

Revision: 11/01/2018 Supersedes Revision: 02/19/2015

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2015/830 and US OSHA HCS 2015								
		Section 1. Id	entification of the Substan	nce/Mixture and of t	he Company/Ur	ndertaking		
1.1	Product Product Synony	Name: ms:	90342 Heptadecanoyl Ethanola N-(2-hydroxyethyl)-hepta	decanamide;				
1.2			the substance or mixture a	-	-			
		ant identified uses:	For research use only, no	ot for human or veter	inary use.			
1.3		of the Supplier of the any Name:	e Safety Data Sheet: Cayman Chemical Comp 1180 E. Ellsworth Rd. Ann Arbor, MI 48108	any				
	Web s	ite address:	www.caymanchem.com					
	Inform	ation:	Cayman Chemical Comp	any	+1 (734	4)971-3335		
1.4	Emerge	ncy telephone numb	ber:					
	Emerg	ency Contact:	CHEMTREC Within USA		-	0)424-9300		
			CHEMTREC Outside US	A and Canada:	+1 (703	3)527-3887		
			Section 2. Haz	zards Identific	ation			
2.1	Classifi	cation of the Substa	nce or Mixture:					
2.2	Label El	ements:						
	GHS S	ignal Word:	None					
	GHS H	lazard Phrases:						
			ently available data this sub	stance or mixture is r	not classifiable ac	cording to GHS.		
		Precaution Phrases:						
	-	rases apply.						
		Response Phrases:						
	-	rases apply.						
		Storage and Disposa		Dianaaalinfarmatian				
2.2			r Storage and Section 13 for	-		niraton, tract		
<ul> <li>2.3 Adverse Human Health Material may be irritating to the mucous membranes and upper respiratory tract.</li> <li>Effects and Symptoms: May be harmful by inhalation, ingestion, or skin absorption.</li> </ul>								
	Lincoto	<i>,</i> ,	May cause eye, skin, or resp	-				
To the best of our knowledge, the toxicological properties have not been thoroughly investigation of the best of our knowledge.						been thoroughly investigated.		
	Section 3. Composition/Information on Ingredients							
CAS # / Hazardous Components (Chemical Name)/ RTECS # REACH Registration No.			Concentration	EC No./ EC Index No.	GHS Classification			
53832-59-0		Heptadecanoyl Ethanolamide		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.
		g A solid water stream may be inefficient.
	Media:	
5.2	Flammable Properties an Hazards:	idNo data available.
	nazarus:	No data available.
	Flash Pt:	No data.
	Explosive Limits:	LEL: No data. UEL: No data.
	Autoignition Pt:	No data.
5.3	•	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	Take steps to avoid release into the environment, if safe to do so.
	Precautions:	
6.3		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	Precautions To Be Taker	Neep 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:	



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8.2	Exposure Controls:						
8.2.1	Engineering Controls	Jse process enclosures, local exhaust ventilation, or other engineering controls to control airborne					
	(Ventilation etc.):	below recommended exposure limits.					
8.2.2	Personal protection equipment:						
	Eye Protection:	glasses					
	Protective Gloves: C	atible chemical-resistant gloves					
	Other Protective Clothing:Lab coat						
	Respiratory Equipment N	IIOSH approved respirator, as conditions warrant.					
	(Specify Type):						
	Work/Hygienic/Maintenan D	Do not take internally.					
		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.					
	So	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 r Hg):	nm No data.					
	Vapor Density (vs. Air = 1):	No data.					
	Specific Gravity (Water = 1)						
	Solubility in Water:	No data.					
	Solubility Notes:	~10 μg/ml in a 1:10 solution of EtOH:PBS (pH 7.2); ~4 mg/ml in EtOH; ~2.5 mg/ml in					
	oordonity Notes.	DMSO; ~2 mg/ml in DMF;					
	Octanol/Water Partition	No data.					
	Coefficient:						
	Autoignition Pt:	No data.					
	Decomposition Temperatur						
	Viscosity:	No data.					
9.2	Other Information						
5.2	Percent Volatile:	No data.					
	Molecular Formula & Weigh						
	wolecular Formula & weigh						



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	<u>  </u>  :				S	upersedes Revis	ion: 02/19/20
			Section 10. Stability a	nd Reactiv	vity		
10.1	Reactivit	iy:	No data available.				
10.2	-						
10.3	Stability	Note(s):	Stable if stored in accordance with info	ormation listed of	on the product	insert.	
Polymerization: Will occur [ ] Will not occur [ X ]							
10.4	Conditio	ns To Avoid:	No data available.				
10.5		-	<b>s</b> No data available.				
	To Avoic						
10.6	Hazardo	us osition or	No data available.				
	Byprodu						
			Section 11. Toxicologic	al Informa	ation		
11.1	Informat	ion on	The toxicological effects of this produc			udiod	
		gical Effects:	The toxicological enects of this produc	t have not beer	r thoroughly st	uuleu.	
CAS #			ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA
	32-59-0	Heptadecanoyl E		n.a.	n.a.	n.a.	n.a.
5505	52-39-0			11.a.	11.a.	11.a.	11.a.
			Section 12. Ecologica	I Informat	ion		
12.1	Toxicity:		Avoid release into the environment.				
	-		Avoid release into the environment. Runoff from fire control or dilution wate				
12.1 12.2	Persister	nce and	Avoid release into the environment.				
12.2	Persister Degrada	nce and bility:	Avoid release into the environment. Runoff from fire control or dilution wate No data available.				
	Persister Degrada Bioaccur	nce and bility: mulative	Avoid release into the environment. Runoff from fire control or dilution wate				
12.2 12.3	Persister Degrada Bioaccur Potentia	nce and bility: mulative I:	Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available.				
12.2 12.3 12.4	Persister Degrada Bioaccur Potentia Mobility	nce and bility: mulative I: in Soil:	Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available.				
12.2 12.3	Persister Degrada Bioaccur Potentia Mobility	nce and bility: mulative I: in Soil: of PBT and vPvB	Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available.				
12.2 12.3 12.4	Persister Degrada Bioaccur Potential 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 wate No data available. No data available.				
12.2 12.3 12.4 12.5	Persister Degrada Bioaccur Potential Mobility Results assessm	nce and bility: mulative I: in Soil: of PBT and vPvB tent:	Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available. No data available. No data available. No data available.	er may cause po	ollution.		
12.2 12.3 12.4 12.5	Persister Degrada Bioaccur Potential Mobility Results assessm Other ad	nce and bility: mulative I: in Soil: of PBT and vPvB tent:	Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available. No data available.	er may cause po	ollution.		
12.2 12.3 12.4 12.5 12.6	Persister Degrada Bioaccur Potential Mobility Results assessm Other ad	nce and bility: mulative I: in Soil: of PBT and vPvB tent: verse effects:	Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available. No data available. No data available. No data available. Section 13. Disposal C	er may cause po onsiderat	ollution. iONS egulations.		
12.2 12.3 12.4 12.5 12.6	Persister Degrada Bioaccur Potential Mobility Results assessm Other ad	nce and bility: mulative l: in Soil: of PBT and vPvB nent: verse effects: isposal Method:	Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available. No data available. No data available. No data available. Section 13. Disposal C Dispose in accordance with local, state Section 14. Transpor	er may cause po onsiderat	ollution. iONS egulations.		
12.2 12.3 12.4 12.5 12.6 13.1 14.1	Persister Degrada Bioaccur Potential Mobility Results assessm Other ad Waste Di	nce and bility: mulative I: in Soil: of PBT and vPvB hent: verse effects: isposal Method:	Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available. No data available. No data available. No data available. Section 13. Disposal C Dispose in accordance with local, state Section 14. Transpor	er may cause po onsiderat	ollution. iONS egulations.		
12.2 12.3 12.4 12.5 12.6 13.1 14.1	Persister Degrada Bioaccur Potential Mobility Results assessm Other ad Waste Di	nce and bility: mulative l: in Soil: of PBT and vPvB eent: verse effects: isposal Method: RANSPORT (US I r Shipping Name:	Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available. No data available. No data available. No data available. Section 13. Disposal C Dispose in accordance with local, state Section 14. Transpor	er may cause po onsiderat	ollution. iONS egulations.		
12.2 12.3 12.4 12.5 12.6 13.1 14.1	Persister Degrada Bioaccur Potential Mobility Results assessm Other ad Waste Di LAND TI	nce and bility: mulative I: in Soil: of PBT and vPvB hent: verse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class:	Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available. No data available. No data available. No data available. Section 13. Disposal C Dispose in accordance with local, state Section 14. Transpor	er may cause po onsiderat	ollution. iONS egulations.		
12.2 12.3 12.4 12.5 12.6 13.1 14.1	Persister Degrada Bioaccur Potential Mobility Results of assessm Other ad Waste Di LAND TI OT Proper OT Hazaro	nce and bility: mulative l: in Soil: of PBT and vPvB eent: verse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class: nber:	Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available. No data available. No data available. No data available. Section 13. Disposal C Dispose in accordance with local, state Section 14. Transpor	er may cause po onsiderat	ollution. iONS egulations.		
12.2 12.3 12.4 12.5 12.6 13.1 14.1 D( UI 14.1	Persister Degrada Bioaccur Potential Mobility Results assessm Other ad Waste Di LAND T OT Proper OT Hazaro N/NA Num LAND T	nce and bility: mulative l: in Soil: of PBT and vPvB eent: verse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class: nber:	Avoid release into the environment. Runoff from fire control or dilution wate No data available. No data available. No data available. No data available. No data available. No data available. Section 13. Disposal C Dispose in accordance with local, state Section 14. Transpor DOT): : Not dangerous goods.	er may cause po onsiderat	ollution. iONS egulations.		
12.2 12.3 12.4 12.5 12.6 13.1 14.1 D( UI 14.1 AI UI	Persister Degrada Bioaccur Potential Mobility Results assessm Other ad Waste Di LAND T OT Proper OT Hazaro N/NA Num LAND T	nce and bility: mulative l: in Soil: of PBT and vPvB nent: verse 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 wate No data available. No data available. No data available. No data available. No data available. Section 13. Disposal C Dispose in accordance with local, state Section 14. Transpor DOT): : Not dangerous goods.	er may cause po onsiderat	ollution. iONS egulations.		



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14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name:

e: 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)	
53832-59-0	Heptadecanoyl Ethanolamide		No	No	No	
CAS # Hazardous Con		nponents (Chemical Name) Other US EPA or State Lists		•		
53832-59-0	Heptadecanoyl Ethanolamide		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	ner Informatio	on		
Revision Date:		11/01/2018				
Additional Information About This Product:		No data available.				
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.				