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	according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2015/830 and US OSHA HCS 2015			
	Section 1.	dentification of the Substance/Mixture and of th	e Company/Undertaking	
.1	Product Code:	25629		
	Product Name:	Dodecylphosphocholine		
	Synonyms:	2-[[(dodecyloxy)hydroxyphosphinyl]oxy]-N,N,N	-trimethyl-ethanaminium, inner salt;	
		n-Dodecylphosphocholine; MAPCHO-12;		
.2	Relevant identified uses o	f the substance or mixture and uses advised aga	ainst:	
	Relevant identified uses	For research use only, not for human or veterin	nary use.	
.3	Details of the Supplier of t	he 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	
.4	Emergency telephone nun	nber:		
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300	
		CHEMTREC Outside USA and Canada:	+1 (703)527-3887	
		Section 2. Hazards Identifica	ation	
	Toxic To Reproduction,	Category 1B		
2.2	-	Category 1B oxicity (single exposure), Category 3		
2.2	Specific Target Organ To			
2.2	Specific Target Organ To Label Elements:	oxicity (single exposure), Category 3		
2.2	Specific Target Organ To Label Elements:	oxicity (single exposure), Category 3 Danger		
2	Specific Target Organ To Label Elements: GHS Signal Word: GHS Hazard Phrases:	oxicity (single exposure), Category 3 Danger		
.2	Specific Target Organ To Label Elements: GHS Signal Word: GHS Hazard Phrases: H315: Causes skin irritation	Danger Danger gic skin reaction.		
.2	Specific Target Organ To Label Elements: GHS Signal Word: GHS Hazard Phrases: H315: Causes skin irritation H317: May cause an aller	Danger Danger on. gic skin reaction. e irritation.		
.2	Specific Target Organ To Label Elements: GHS Signal Word: GHS Hazard Phrases: H315: Causes skin irritation H317: May cause an aller H319: Causes serious eye	Danger on. gic skin reaction. e irritation. ory irritation.		
.2	Specific Target Organ To Label Elements: GHS Signal Word: GHS Hazard Phrases: H315: Causes skin irritation H317: May cause an aller H319: Causes serious eye H335: May cause respirat	Danger on. gic skin reaction. e irritation. ory irritation. y or the unborn child.		
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	to do. Continue rinsing.				
	P308+313: IF exposed or concerned: Get medical attention/advice.				
	P312: Call a POISON CE	ENTER or doctor/physician if you feel unwell.			
	P332+313: If skin irritatio	n occurs, get medical advice/attention.			
	P333+313: If skin irritatio	n or rash occurs, seek medical advice/attention.			
	P337+313: If eye irritatio	n persists, get medical advice/attention.			
	P362+364: Take off cont	aminated clothing and wash it before reuse.			
	GHS Storage and Dispo	osal Phrases:			
	Please refer to Section 7	for Storage and Section 13 for Disposal information.			
2.3	Adverse Human Health	Causes serious eye irritation.			
	Effects and Symptoms:	Causes skin irritation.			
		Material may be irritating to the mucous membranes and upper respiratory tract.			
		May be harmful by inhalation, ingestion, or skin absorption.			
		May cause an allergic skin reaction.			
		May cause respiratory system irritation.			
		May damage fertility or the unborn child.			
		To the best of our knowledge, the toxicological properties have not been thoroughly investigated.			
	Sec	tion 3. Composition/Information on Ingredients			
CAS	#/ Hazardous Com	ponents (Chemical Name)/ Concentration FC No./ GHS Classification			

CAS # / RTECS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
29557-51-5 NA	Dodecylphosphocholine	100.0 %	NA NA	Skin Corr. 2: H315 Eye Damage 2: H319 STOT (SE) 3: H335 H336 Skin Sens. 1: H317 Toxic Repro. 1B: H360

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.



Media: Use water spray to cool fire-exposed containers. Unsuitable Extinguishing A solid water stream may be inefficient. Media: 5.2 Flammable Properties andNo data available. Hazards: No data available. Flash Pt: No data. Explosive Limits: LEL: No data. Limits: LEL: No data. S.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 8.1 Protective Precautions, Avoid breathing vapors and provide adequate ventilation. Protective Equipment and 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: 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.			
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Media: Imamable Properties andNo data available. Hazards: No data available. Flash Pt: No data. Explosive Limits: LEL: No data. Statistics: No data. UP: Section 6. Acciditions warrant, wear NOSH approved self-contained breathing apparatus, or respirator, Emergency Procedures: and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves). Environmental Take steps to avoid release into the environment, if safe to do so. Preceations: Section 7. Handling and Storage 71 Precautions To Be Taken Avoid prolonged or repeated exposure. 72 Precautions To Be Taken Koo data exordance with information listed on the product insert.<			
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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. Section 8. Exposure Controls/Personal Protection 8.1 Exposure Controls: Base of the protection exposure instant of the product insert. Section 8. Exposure Controls/Personal Protection 8.1 Exposure Controls: Base of the protection exposure instant of the protection exposure instant of the protection equipment: Eye Protection: Safety glasses Protective Gloves: Compatible chemical-resistant gloves Other Protective Clothing:Lab coat Respiratory Equipment VIOSH 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 eyewa			
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ce Practices: Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower Wash thoroughly after handling.			De rest teles internelle
Wash thoroughly after handling.			
No data available.		ce Practices:	
			No data available.



Revision: 09/29/2018

Physical States: Appearance and Odor: pH: Melting Point: Boiling Point: Flash Pt: Evaporation Rate:	cal and Chemical Properties []Gas []Liquid [X]Solid A crystalline solid No data. No data. No data. No data. No data. No data. No data. No data. No data.			
Appearance and Odor: pH: Melting Point: Boiling Point: Flash Pt:	A crystalline solid No data. No data. No data.			
pH: Melting Point: Boiling Point: Flash Pt:	No data. No data. No data.			
Melting Point: Boiling Point: Flash Pt:	No data. No data.			
Boiling Point: Flash Pt:	No data.			
Flash Pt:	No data.			
Evaporation Rate:				
	No data.			
Flammability (solid, gas):	No data available.			
Explosive Limits:	LEL: No data. UEL: No data.			
-	mm No data.			
Hg):				
Vapor Density (vs. Air = 1):	No data.			
Specific Gravity (Water = 1)): No data.			
	No data.			
Solubility Notes:	~25 mg/ml in PBS (pH 7.2); ~15 mg/ml in EtOH; ~16 mg/ml in DMSO & DMF;			
Octanol/Water Partition	No data.			
Coefficient:				
Autoignition Pt:	No data.			
-	No data.			
	No data.			
-				
	No data.			
	Section 10. Stability and Reactivity			
Depativity	No data available.			
,				
	Unstable [] Stable [X]			
• • • •	Stable if stored in accordance with information listed on the product insert.			
-	Will occur [] Will not occur [X]			
	No data available.			
	strong oxidizing agents			
	carbon dioxide			
	carbon monoxide			
71	nitrogen oxides phosphorous oxides			
	Vapor Pressure (vs. Air or 1 Hg): Vapor Density (vs. Air = 1): Specific Gravity (Water = 1 Solubility in Water: Solubility Notes: Octanol/Water Partition Coefficient: Autoignition Pt: Decomposition Temperature Viscosity: Other Information Percent Volatile: Molecular Formula & Weigl Reactivity: Stability: Stability: Stability Note(s): Stability Note(s): Conditions To Avoid: Incompatibility - Materials S To Avoid: Hazardous			



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			Section 11. To	oxicological	Informa	ation			
	Informat		The toxicological effects	s of this product ha	ve not beer	n thoroughly st	udied.		
		gical Effects:							
	ogenicity			onographs? No		egulated? No			
CAS #			ponents (Chemical Nan	ne)	NTP	IARC	ACGIH	OSHA	
29557	7-51-5	Dodecylphosphoo	choline		n.a.	n.a.	n.a.	n.a.	
			Section 12.	Ecological Ir	nformat	ion			
2.1	Toxicity:		Avoid release into the e	nvironment.					
			Runoff from fire control or dilution water may cause pollution.						
	Persiste		No data available.						
	Degrada	-							
	Bioaccui Potential		No data available.						
	Mobility		No data available.						
	-		No data available.						
	assessm	ent:							
2.6	Other ad	verse effects:	No data available.						
			Section 13. D	isposal Con	siderat	ions			
3.1	Waste Di	isposal Method:	Dispose in accordance	with local, state, ar	nd federal r	egulations.			
			Section 14.	Transport Ir	nformat	ion			
4.1	LAND T	RANSPORT (US I	DOT):						
DO)T Prope	Shipping Name:	Not dangerous goo	ds.					
DO	OT Hazaro	d Class:							
UN	I/NA Num	nber:							
4.1	LAND T	RANSPORT (Euro	ppean ADR/RID):						
		nipping Name:	Not dangerous goo	ds.					
-	I Number								
	zard Clas		ATA)-						
4.3		NSPORT (ICAO/I Shipping Name:	ATA): Not dangerous goo	de					
	onal Tran		Transport in accordance		and federal	l regulations			
	ation:	isport				regulations.			
			Section 15. F	Regulatory I	nformat	tion			
EPA S	ARA (Su	perfund Amendm	ents and Reauthorizati	<u> </u>					
CAS #		Hazardous Com	ponents (Chemical Nan	ne) S. 302 (EHS)	S. 304 RQ	S. 31:	B (TRI)	
29557	7-51-5	Dodecylphosphoo	choline	No		No	No		
CAS #		Hazardous Com	ponents (Chemical Nan	ne) Other U	S EPA or S	State Lists			
29557	7-51-5	Dodecylphosphocholine			CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No				

Multi-region format



Regulatory Information	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC)				
Statement:	No.1272/2008.				
Section 16. Other Information					
Revision Date:	09/29/2018				
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.				