

Revision: 09/29/2017 Supersedes Revision: 05/28/2014

1.       Product Code:       15097         Product Name:       1.2-Dimyristoyl-sn-glycerol-3-PC         Synonyms:       1.2-dimyristoyl-sn-glycerol-3-Phosphatidylcholine;         1.2-Zimyristoyl-sn-glycerol-3-Phosphatidylcholine;       1.2-DMPC;         1.2-Zimyristoyl-sn-glycerol-3-Phosphatidylcholine;       1.2-DMPC;         1.2-Zimyristoyl-sn-glycerol-3-Phosphatidylcholine;       1.2-DMPC;         1.2-Zimyristoyl-sn-glycerol-3-Phosphatidylcholine;       1.2-DMPC;         1.2-Zimyristoyl-sn-glycerol-3-Phosphatidylcholine;       1.2-DMPC;         1.2-Zimyristoyl-sn-glycerol-3-Phosphatidylcholine;       1.2-DMPC;         3.Details of the Supplier of the Safety Data Sheet:       Company Name:       Cayman Chemical Company         1180 E. Ellsworth Rd.       Ann Arbor, MI 49108       Ann Arbor, MI 49108         Web site address:       Waw, azymanchem.com       Information:       Cayman Chemical Company         1160 E. Ellsworth Rd.       Ann Arbor, MI 49108       And Canada:       +1 (703)921-3335         12-Emergency telephone number:       Emergency telephone number:       Emergency Contact:       CHEMTREC Within USA and Canada:       +1 (703)927-3387         12-Label Elements:       GHS Signal Word:       None       GHS Signal Word:       None         GHS Nazard Phrases:       No phrases apply.       GHS Response Phrases:			Section 1.	Identification of the Substar	nce/Mixture and of	f the Company/U	ndertaking		
Product Name:       1,2-Dimyristoyl-sn-glycerol-3-PC         Synonyms:       1,2-dimyristoyl-sn-glycerol-3-Phosphatidylcholine; 1,2-DMPC; 1,2-Dimyristoyl-sn-glycerol-3-Phosphatidylcholine; 1,2-DMPC;         1,2-Dimyristoyl-sn-glycerol-3-Phosphatidylcholine; 1,2-DMPC;         1,2-Dimyristoyl-sn-glycerol-3-Phosphatidylcholine; 1,2-DMPC;         1,2-Dimyristoyl-sn-glycerol-3-Phosphatidylcholine; 1,2-DMPC;         1,2-Dimyristoyl-sn-glycerol-3-Phosphatidylcholine; 1,2-DMPC;         1,2-Dimyristoyl-sn-glycerol-3-PC         3Details of the Supplier of the Safety Data Sheet:         Company Name:       Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Actor, MI 48108         Web site address:       www.caymanchem.com         Information:       Cayman Chemical Company         +1 (734)971-3335         4       Emergency Contact:         CHEMTREC Outside USA and Canada:       +1 (703)527-3887         2       Label Elements:         CHEMTREC Outside USA and Canada:       +1 (703)527-3887         2       Label Elements:         CHS Signal Word:       None         GHS Stard Phrases:       None         No phrases apply.       GHS Storage and Disposal Phrases:         No phrases apply.       Material may be irritating to the mucous membranes and upper respiratory tract.         Effects and Symptoms:       May be inritating to t	.1	Product	t Code:	15097					
1,2-Dimyristoyl-sn-glycerol-3-Phosphocholine;         2.       Relevant identified uses of the substance or mixture and uses advised against: Relevant identified uses: Or research use only, not for human or veterinary use.         3.       Details of the Subplier of the Safety Data Sheet: Company Name: Cayman Chemical Company 1180 E. Elisworth Rd. Ann Arbor, MI 48108 Web site address: www.caymanchem.com Information: Cayman Chemical Company       +1 (734)971-3335         4.       Emergency telephone number: Emergency Contact: CHEMTREC Outside USA and Canada: +1 (703)527-3887         5.       Section 2.       Hazards Identification         1.       Classification of the Substance or Mixture: Label Elements: Based on evaluation of currently available data this substance or mixture is not classifiable according to GHS. GHS Negonse Phrases: No phrases apply. GHS Response Phrases: No phrases apply. GHS Storage and Disposal Phrases: No phrases apply. GHS Response Phrases: No phrases apply. May to mitaminable or explosive dust-air mixtures. Avoid creation of dust. To the best of our knowledge, the toxicological properties have not been throughly investiga Section 3.         3.       Adverse Human Heaht Material may be initiating to the mucous membranes and upper respiratory tract. Effects and Symptoms: May be harmful by inhalation, ingestion, or skin absorption. May cause eye, skin, or respiratory system irritation. May form flammable or explosive dust-air mixtures. Avoid creation of dust. To the best of our knowledge, the toxicological properties have not been throughly investiga Section 3.         CAS # /       Hazardous Components (Chemical Name)/ Concentration       Concentration EC No/ EC No/ EC No/ EC No/ EC No/ EC		Product	t Name:	1,2-Dimyristoyl-sn-glycer	rol-3-PC				
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Please refer to Section 7 for Storage and Section 13 for Disposal information.         3       Adverse Human Health Effects and Symptoms:       Material may be irritating to the mucous membranes and upper respiratory tract. May be harmful by inhalation, ingestion, or skin absorption. May cause eye, skin, or respiratory system irritation. May form flammable or explosive dust-air mixtures. Avoid creation of dust. To the best of our knowledge, the toxicological properties have not been thoroughly investigation. Section 3. Composition/Information on Ingredients         CAS # / REACH Registration No.       EC No./ EC Index No.       GHS Classification EC Index No.         18194-24-6       1,2-Dimyristoyl-sn-glycerol-3-PC       100.0 %       242-085-9       No data available.									
3       Adverse Human Health       Material may be irritating to the mucous membranes and upper respiratory tract.         May be harmful by inhalation, ingestion, or skin absorption.       May cause eye, skin, or respiratory system irritation.         May cause eye, skin, or respiratory system irritation.       May form flammable or explosive dust-air mixtures. Avoid creation of dust.         To the best of our knowledge, the toxicological properties have not been thoroughly investigation.         Section 3. Composition/Information on Ingredients         EAS # /         Hazardous Components (Chemical Name)/         REACH Registration No.       Concentration       EC No./       GHS Classification         18194-24-6       1,2-Dimyristoyl-sn-glycerol-3-PC       100.0 %       242-085-9       No data available.		5							
Effects and Symptoms:       May be harmful by inhalation, ingestion, or skin absorption.         May cause eye, skin, or respiratory system irritation.       May form flammable or explosive dust-air mixtures. Avoid creation of dust.         To the best of our knowledge, the toxicological properties have not been thoroughly investigation.       Section 3. Composition/Information on Ingredients         CAS # /       Hazardous Components (Chemical Name)/       Concentration       EC No./       GHS Classification         TECS #       Hazardous Components (Chemical Name)/       100.0 %       242-085-9       No data available.	3								
May cause eye, skin, or respiratory system irritation.         May form flammable or explosive dust-air mixtures. Avoid creation of dust.         To the best of our knowledge, the toxicological properties have not been thoroughly investigation.         Section 3. Composition/Information on Ingredients         CAS # /       Hazardous Components (Chemical Name)/         REACH Registration No.       Concentration         18194-24-6       1,2-Dimyristoyl-sn-glycerol-3-PC         100.0 %       242-085-9	.5						spiratory trade.		
May form flammable or explosive dust-air mixtures. Avoid creation of dust. To the best of our knowledge, the toxicological properties have not been thoroughly investigation         Section 3. Composition/Information on Ingredients         CAS # / REACH Registration No.       EC No./ EC No./ EC Index No.       GHS Classification         18194-24-6       1,2-Dimyristoyl-sn-glycerol-3-PC       100.0 %       242-085-9       No data available.									
To the best of our knowledge, the toxicological properties have not been thoroughly investigat         Section 3. Composition/Information on Ingredients         CAS # / REACH Registration No.       Concentration       EC No./ EC Index No.       GHS Classification         18194-24-6       1,2-Dimyristoyl-sn-glycerol-3-PC       100.0 %       242-085-9       No data available.									
CAS # / RTECS #     Hazardous Components (Chemical Name)/ REACH Registration No.     Concentration EC Index No.     EC No./ EC Index No.     GHS Classification       18194-24-6     1,2-Dimyristoyl-sn-glycerol-3-PC     100.0 %     242-085-9     No data available.		To the best of our knowledge, the toxicological properties have not been thoroughly investigate							
CAS # / RTECS #     Hazardous Components (Chemical Name)/ REACH Registration No.     Concentration EC Index No.     EC No./ EC Index No.     GHS Classification       18194-24-6     1,2-Dimyristoyl-sn-glycerol-3-PC     100.0 %     242-085-9     No data available.			Soct	ion 2 Composition	Information	on Ingradia	nto		
RTECS #REACH Registration No.EC Index No.18194-24-61,2-Dimyristoyl-sn-glycerol-3-PC100.0 %242-085-9No data available.			1	•	1		1		
							GHS Classification		
		4-24-6	1,2-Dimyristoyl-sn-gl	ycerol-3-PC	100.0 %		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	A solid water stream may be inefficient.
	Media:	
5.2	Flammable Properties an	dNo data available.
	Hazards:	No data available.
	Flash Pt:	No data available.
	Explosive Limits:	LEL: No data. UEL: No data.
	Autoignition Pt:	No data.
5.3	-	: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or
5.5		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.
		<b>d</b> 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	Methods and Material Fo	r Contain spill and collect, as appropriate.
	Containment and Cleanir	$\log$ Transfer 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



8.2	Exposure Controls:						
8.2.1	Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne					
	(Ventilation etc.):	evels below recommended exposure limits.					
8.2.2	Personal protection equipment:						
	Eye Protection: S	Safety glasses					
	Protective Gloves: C	Compatible chemical-resistant gloves					
	Other Protective Clothing:L	ab coat					
	Respiratory Equipment N	IIOSH approved respirator, as conditions warrant.					
	(Specify Type):						
	Work/Hygienic/Maintenan D	o not take internally.					
	ce Practices: F	acilities storing or utilizing this material should be equipped with an eyewash and a safety shower.					
	V	Vash thoroughly after handling.					
	Ν	lo data available.					
	Soc	ction 9. Physical and Chemical Properties					
9.1	Information on Basic Physic	-					
	Physical States:	[]Gas []Liquid [X]Solid					
	Appearance and Odor:	A crystalline 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 n	nm No data.					
	Hg):						
	Vapor Density (vs. Air = 1):	No data.					
	Specific Gravity (Water = 1)						
	Solubility in Water:	No data.					
	Solubility Notes:	~25 mg/ml in EtOH;					
	Octanol/Water Partition	No data.					
	Coefficient:						
	Autoignition Pt:	No data.					
	Decomposition Temperature	e: No data.					
	Viscosity:	No data.					
9.2	Other Information						
	Percent Volatile:	No data.					
	Molecular Formula & Weigh	t: C36H72NO8P 677.9					



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					Su	upersedes Revis	ion: 05/28/20
			Section 10. Stability an	d Reactiv	/ity		
10.1	Reactivi	ty:	No data available.				
10.2	Stability	:	Unstable [ ] Stable [ X ]				
10.3	Stability	Note(s):	Stable if stored in accordance with inform	nation listed o	n the product	insert.	
	Polymer	ization:	Will occur [ ] Will not occur [ X ]				
10.4	Conditio	ons To Avoid:	No data available.				
10.5	Incompa	atibility - Materials	strong oxidizing agents				
	To Avoid	-					
10.6	Hazardo	us	carbon dioxide				
	Decomp	osition or	carbon monoxide				
	Byprodu		nitrogen oxides				
			phosphorous oxides				
			Section 11. Toxicologica	l Informa	ition		
11.1	Informat	tion on	The toxicological effects of this product I			udied.	
	Toxicolo	ogical Effects:					
CAS #		-	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA
		1,2-Dimyristoyl-sr		n.a.	n.a.	n.a.	n.a.
1013	54-24-0	1,Z-Dimynatoyi-ai			II.a.	11.a.	11.a.
		1	Section 12. Ecological		on	ł	ļ
12.1	Toxicity				on	4	ł
12.1	Toxicity		Section 12. Ecological	Informati		-	_ <b>I</b>
12.1	Toxicity Persiste	<u> </u>	Section 12. Ecological Avoid release into the environment.	Informati		-	-
	-	nce and	Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution water	Informati			
	Persiste Degrada	nce and	Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution water	Informati			-
12.2	Persiste Degrada	nce and bility: mulative	Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution water No data available.	Informati			
12.2	Persiste Degrada Bioaccu	: nce and ibility: mulative l:	Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution water No data available.	Informati			
12.2 12.3	Persiste Degrada Bioaccu Potentia Mobility	: nce and ibility: mulative l: in Soil:	Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution water No data available. No data available.	Informati			-
12.2 12.3 12.4	Persiste Degrada Bioaccu Potentia Mobility	nce and Ibility: mulative I: in Soil: of PBT and vPvB	Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution water No data available. No data available.	Informati			
12.2 12.3 12.4	Persiste Degrada Bioaccu Potentia Mobility Results assessm	nce and Ibility: mulative I: in Soil: of PBT and vPvB	Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution water No data available. No data available.	Informati			
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12.2 12.3 12.4 12.5 12.6	Persiste Degrada Bioaccu Potentia Mobility Results assessm Other ac	nce and ability: mulative l: in Soil: of PBT and vPvB nent: lverse effects:	Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution water No data available. No data available. No data available. No data available. No data available. Section 13. Disposal Co	Informati may cause po	ollution.		
12.2 12.3 12.4 12.5	Persiste Degrada Bioaccu Potentia Mobility Results assessm Other ac	: nce and ibility: mulative l: in Soil: of PBT and vPvB nent:	Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution water No data available. No data available. No data available. No data available. No data available. Section 13. Disposal Co	Informati may cause po nsiderati and federal re	ONS		
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12.2 12.3 12.4 12.5 12.6 13.1 14.1 D( UI 14.1	Persiste Degrada Bioaccu Potentia Mobility Results assessm Other ac Waste D LAND T OT Prope OT Hazar N/NA Nun LAND T	: nce and ability: mulative l: in Soil: of PBT and vPvB ment: lverse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class: nber: RANSPORT (Euro	Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution water No data available. No data available. No data available. No data available. No data available. Section 13. Disposal Co Dispose in accordance with local, state, Section 14. Transport DOT): Not dangerous goods.	Informati may cause po nsiderati and federal re	ONS		
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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 Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
18194-24-6	1,2-Dimyristoyl-s	n-glycerol-3-PC	No	No	No	
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or	State Lists	•	
18194-24-6	1,2-Dimyristoyl-s	n-glycerol-3-PC	CAA HAP,ODC: I PROP.65: No	No; CWA NPDES	: No; TSCA: No; CA	
Regulatory Infe Statement:	ormation	This SDS was prepared in accord No.1272/2008.	ordance with 29 CFR	1910.1200 and R	egulation (EC)	
		Section 16. Ot	her Informatio	n		
Revision Date:		09/29/2017				
Additional Information About This Product:		No data available.				
Company Policy or Disclaimer:		DISCLAIMER: This information currently available to us. However express or implied, with respect use. Users should make their of their particular purposes.	ver, we make no war t to such information	ranty of merchanta , and we assume r	ability or any other warranty no liability resulting from its	