

Revision: 03/10/2018

		ding to Regulation (EC) No. 190		by (EC) No. 1272/200	8	
		entification of the Substar				
					IUCITANITY	
					- diele Diemethene Orchierenseine	
Synony	yms:	C18-d9;	-15,15,10,10,17,17	, 10, 10, 10-09-1,3K,1	z-dioi, D-erythio-Sphingosine	
Releva	nt identified uses of t	f the substance or mixture and uses advised against:				
Relev	ant identified uses:	For research use only, n	ot for human or vet	erinary use.		
Details of the Supplier of the Safety Data Sheet:						
Comp	oany Name:		bany			
		-				
Inforr	mation:	Cayman Chemical Comp	bany	+1 (73-	4)971-3335	
-						
Emer	gency Contact:				0)424-9300	
		CHEMTREC Outside US	SA and Canada:	+1 (70	3)527-3887	
		Section 2. Ha	zards Identif	ication		
Classif	ication of the Substa	nce or Mixture:				
Label E	Elements:					
GHS	Signal Word:	None				
GHS	Hazard Phrases:					
Base	d on evaluation of curr	ently available data this sub	stance or mixture is	s not classifiable ac	cording to GHS.	
GHS Precaution Phrases:						
No phrases apply.						
No pł	hrases apply.					
-	hrases apply. Response Phrases:					
GHS						
GHS No pł	Response Phrases: nrases apply.	Il Phrases:				
GHS No ph GHS	Response Phrases: nrases apply. Storage and Disposa		r Disposal informati	ion.		
GHS No ph GHS Pleas	Response Phrases: nrases apply. Storage and Disposa se refer to Section 7 for	r Storage and Section 13 for	-		piratory tract.	
GHS No ph GHS Pleas Advers	Response Phrases: hrases apply. Storage and Disposa se refer to Section 7 for se Human Health	r Storage and Section 13 for Naterial may be irritating to t	the mucous membr	anes and upper res	piratory tract.	
GHS No ph GHS Pleas Advers	Response Phrases: nrases apply. Storage and Disposa se refer to Section 7 for se Human Health M s and Symptoms: M	r Storage and Section 13 for Material may be irritating to t May be harmful by inhalatior	the mucous membr n, ingestion, or skin	anes and upper res absorption.	piratory tract.	
GHS No ph GHS Pleas Advers	Response Phrases: nrases apply. Storage and Disposa se refer to Section 7 for se Human Health M s and Symptoms: M	r Storage and Section 13 for Material may be irritating to t May be harmful by inhalatior May cause eye, skin, or resp	the mucous membr n, ingestion, or skin piratory system irrita	anes and upper res absorption. ation.	piratory tract. been thoroughly investigated	
GHS No ph GHS Pleas Advers	Response Phrases: nrases apply. Storage and Disposa se refer to Section 7 for se Human Health M s and Symptoms: M T	r Storage and Section 13 for Material may be irritating to t May be harmful by inhalatior May cause eye, skin, or resp	the mucous membr n, ingestion, or skin piratory system irrita e, the toxicological	anes and upper res absorption. ation. properties have not	been thoroughly investigated	
GHS No ph GHS Pleas Advers Effects	Response Phrases: hrases apply. Storage and Disposa se refer to Section 7 for se Human Health s and Symptoms: M Section Hazardous Component	r Storage and Section 13 for Material may be irritating to to May be harmful by inhalation May cause eye, skin, or resp To the best of our knowledge on 3. Composition ments (Chemical Name)/	the mucous membr n, ingestion, or skin piratory system irrita e, the toxicological	anes and upper res absorption. ation. properties have not on Ingredie EC No./	been thoroughly investigated	
GHS No ph GHS Pleas Advers Effects	Response Phrases: hrases apply. Storage and Disposa se refer to Section 7 for se Human Health s and Symptoms: M Section	r Storage and Section 13 for Material may be irritating to t May be harmful by inhalation May cause eye, skin, or resp To the best of our knowledge on 3. Composition ments (Chemical Name)/ on No.	the mucous membr n, ingestion, or skin piratory system irrita e, the toxicological n/Information	anes and upper res absorption. ation. properties have not	been thoroughly investigated	
	Product Synony Releva Releva Details Comp Web Inforn Emerge Emer Classif Label E GHS GHS Base	Relevant identified uses: Details of the Supplier of the Company Name: Web site address: Information: Emergency telephone numb Emergency Contact: Classification of the Substan Label Elements: GHS Signal Word: GHS Hazard Phrases: Based on evaluation of curr GHS Precaution Phrases:	Product Name: Sphingosine-d9 (d18:1) Synonyms: 2S-aminooctadec-4-ene C18-d9; Relevant identified uses of the substance or mixture at Relevant identified uses: For research use only, m Details of the Supplier of the Safety Data Sheet: Company Name: Cayman Chemical Compants Company Name: Cayman Chemical Compants Meb site address: www.caymanchem.com Information: Cayman Chemical Compants Emergency telephone number: Emergency Contact: CHEMTREC Within USA CHEMTREC Outside US Section 2. Ha Classification of the Substance or Mixture: Label Elements: GHS Signal Word: None GHS Hazard Phrases: Based on evaluation of currently available data this sub	Product Name: Sphingosine-d9 (d18:1) Synonyms: 2S-aminooctadec-4-ene-15,15,16,16,17,17 C18-d9; Relevant identified uses of the substance or mixture and uses advised Relevant identified uses: For research use only, not for human or vell Details of the Supplier of the Safety Data Sheet: Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 Web site address: www.caymanchem.com Information: Emergency telephone number: CHEMTREC Within USA and Canada: CHEMTREC Outside USA and Canada: CHEMTREC Outside USA and Canada: Classification of the Substance or Mixture: Label Elements: GHS Signal Word: None GHS Hazard Phrases: Based on evaluation of currently available data this substance or mixture i	Product Name: Sphingosine-d9 (d18:1) Synonyms: 2S-aminooctadec-4-ene-15,15,16,16,17,17,18,18,18-d9-1,3R,8 C18-d9; 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. Details of the Supplier of the Safety Data Sheet: Cayman Chemical Company Company Name: Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 Web site address: www.caymanchem.com Information: Cayman Chemical Company emergency telephone number: CHEMTREC Within USA and Canada: Emergency Contact: CHEMTREC Outside USA and Canada: Classification of the Substance or Mixture: Label Elements: GHS Signal Word: None GHS Signal Word: None GHS Hazard Phrases: Based on evaluation of currently available data this substance or mixture is not classifiable action of currently available data this substance or mixture is not classifiable action	

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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 contaminate 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	A solid water stream may be inefficient.
	Media:	
5.2	Flammable Properties an	dNo 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	s: 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 Precautions:	Take steps to avoid release into the environment, if safe to do so.
6.3	Methods and Material Fo	r Contain spill and collect, as appropriate.
	Containment and Cleanir Up:	hgTransfer to a chemical waste container for disposal in accordance with local regulations.
		Section 7. Handling and Storage
7.1	Precautions To Be Taker	Avoid breathing dust/fume/gas/mist/vapours/spray.
	in Handling:	Avoid prolonged or repeated exposure.
7.2	Precautions To Be Taker	Keep container tightly closed.
	in Storing:	Store in accordance with information listed on the product insert.
	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 equip	ipment:					
	Eye Protection: Safety glasses						
	Protective Gloves:	atible chemical-resistant gloves					
	Other Protective Clothing:Lab coat						
	-	H approved respirator, as conditions warrant.					
	(Specify Type):						
	Work/Hygienic/Maintenan Do not take internally.						
	ce Practices: Facilities storing or utilizing this material should be equipped with an eyewash and a sa						
		Wash thoroughly after handling.					
		No data available.					
	Se	ction 9. Physical and Chemical Properties					
9.1	Information on Basic Physi	cal 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	mm No data.					
	Hg):						
	Vapor Density (vs. Air = 1):	No data.					
	Specific Gravity (Water = 1): No data.					
	Solubility in Water:	No data.					
	Solubility Notes:	Soluble in: a 70:20:1:1 solution of chloroform:MeOH:DI water:ammonium hydroxide;					
	Octanol/Water Partition	No data.					
	Coefficient:						
	Autoignition Pt:	No data.					
	Decomposition Temperatu						
	Viscosity:	No data.					
9.2	Other Information						
5.2	Percent Volatile:	No data.					
	Molecular Formula & Weig	nt: CT6H26D9NO2 306.6					

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			Section 10. Stability an	d Reacti	vity				
10.1	1 Reactivity: No data available.								
10.2	Stability	:	Unstable [] Stable [X]						
10.3	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	0.4 Conditions To Avoid: No data available.								
10.5	.5 Incompatibility - Materials No data available.								
	To Avoid:								
10.6			No data available.						
	=	osition or							
	Byprodu	cts:							
			Section 11. Toxicologica	al Informa	ation				
11.1	Informat	ion on	The toxicological effects of this product h	nave not beer	n thoroughly st	udied.			
	Toxicolo	gical Effects:							
CAS	#	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA		
	NA	Sphingosine-d9 (d18:1)	n.a.	n.a.	n.a.	n.a.		
		•	Section 12. Ecological	Informat	ion	.			
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.						
	Potentia	l:							
12.4	Mobility	in Soil:	No data available.						
12.5	2.5 Results of PBT and vPvB		No data available.						
	assessment:								
12.6	6 Other adverse effects: No data available.								
			Section 13. Disposal Co	onsiderat	ions				
13.1	Waste D	isposal Method:	Dispose in accordance with local, state,	and federal r	egulations.				
			Section 14. Transport	Informat	ion				
14.1	LAND T	RANSPORT (US I	DOT):						
D	OT Prope	r Shipping Name:	Not dangerous goods.						
D	DOT Hazard Class:								
U U	IN/NA Nun	nber:							
14.1	LAND T	RANSPORT (Euro	opean ADR/RID):						
A	DR/RID SI	nipping Name:	Not dangerous goods.						
	IN Number								
н	lazard Cla	SS:							



14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name:

Not dangerous goods.

Additional Transport Information: Transport in accordance with local, state, and federal regulations.

Section 15. Regulatory Information

CAS #	Hazardous Components (Chemical Name)		S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
NA	Sphingosine-d9 (Sphingosine-d9 (d18:1)		No	No	
CAS #	Hazardous Components (Chemical Name)		Other US EPA or State Lists			
NA	Sphingosine-d9 (Sphingosine-d9 (d18:1)		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No		
Regulatory Ir Statement:	nformation	This SDS was prepared in acco No.1272/2008.	rdance with 29 CFR	1910.1200 and R	egulation (EC)	
		Section 16. Oth	ner Informatio	n		
Revision Date:		03/10/2018				
Additional In This Product	formation About :	No data available.				
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.				