

Revision: 01/21/2017

		ing to Regulation (EC) No. 1907/2006 as amended by entification of the Substance/Mixture and of the						
			есопранующенакіну					
1.1	Product Code:	20953						
	Product Name:	1,2-Diarachidonoyl-sn-glycero-3-PC						
	Synonyms:	<pre>(R)-2,3-DIS(((52,82,112,142)-ICOSA-5,8,11,14-t phosphate; DAPC; 1,2-Diarachidonoyl-sn-glyc</pre>	etraenoyl)oxy)propyl (2-(trimethylammonio)ethy ero-3-Phosphatidylcholine; 20:4 (cis) PC;					
.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.							
1.3	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					
1.4	Emergency telephone numb	er:						
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300					
		CHEMTREC Outside USA and Canada:	+1 (703)527-3887					
		Section 2. Hazards Identification	ation					
2.2	Label Elements:	ategory 2 icity (repeated exposure), Category 2 Vicity (repeated exposure), Category 2 Danger						
	H319: Causes serious eye irritation. H331: Toxic if inhaled. H351: Suspected of causing cancer. H361: Suspected of damaging fertility or the unborn child.							
	H373: May cause damage to	o organs through prolonged or repeated exposure	Э.					

Cayman

67-66-3

FS9100000

Chloroform

SAFETY DATA SHEET 1,2-Diarachidonoyl-sn-glycero-3-PC

	HEMICAL								
	GHS F	Precaution Phrase	s:						
	P201:	Obtain special inst	ructions before use.						
	P202:	Do not handle until	all safety precautions have be	en read and understood.					
	P260:	Do not breathe {du	st/fume/gas/mist/vapors/spray	}.					
	P264:	Wash {hands} thor	oughly after handling.						
	P280:	Wear {protective g	loves/protective clothing/eye p	rotection/face protec	tion}.				
	GHS F	Response Phrases	3:						
	P301+	-312: IF SWALLOW	/ED: Call a POISON CENTER	or doctor/physician if you feel unwell.					
	P302+	-352: IF ON SKIN: \	Wash with plenty of soap and v	water.					
	P304+	-340: IF INHALED:	Remove victim to fresh air and	l keep at rest in a po	sition comfortable	for breathing.			
	P305+	-351+338: IF IN EY	ES: Rinse cautiously with wate	er for several minute	s. Remove contac	t lenses, if present and easy			
	to do.	Continue rinsing.							
	P308+	-313: IF exposed or	concerned: Get medical atten	tion/advice.					
	P311:	Call a POISON CE	NTER or doctor/physician.						
	P314: Get medical attention/advice if you feel unwell. P330: Rinse mouth. P332+313: If skin irritation occurs, get medical advice/attention.								
	P337+313: If eye irritation persists, get medical advice/attention. P362+364: Take off contaminated clothing and wash it before reuse.								
GHS Storage and Disposal Phrases:									
	Please refer to Section 7 for Storage and Section 13 for Disposal information.								
2.3	Advers	e Human Health	Causes skin irritation.	s skin irritation.					
Effects		and Symptoms:	Causes serious eye irritation.						
			Harmful if swallowed.						
			Material may be irritating to the mucous membranes and upper respiratory tract.						
			May be harmful by skin absorption.						
			May cause damage to organs through prolonged or repeated exposure.						
			May cause respiratory syster	m irritation.					
			Suspected of causing cancer						
			Suspected of damaging fertil	ity or the unborn chil	d.				
			Toxic if inhaled.						
			To the best of our knowledge	e, the toxicological pr	roperties have not	been thoroughly investigated.			
		Sect	tion 3. Composition	/Information	on Ingredie	nts			
CAS	#/	Hazardous Com	oonents (Chemical Name)/	Concentration	EC No./	GHS Classification			
RTEC	S#	REACH Registra			EC Index No.				
1768	8-29-8	3,5,9-Trioxa-4-phos	phanonacosa-14,17,20,23-tetrae	1.0 %	NA	No data available.			
NA		n-1-aminium,4-hydroxy-N,N,N-trimethyl-10-oxo-7-[[(5			NA				
		Z,8Z,11Z,14Z)-1-oxo-5,8,11,1							

99.0 %

200-663-8

602-006-00-4

Multi-region format

Acute Tox.(O) 4: H302

Acute Tox.(I) 3: H331 Eye Damage 2: H319 Skin Corr. 2: H315 Carcinogen 2: H351 Toxic Repro. 2: H361d STOT (RE) 1: H372



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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 personne Get immediate medical attention.						
	In Case of Skin Contact:	Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminat 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 examine 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.						
4.2	Important Symptoms and Effects, Both Acute and Delayed:	Exposure may cause: dizziness, drowsiness, gastrointestinal disturbances, headache, lassitude, nausea, and vomiting.						
		Section 5. Fire Fighting Measures						
ـــــــــــــــــــــــــــــــــــــ	Suitable Extinguishing	Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.						
5.1	Media:	Use water spray to cool fire-exposed containers.						
	Unsuitable Extinguishing A solid water stream may be inefficient. Media:							
5.2	Flammable Properties and No data available.							
	Hazards:							
I		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 breathing vapors 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		r Contain spill and collect, as appropriate.						
	Containment and Cleaning Transfer to a chemical waste container for disposal in accordance with local regulations.							
	Up:							
	•	Caption 7 Llandling and Storage						
		Section 7. Handling and Storage						
	Precautions To Be Taken	Avoid breathing dust/fume/gas/mist/vapours/spray.						
7.1								
7.1	in Handling:	Avoid prolonged or repeated exposure.						
7.1 7.2		Avoid prolonged or repeated exposure. Keep container tightly closed. Store in accordance with information listed on the product insert.						

Multi-region format



8.1	Exposure Parameters:							
CAS	•	Jurisdiction	Recommended Exposure Limits	Notations				
67-66		ACGIH TLV	TLV: 10 ppm					
07-00		Europe	TWA: 10 mg/m3 (2 ppm)	Skin Absorptio				
		France VL	TWA: 10 mg/m3 (2 ppm)					
			STEL: 250 mg/m3 (50 ppm)					
		OSHA PELs	CEIL: 50 ppm					
		Britain EH40	TWA: 9.9 mg/m3 (2 ppm) STEL: ()	Skin Absorptio				
3.2	Exposure Controls:							
3.2.1	Engineering Controls Use	process enclosures, loca	al exhaust ventilation, or other engineering con	trols to control airbor				
(Ventilation etc.): levels below recommended exposure limits.								
3.2.2	Personal protection equipmer	nt:						
	Eye Protection: Safety glasses							
	Protective Gloves: Con	npatible chemical-resistar	nt gloves					
	Other Protective Clothing:Lab	coat						
	Respiratory Equipment NIO	SH approved respirator, a	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.						
	Secti	on 9. Physical a	and Chemical Properties					
.1	Information on Basic Physical	and Chemical Propertie	S					
	Physical States:	[] Gas [X] Liqui	id [] Solid					
	Appearance and Odor:	A solution in chlorofor	m					
	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):	160 MM_HG at 20	0.0 C					
	Vapor Density (vs. Air = 1):	No data.						
	Specific Gravity (Water = 1):	No data.						
	Solubility in Water:	No data.						
		No data.						
	Octanol/Water Partition	No data.						



Cay	man			1,2-Diai a	ciliuoiloyi-sii	-grycero-	5-1 C	Revisio	n: 01/21/2017	
	Autoignit	ion Pt:	1	No data.						
	Decompo	sition Tempera	ture: N	No data.						
	Viscosity	:	1	No data.						
9.2	Other Info	ormation								
	Percent V	/olatile:	١	No data.						
	Molecula	r Formula & We	ight: (C48H80NO8P	830.1					
			Se	ction 10.	Stability and	Reactivit	ty			
10.1	Reactivity	•					•			
10.2	Stability:	-								
10.3	Stability I	Note(s):	Stable if	stored in accor	dance with inform	ation listed on	the product in:	sert.		
	Polymeria	zation:	Will occu	ur[] Willı	not occur [X]					
10.4	Condition	ns To Avoid:	protect f	rom air, light, a	nd heat					
10.5	Incompat	ibility - Material	-	-						
	To Avoid	-	lithium							
			magnes	ium						
			potassiu	m						
			sodium/sodium oxides							
			-	strong bases						
			strong oxidizing agents							
10.6				arbon dioxide						
	Decompo		carbon monoxide							
	Byproducts: chlorine hydrogen chloride gas									
	-			phosgene gas						
				-	oxicological	Informati	on			
11.1	Informati	on on						ied		
		gical Effects:		The toxicological effects of this product have not been thoroughly studied. Chloroform - Toxicity Data: Oral LD50 (rat): 300 mg/kg; Oral LD50 (mouse): 36 mg/kg; Skin LD50						
		,	(rabbit): > 20 gm/kg; Inhalation TCLO (human): 5,000 mg/m3 (7m); Inhalation LC50 (rat): 47,702							
			mg/m3 (4h);						
		Chloroform - Irritation Data: Skin (rabbit):					ld; Eye (rabbit): 20 mg (24h) moderate;	
	Chronic 1	Foxicological	Chloroform - Investigated as a carcinogen, mutagen, reproductive effector and tumorigen; May							
			cause damage to organs through prolonged or repeated exposure.							
			•	• •	Toxic Effects of Ch		ances (RTECS	b) data is pres	ented here.	
				•	CS for complete in					
				Chloroform RTECS Number: FS9100000.						
	• •			Chloroform - California Prop. 65 carcinogen.						
Carai			Chloroform - IARC category 2B; NTP Carcinogen - reasonably anticipated; NTP? No IARC Monographs? Yes OSHA Regulated? No							
CAS	nogenicity:		NTP? N		•	-		ACGIH	OSHA	
		Hazardous Com	-		-	NTP	IARC			
1768		•			0,23-tetraen-1-am -[[(5Z,8Z,11Z,14Z)		n.a.	n.a.	n.a.	
67	′-66-3	Chloroform				Possible	2B	A3	n.a.	
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			Section 12. Ecolog	gical Informa	ntion			
12.1	2.1 Toxicity: Avoid release into the environment.							
	Runoff from fire control or dilution water may cause pollution.							
12.2	Persiste	tence and No data available.						
	Degrada	ıbility:						
12.3	Bioaccu	mulative	No data available.					
	Potentia							
12.4	2.4 Mobility in Soil: No data available.							
12.5	.5 Results of PBT and vPvB No data available.							
	assessn							
12.6	Other ad	lverse effects:	No data available.	_				
			Section 13. Dispos					
13.1	Waste D	isposal Method:	Dispose in accordance with local	, state, and federal	regulations.			
			Section 14. Trans	port Informa	ation			
14.1	LAND T	RANSPORT (US I	DOT):					
D	OT Prope	r Shipping Name:	Chloroform Solution					
	OT Hazar		6.1 POISON					
U	N/NA Nur	nber:	1888	Packing Gro	oup:	III		
	POISON 6							
14.1	LAND T	RANSPORT (Euro	opean ADR/RID):					
A	DR/RID S	hipping Name:	Chloroform Solution					
U U	N Numbe	r:	1888	Packing Gro	III			
н	azard Cla	ss:	6.1 - POISON					
14.3	AIR TR	ANSPORT (ICAO/I	ATA):					
		Shipping Name:						
_	N Numbe		1888	Packing Group:		 		
	azard Cla		6.1 - POISON IATA Classification: 6.1					
	ional Traination:	nsport	Transport in accordance with loc When sold in quantities of less th		-	Excepted Quantity Code of		
	nation.		E1, E2, E4, or E5, this item mee	•				
			Therefore packaging does not ha		-	•		
			Section 15. Regula	atory Informa	ation			
EPA	SARA (Su	perfund Amendm	ents and Reauthorization Act o	f 1986) Lists				
CAS	#	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)		
1768	aen-1-aminium,4		osphanonacosa-14,17,20,23-tetr hydroxy-N,N,N-trimethyl-10-oxo- Z)-1-oxo-5,8,11,1	No	No	No		
67	-66-3	Chloroform		Yes 10000 LB	Yes 10 LB	Yes		
						Multi-region format		



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CAS # Hazardous Com		ponents (Chemical Name)	Other US EPA or State Lists		
aen-1-aminium,4-		nosphanonacosa-14,17,20,23-tetr -hydroxy-N,N,N-trimethyl-10-oxo- 4Z)-1-oxo-5,8,11,1			
67-66-3	7-66-3 Chloroform		CAA HAP,ODC: HAP; CWA NPDES: Yes; TSCA: Yes - Inventory, 8A CAIR; CA PROP.65: Yes		
Regulatory Information Statement:		This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.			
		Section 16. Oth	er Information		
Revision Date:		01/21/2017			
Additional Information About		No data available.			
This Product:					
Company Policy or Disclaimer:		currently available to us. Howeve express or implied, with respect	s believed to be accurate and represents the best information er, we make no warranty of merchantability or any other warranty, to such information, and we assume no liability resulting from its wn investigations to determine the suitability of the information for		