r Contain spill and collect, as appropriate.
		gTransfer to a chemical waste container for disposal in accordance with local regulations.
	Up:	
		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	Keep container tightly closed.
	in Storing:	Store in accordance with information listed on the product insert.
L	Sec	tion 8. Exposure Controls/Personal Protection
8.1	Exposure Parameters:	

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	NEMICAL						
8.2	Exposure Controls:						
8.2.1	Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne					
	(Ventilation etc.):	levels below recommended exposure limits.					
8.2.2	Personal protection equipment:						
	Eye Protection: Safety glasses						
	Protective Gloves: Compatible chemical-resistant gloves						
	Other Protective Clothing:Lab coat						
	Respiratory Equipment NIOSH 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.					
	Se	ection 9. Physical and Chemical Properties					
9.1		ical and Chemical Properties					
5.1	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.					
		LEL: No data. UEL: No data.					
	Explosive Limits:						
	Vapor Pressure (vs. Air or Hg):						
	Vapor Density (vs. Air = 1)	No data.					
	Specific Gravity (Water = 1)						
	Solubility in Water:	No data.					
	Solubility Notes:	Soluble in: DMSO;					
	Octanol/Water Partition	No data.					
	Coefficient:	No data.					
	Autoignition Pt:	No data.					
	Decomposition Temperatu						
	Viscosity:	No data.					
9.2	Other Information						
9.2	Percent Volatile:	No data.					
	Molecular Formula & Weig						



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			Section 10. Stability and	I Reactiv	/ity				
10.1	Reactivit	y:	No data available.						
10.2	Stability	:	Unstable [] Stable [X]						
10.3	0.3 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	ns To Avoid:	No data available.						
10.5	10.5 Incompatibility - Materials strong oxidizing agents								
	To Avoid	l:							
10.6	Hazardo	us	carbon dioxide						
	Decomposition or		carbon monoxide						
	Byprodu	cts:							
			Section 11. Toxicological	Informa	ation				
11.1	Informat	ion on	The toxicological effects of this product ha	ave not been	thoroughly st	udied.			
	Toxicolo	gical Effects:							
CAS	#	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA		
622	18-08-0	transepsilonVi		n.a.	n.a.	n.a.	n.a.		
			Section 12. Ecological I	nformati	on				
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	Bioaccu		No data available.						
	Potentia								
12.4	Mobility	in Soil:	No data available.						
12.5	Results	of PBT and vPvB	3 No data available.						
assessment:									
12.6	.6 Other adverse effects: No data available.								
			Section 13. Disposal Cor	nsiderati	ons				
13.1	Waste D	isposal Method:	Dispose in accordance with local, state, a	nd federal re	egulations.				
			Section 14. Transport I	nformati	ion				
14.1	LAND T	RANSPORT (US I	DOT):						
D	DOT Proper Shipping Name:		Not dangerous goods.						
D	OT Hazaro	d Class:							
U U	N/NA Num	nber:							
14.1	LAND T	RANSPORT (Euro	opean ADR/RID):						
A	DR/RID SI	nipping Name:	Not dangerous goods.						
U	N Number	:							
н	lazard Clas	SS:							
1									



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14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name:

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

Additional Transport Information:

Section 15. Regulatory Information

CAS #	Hazardous Components (Chemical Name)		S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
62218-08-0	transepsilonViniferin		No	No	No	
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or State Lists			
62218-08-0	transepsilonViniferin		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
Regulatory Information Statement:		This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.				
		Section 16. Oth	ner Informatio	on		
Revision Date:		08/02/2019				
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.				