

Revision: 02/13/2018

		accon	ding to Regulation (EC) No. 1907/2006 as amend	EQ DY (EC) NO. 1272/200	08		
					a da dal fac		
		Section 1. Id	entification of the Substance/Mixture and	of the Company/U	ndertaking		
.1	Product		24400				
	Product		C30 Ceramide (d18:1/30:0)				
	Synony	ms:			-3-heptadecen-1-yl]-triacontanamide; Ceramide		
			(d18:1/30:0); Cer(d18:1/30:0); N-triacont		igosine;		
.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.						
.3		of the Supplier of the	-				
	Comp	any Name:	Cayman Chemical Company				
			1180 E. Ellsworth Rd. Ann Arbor, MI 48108				
	Web s	ite address:	www.caymanchem.com				
		nation:	Cayman Chemical Company	+1 (73	4)971-3335		
.4	Fmerge	ency telephone numb		Υ.	,		
	-	gency Contact:	CHEMTREC Within USA and Canada:	+1 (80	00)424-9300		
	-		CHEMTREC Outside USA and Canada:)3)527-3887		
			Section 2. Hazards Iden	tification			
				lineation			
	Cleasifi	action of the Substa	noo or Mixturo.				
		cation of the Substa	nce or Mixture:				
	Label E	lements:					
	Label E GHS S	lements: Signal Word:	nce or Mixture: None				
	Label E GHS S GHS I	lements: Signal Word: Hazard Phrases:	None	- i			
	Label E GHS S GHS I Based	lements: Signal Word: Hazard Phrases: I on evaluation of curr		e is not classifiable ad	ccording to GHS.		
	Label E GHS S GHS I Based GHS I	lements: Signal Word: Hazard Phrases: I on evaluation of curre Precaution Phrases:	None	e is not classifiable ad	ccording to GHS.		
2.1 2.2	Label E GHS S GHS I Based GHS I No ph	lements: Signal Word: Hazard Phrases: I on evaluation of curr Precaution Phrases: rases apply.	None	e is not classifiable ad	ccording to GHS.		
	Label E GHS S GHS I Based GHS I No ph GHS I	lements: Signal Word: Hazard Phrases: I on evaluation of curre Precaution Phrases: rases apply. Response Phrases:	None	e is not classifiable ad	ccording to GHS.		
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2.2	Label E GHS S GHS I Based GHS I No ph GHS S Please Advers	lements: Signal Word: Hazard Phrases: I on evaluation of curre Precaution Phrases: rases apply. Response Phrases: rases apply. Storage and Disposa e refer to Section 7 for the Human Health and Symptoms:	None ently available data this substance or mixtur I Phrases: Storage and Section 13 for Disposal inform Material may be irritating to the mucous men	ation. Ibranes and upper res kin absorption. ritation.	spiratory tract.		
2.2	Label E GHS S GHS I Based GHS I No ph GHS S Please Advers	lements: Signal Word: Hazard Phrases: I on evaluation of curre Precaution Phrases: rases apply. Response Phrases: rases apply. Storage and Disposa e refer to Section 7 for the Human Health and Symptoms: M T	None ently available data this substance or mixtur I Phrases: Storage and Section 13 for Disposal inform Material may be irritating to the mucous men May be harmful by inhalation, ingestion, or su May cause eye, skin, or respiratory system ir To the best of our knowledge, the toxicologic	ation. Ibranes and upper res kin absorption. ritation. al properties have no	spiratory tract. t been thoroughly investigated		
2.2	Label E GHS S GHS I Based GHS I No ph GHS S Pleas Advers Effects	lements: Signal Word: Hazard Phrases: d on evaluation of current Precaution Phrases: rases apply. Response Phrases: rases apply. Storage and Disposa e refer to Section 7 for the Human Health and Symptoms: M T Section Hazardous Component	None ently available data this substance or mixtur I Phrases: Storage and Section 13 for Disposal inform Material may be irritating to the mucous men May be harmful by inhalation, ingestion, or sl May cause eye, skin, or respiratory system ir to the best of our knowledge, the toxicologic on 3. Composition/Informatic ments (Chemical Name)/	ation. Ibranes and upper res kin absorption. ritation. al properties have no on on Ingredie	spiratory tract. t been thoroughly investigated		
2.2 2.3 CAS # RTEC	Label E GHS S GHS I Based GHS I No ph GHS S Pleas Advers Effects	lements: Signal Word: Hazard Phrases: I on evaluation of curre Precaution Phrases: rases apply. Response Phrases: rases apply. Storage and Disposa e refer to Section 7 for the Human Health and Symptoms: M Section	None ently available data this substance or mixtur I Phrases: Storage and Section 13 for Disposal inform Material may be irritating to the mucous men May be harmful by inhalation, ingestion, or sl May cause eye, skin, or respiratory system ir to the best of our knowledge, the toxicologic on 3. Composition/Information nents (Chemical Name)/ n No.	ation. branes and upper rest in absorption. ritation. al properties have no on on Ingredie EC No./	spiratory tract. t been thoroughly investigated nts		

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 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 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.
	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 Taker	Avoid breathing dust/fume/gas/mist/vapours/spray.
	in Handling:	Avoid prolonged or repeated exposure.
7.2	Precautions To Be Taker	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:	
1		

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	HEMICAL						
8.2	Exposure Controls:						
8.2.1							
	(Ventilation etc.):	levels below recommended exposure limits.					
8.2.2	Personal protection equip	ment:					
	Eye Protection:	Safety glasses					
	Protective Gloves:	Compatible chemical-resistant gloves					
	Other Protective Clothing:	Lab coat					
	Respiratory Equipment	approved respirator, as conditions warrant.					
	(Specify Type):						
	(Specify Type). Work/Hygienic/Maintenan Do not take internally.						
		Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower.					
		Wash thoroughly after handling.					
		No data available.					
		ection 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.					
	Solubility Notes:	Soluble in: chloroform; EtOH; a 2:1 solution of chloroform:MeOH;					
	Octanol/Water Partition	No data.					
	Coefficient:						
	Autoignition Pt:	No data.					
	Decomposition Temperatu						
	Viscosity:	No data.					
	-	NU Uata.					
9.2	Other Information						
	Percent Volatile:	No data.					
	Molecular Formula & Weig	ht: C48H95NO3 734.3					
1							



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			Section 10. Stability an		vity			
10.1	Reactivi	ty:	No data available.					
10.2	Stability	:	Unstable [] Stable [X]					
10.3	Stability Note(s):		Stable if stored in accordance with information listed on the product insert.					
	Polymer	ization:	Will occur [] Will not occur [X] No data available.					
10.4	Conditio	ns To Avoid:						
10.5 Incompatibility - Materials To Avoid:			strong oxidizing agents					
10.6			and an allocate					
	Hazardous Decomposition or		carbon dioxide					
	Byprodu		carbon monoxide					
	Byproue		Section 11. Toxicologica	Inform	ation			
11.1	Informat	ion on	The toxicological effects of this product			udied		
		gical Effects:		lave not beel	in thoroughly st	uuleu.		
<u></u>		-						
CAS			ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
8715	540-97-5	C30 Ceramide (d	18:1/30:0)	n.a.	n.a.	n.a.	n.a.	
			Section 12. Ecological	Informat	ion			
12.1	Toxicity	:	Section 12. Ecological Avoid release into the environment.	Informat	ion			
12.1	Toxicity							
12.1 12.2	Toxicity: Persiste		Avoid release into the environment.					
	-	nce and	Avoid release into the environment. Runoff from fire control or dilution water					
	Persiste Degrada	nce and	Avoid release into the environment. Runoff from fire control or dilution water					
12.2	Persiste Degrada	nce and bility: mulative	Avoid release into the environment. Runoff from fire control or dilution water No data available.					
12.2	Persiste Degrada Bioaccu	nce and bility: mulative I:	Avoid release into the environment. Runoff from fire control or dilution water No data available.					
12.2 12.3	Persiste Degrada Bioaccu Potentia Mobility Results	nce and bility: mulative I: in Soil: of PBT and vPvB	Avoid release into the environment. Runoff from fire control or dilution water No data available. No data available.					
12.2 12.3 12.4 12.5	Persiste Degrada Bioaccu Potentia Mobility Results assessm	nce and bility: mulative I: in Soil: of PBT and vPvB nent:	Avoid release into the environment. Runoff from fire control or dilution water No data available. No data available. No data available. No data available.					
12.2 12.3 12.4	Persiste Degrada Bioaccu Potentia Mobility Results assessm	nce and bility: mulative I: in Soil: of PBT and vPvB	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.	may cause p	ollution.			
12.2 12.3 12.4 12.5 12.6	Persiste Degrada Bioaccu Potentia Mobility Results assessm Other ad	nce and bility: mulative I: in Soil: of PBT and vPvB hent: Iverse effects:	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	may cause p	ollution.			
12.2 12.3 12.4 12.5	Persiste Degrada Bioaccu Potentia Mobility Results assessm Other ad	nce and bility: mulative I: in Soil: of PBT and vPvB nent:	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,	may cause p onsiderat and federal r	ollution. ions egulations.			
12.2 12.3 12.4 12.5 12.6	Persiste Degrada Bioaccu Potentia Mobility Results assessm Other ad	nce and bility: mulative l: in Soil: of PBT and vPvB nent: lverse effects:	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. No data available. Section 13. Disposal Co Dispose in accordance with local, state, Section 14. Transport	may cause p onsiderat and federal r	ollution. ions egulations.			
12.2 12.3 12.4 12.5 12.6 13.1 14.1	Persiste Degrada Bioaccu Potentia Mobility Results assessm Other ad	nce and bility: mulative I: in Soil: of PBT and vPvB hent: Iverse effects: isposal Method:	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. No data available. Section 13. Disposal Co Dispose in accordance with local, state, Section 14. Transport	may cause p onsiderat and federal r	ollution. ions egulations.			
12.2 12.3 12.4 12.5 12.6 13.1 14.1 D	Persiste Degrada Bioaccu Potentia Mobility Results assessm Other ad Waste D LAND T	nce and bility: mulative l: in Soil: of PBT and vPvB hent: lverse effects: isposal Method: RANSPORT (US I r Shipping Name:	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. No data available. Section 13. Disposal Co Dispose in accordance with local, state, Section 14. Transport	may cause p onsiderat and federal r	ollution. ions egulations.			
12.2 12.3 12.4 12.5 12.6 13.1 14.1 D	Persiste Degrada Bioaccu Potentia Mobility Results assessm Other ad Waste D LAND T DOT Prope	nce and bility: mulative I: in Soil: of PBT and vPvB hent: Iverse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class:	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. No data available. Section 13. Disposal Co Dispose in accordance with local, state, Section 14. Transport	may cause p onsiderat and federal r	ollution. ions egulations.			
12.2 12.3 12.4 12.5 12.6 13.1 14.1 D U	Persiste Degrada Bioaccu Potentia Mobility Results assessm Other ad Waste D LAND T DOT Prope OT Hazard	nce and bility: mulative l: in Soil: of PBT and vPvB hent: lverse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class: hber:	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. No data available. Section 13. Disposal Co Dispose in accordance with local, state, Section 14. Transport DOT): Not dangerous goods.	may cause p onsiderat and federal r	ollution. ions egulations.			
12.2 12.3 12.4 12.5 12.6 13.1 14.1 D U 14.1	Persiste Degrada Bioaccu Potentia Mobility Results assessm Other ad Waste D LAND T OT Prope OT Hazard	nce and bility: mulative l: in Soil: of PBT and vPvB nent: lverse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class: nber: RANSPORT (Euro	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. No data available. Section 13. Disposal Co Dispose in accordance with local, state, Section 14. Transport DOT): Not dangerous goods.	may cause p onsiderat and federal r	ollution. ions egulations.			
12.2 12.3 12.4 12.5 12.6 13.1 14.1 D U 14.1 A	Persiste Degrada Bioaccu Potentia Mobility Results assessm Other ad Waste D LAND T DOT Prope OT Hazard IN/NA Nun LAND T	nce and bility: mulative l: in Soil: of PBT and vPvB hent: lverse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class: hber: RANSPORT (Euro hipping Name:	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. No data available. Section 13. Disposal Co Dispose in accordance with local, state, Section 14. Transport DOT): Not dangerous goods.	may cause p onsiderat and federal r	ollution. ions egulations.			
12.2 12.3 12.4 12.5 12.6 13.1 14.1 D U 14.1 A U	Persiste Degrada Bioaccu Potentia Mobility Results assessm Other ad Waste D LAND T OT Prope OT Hazard	nce and bility: mulative l: in Soil: of PBT and vPvB nent: lverse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class: nber: RANSPORT (Euro hipping Name:	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. No data available. Section 13. Disposal Co Dispose in accordance with local, state, Section 14. Transport DOT): Not dangerous goods.	may cause p onsiderat and federal r	ollution. ions egulations.			



14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not dangerous goods.

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

Information:

Additional Transport

Section 15. Regulatory Information

CAS #	Hazardous Components (Chemical Name)		S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
871540-97-5	C30 Ceramide (d18:1/30:0)		No	No	No	
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or	State Lists		
871540-97-5	C30 Ceramide (d18:1/30:0)		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
Regulatory Info Statement:	ormation	This SDS was prepared in acco No.1272/2008.	rdance with 29 CFR	1910.1200 and Re	egulation (EC)	
		Section 16. Oth	er Informatio	n		
Revision Date:		02/13/2018				
Additional Info	rmation 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.				