

		accor	ding to Regulation (EC) No. 190	7/2006 as amended by	(EC) No. 1272/200	8		
		Section 1. Id	lentification of the Substan	ce/Mixture and of t	he Company/Ur	ndertaking		
1.1 Product Code: 21373 Product Name: 4-oxo-Docosahexaenoic Acid								
			4-oxo-Docosahexaenoic	Acid				
	Synony	ms:	4-oxo-DHA;					
1.2			the substance or mixture a	-	-			
	Releva	ant identified uses:	For research use only, no	ot for human or veter	inary use.			
1.3	Details	of the Supplier of th	e Safety Data Sheet:					
	Comp	any Name:	Cayman Chemical Comp	any				
			1180 E. Ellsworth Rd.					
	\ A /_b_		Ann Arbor, MI 48108					
		ite address:	www.caymanchem.com		4 (70	1)074 0005		
	Inform		Cayman Chemical Comp	any	+1 (734	4)971-3335		
1.4	-	ncy telephone num						
	Emerg	ency Contact:	CHEMTREC Within USA		+1 (800)424-9300			
			CHEMTREC Outside US	A and Canada:	+1 (70)	3)527-3887		
			Section 2. Haz	zards Identific	ation			
2.1	Classifi	cation of the Substa	nce or Mixture:					
2.2	Label E	ements:						
	GHS S	ignal Word:	None					
	GHS I	lazard Phrases:						
	Based	on evaluation of curr	rently available data this sub	stance or mixture is r	not classifiable ac	cording to GHS.		
	GHS F	Precaution Phrases:						
	No ph	rases apply.						
	GHS F	Response Phrases:						
	No ph	rases apply.						
	GHS S	Storage and Dispose	al Phrases:					
			r Storage and Section 13 for	Disposal information	۱.			
2.3	Advers	e Human Health	Material may be irritating to the	he mucous membran	es and upper res	piratory tract.		
	Effects	and Symptoms:	May be harmful by inhalation	, ingestion, or skin at	osorption.			
		1	May cause eye, skin, or resp	iratory system irritatio	on.			
		-	To the best of our knowledge	, the toxicological pro	operties have not	been thoroughly investigated.		
		Sectio	on 3. Composition	/Information c	on Ingredie	nts		
CAS	#/	Hazardous Compo	nents (Chemical Name)/	Concentration	EC No./	GHS Classification		
	CS #	REACH Registration No.			EC Index No.			
845673-74-7		4-oxo-Docosahexaenoic Acid		100.0 %	NA	No data available.		
NA					NA			

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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:	g A solid water stream may be inefficient.
5.2	Flammable Properties an Hazards:	IdNo 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 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.
		hgTransfer to a chemical waste container for disposal in accordance with local regulations.
	Up:	
		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		Keep container tightly closed.
	in Storing:	Store in accordance with information listed on the product insert.
L	Sec	tion 8. Exposure Controls/Personal Protection
8.1	Exposure Parameters:	

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	HIMICAL						
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:	y 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	ction 9. Physical and Chemical Properties					
9.1		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.					
	Octanol/Water Partition	No data.					
	Coefficient:						
	Autoignition Pt:	No data.					
	Decomposition Temperatu	: No data.					
	Viscosity:	No data.					
9.2	Other Information						
	Percent Volatile:	No data.					
	Molecular Formula & Weig	ht: C22H30O3 342.5					

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			Section 10. Stability an	d Reacti	vity				
10.1	Reactivit	ty:	No data available.						
10.2	Stability: Unstable [] Stable [X]								
10.3 Stability Note(s):			Stable if stored in accordance with inform	mation listed of	on the product	insert.			
Polymerization:		ization:	Will occur [] Will not occur [X]						
10.4	-		No data available.						
10.5	Incompa	tibility - Materials	No data available.						
	To Avoid	1:							
10.6	10.6 Hazardous		No data available.						
	Decomp	osition or							
	Byprodu	icts:							
			Section 11. Toxicologica	al Informa	ation				
11.1	Informat	ion on	The toxicological effects of this product	have not beer	n thoroughly st	udied.			
	Toxicolo	gical Effects:							
CAS	#	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA		
8456	73-74-7	4-oxo-Docosahex	aenoic Acid	n.a.	n.a.	n.a.	n.a.		
		Į	Section 12 Ecological	Informat	ion				
			Section 12. Ecological	ΠΙΟΠΠαι					
12.1	Toxicity:		Avoid release into the environment.						
			Runoff from fire control or dilution water may cause pollution.						
12.2	Persiste		No data available.						
40.0	Degrada	-	No data available						
12.3	12.3 Bioaccumulative No data available.								
12.4	Potential: Mobility in Soil: No data available.								
12.4	-								
12.5									
12.6	assessment:								
12.0									
			Section 13. Disposal Co						
13.1	Waste D	isposal Method:	Dispose in accordance with local, state,		-				
			Section 14. Transport	Informat	ion				
14.1	LAND T	RANSPORT (US I	DOT):						
D	OT Prope	r Shipping Name:	Not dangerous goods.						
D	OT Hazaro	d Class:							
U	N/NA Nun	nber:							
14.1	LAND T	RANSPORT (Euro	opean ADR/RID):						
A	ADR/RID Shipping Name:		Not dangerous goods.						
	UN Number:								
н	azard Cla	SS:							



14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name:

Not dangerous goods. Transport in accordance with local, state, and federal regulations.

Additional Transport Information:

Section 15. Regulatory Information

CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
845673-74-7	4-oxo-Docosahe	kaenoic Acid	No	No	No	
CAS # Hazardous Con		nponents (Chemical Name) Other US EPA or State Lists			•	
845673-74-7	4-oxo-Docosahexaenoic Acid		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
Regulatory Information Statement:		This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.				
		Section 16. Ot	her Informatic	n		
Revision Date:		05/09/2017				
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.				