

Revision: 09/04/2019 Supersedes Revision: 02/04/2015

	Section 1. Ic	dentification of the Substar	nce/Mixture and of	the Company/U	ndertaking		
.1	Product Code: Product Name: Synonyms:	10007946 Palmitoyl Sphingomyelin 4-hydroxy-7S-[1R-hydrox osphatetracosan-1-amini N-Palmitoyl-D-erythro-Sp (d18:1/16:0);	ky-2E-hexadecenyl] um; Palmitoyl Sphir	ngomyelin;	-oxo-4-oxide-3,5-dioxa-8-aza-4 1/16:0); Sphingomyelin		
.2	Relevant identified uses of the substance or mixture and uses advised against:						
	Relevant identified uses:	For research use only, no	ot for human or vete	erinary use.			
.3	Details of the Supplier of th	e Safety Data Sheet:					
	Company Name:	Cayman Chemical Comp 1180 E. Ellsworth Rd. Ann Arbor, MI 48108	bany				
	Web site address:	www.caymanchem.com					
	Information:	Cayman Chemical Comp	pany	+1 (73	4)971-3335		
.4	Emergency telephone num						
	Emergency Contact:	CHEMTREC Within USA CHEMTREC Outside US		•	0)424-9300 13)527-3887		
		Section 2. Haz	zards Identifi		·		
		Coolon E: Ha		cation			
1	Classification of the Substa	ance or Mixture					
	Classification of the Substa Label Elements: GHS Signal Word: GHS Hazard Phrases:	None					
.2	Label Elements: GHS Signal Word: GHS Hazard Phrases: Based on evaluation of curr GHS Precaution Phrases: No phrases apply. GHS Response Phrases: No phrases apply. GHS Storage and Dispose Please refer to Section 7 for Adverse Human Health	None rently available data this sub- : al Phrases: or Storage and Section 13 for Material may be irritating to t	Disposal information	on. Ines and upper res			
2	Label Elements: GHS Signal Word: GHS Hazard Phrases: Based on evaluation of curr GHS Precaution Phrases: No phrases apply. GHS Response Phrases: No phrases apply. GHS Storage and Dispose Please refer to Section 7 for Adverse Human Health Effects and Symptoms:	None rently available data this sub- : al Phrases: or Storage and Section 13 for Material may be irritating to the May be harmful by inhalation May cause eye, skin, or resp	Disposal information he mucous membra n, ingestion, or skin a iratory system irrita	on. ines and upper res absorption. tion.	spiratory tract.		
2.1 2.2	Label Elements: GHS Signal Word: GHS Hazard Phrases: Based on evaluation of curr GHS Precaution Phrases: No phrases apply. GHS Response Phrases: No phrases apply. GHS Storage and Dispose Please refer to Section 7 for Adverse Human Health Effects and Symptoms:	None rently available data this sub- rently available data this sub- al Phrases: or Storage and Section 13 for Material may be irritating to the May be harmful by inhalation May cause eye, skin, or resp To the best of our knowledge	Disposal information he mucous membra , ingestion, or skin a iratory system irrita e, the toxicological p	on. Ines and upper res absorption. tion. roperties have no	spiratory tract. t been thoroughly investigated.		
.2	Label Elements: GHS Signal Word: GHS Hazard Phrases: Based on evaluation of curr GHS Precaution Phrases: No phrases apply. GHS Response Phrases: No phrases apply. GHS Storage and Dispose Please refer to Section 7 for Adverse Human Health Effects and Symptoms:	None rently available data this sub- : al Phrases: or Storage and Section 13 for Material may be irritating to the May be harmful by inhalation May cause eye, skin, or resp	Disposal information he mucous membra , ingestion, or skin a iratory system irrita e, the toxicological p	on. Ines and upper res absorption. tion. roperties have no	spiratory tract. t been thoroughly investigated.		
2 3	Label Elements: GHS Signal Word: GHS Hazard Phrases: Based on evaluation of curr GHS Precaution Phrases: No phrases apply. GHS Response Phrases: No phrases apply. GHS Storage and Dispose Please refer to Section 7 for Adverse Human Health Effects and Symptoms:	None rently available data this sub- rently available data this sub- al Phrases: or Storage and Section 13 for Material may be irritating to the May be harmful by inhalation May cause eye, skin, or resp To the best of our knowledge on 3. Composition onents (Chemical Name)/	Disposal information he mucous membra , ingestion, or skin a iratory system irrita e, the toxicological p	on. Ines and upper res absorption. tion. roperties have no	spiratory tract. t been thoroughly investigated.		



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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:	dNo 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	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 and	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	ngTransfer 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.
	Sec	tion 8. Exposure Controls/Personal Protection
8.1	Exposure Parameters:	

Multi-region format



	CHEMICAL	Superseues Revision. 02/04/2015					
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:	afety 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.						
	ce Practices:	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					
	Physical States:	[]Gas []Liquid [X]Solid					
	Appearance and Odor:	A crystalline solid					
	pH: Malting Dainty	No data.					
	Melting Point:	No data.					
	Boiling Point: Flash Pt:	No data. No data.					
		No data.					
	Evaporation Rate:	No data available.					
	Flammability (solid, gas):	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:	~10 mg/ml in EtOH;					
	Octanol/Water Partition	No data.					
	Coefficient:						
	Autoignition Pt:	No data.					
	Decomposition Temperatu						
	Viscosity:	No data.					
	-						
9.2	Other Information						
	Percent Volatile:	No data.					
	Molecular Formula & Weig	ht: C39H79N2O6P 703.0					



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			Section 10. Stability and	Reacti	vity				
10.1	Reactivi	ty:	No data available.						
0.2	Stability	:	Unstable [] Stable [X]						
0.3	Stability	Note(s):	Stable if stored in accordance with information	tion listed of	on the product	insert.			
	Polymer	ization:	Will occur [] Will not occur [X]						
0.4	Conditio	ons To Avoid:	No data available.						
10.5	0.5 Incompatibility - Materials strong oxidizing agents To Avoid:								
10.6	Hazardo		carbon oxides						
		osition or							
	Byprodu		nitrogen oxides oxides of phosphorus						
			Section 11. Toxicological	Informa	ation				
11.1	Informat	ion on	The toxicological effects of this product have	ve not beer	n thoroughly st	udied.			
	Toxicolo	gical Effects:							
CAS	#	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA		
625	54-89-3		t-hydroxy-2E-hexadecenyl]-N,N,N-trimethyl 5-dioxa-8-aza-4-phosphatetracosan-1-ami	n.a.	n.a.	n.a.	n.a.		
		•	Section 12. Ecological Ir	format	ion	•	•		
12.1 Toxicity: Avoid release into the environment.									
	D	Runoff from fire control or dilution water may cause pollution.							
12.2	Persiste		No data available.						
	Degrada								
12.3	Potentia	mulative	No data available.						
12.4	Mobility		No data available.						
12.4	-		No data available.						
12.3	assessm								
12.6		lverse effects:	No data available.						
12.0				• • •					
			Section 13. Disposal Con						
13.1	Waste D	isposal Method:	Dispose in accordance with local, state, an		-				
			Section 14. Transport Ir	nformat	lon				
14.1 ح		RANSPORT (US I	-						
	OT Prope	r Shipping Name:	Not dangerous goods.						
	N/NA Nun								
0 14.1	-								
		RANSPORT (Euro							
	ADR/RID Shipping Name: Not dangerous goods.								
	JN Number: Iazard Class:								
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14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name:

: Not dangerous goods.

Additional Transport

Transport in accordance with local, state, and federal regulations.

Information:

Section 15. Regulatory Information

CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)		
6254-89-3		R-hydroxy-2E-hexadecenyl]-N,N, -4-oxide-3,5-dioxa-8-aza-4-phos aminium	No	No	No		
CAS # Hazardous Components (Chemical Name)			Other US EPA or State Lists				
6254-89-3		R-hydroxy-2E-hexadecenyl]-N,N, -4-oxide-3,5-dioxa-8-aza-4-phos aminium					
Regulatory In Statement:	formation	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.					
		Section 16. Oth	er Information	on			
Revision Date:		09/04/2019					
Additional Information About This Product:		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.					