

NA

SAFETY DATA SHEET Linoleoyl Ethanolamide-d4

Revision: 05/02/2017

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		accord	ling to Regulation (EC) No. 190	7/2006 as amended by	(EC) No. 1272/200	8			
		Section 1. Ide	entification of the Substar	nce/Mixture and of t	the Company/Ur	ndertaking			
.1	Product Product Synony	Name:	-	9000553 Linoleoyl Ethanolamide-d4 N-(2-hydroxyethyl-1,1,2,2-d4)-9Z,12Z-octadecadienamide;					
.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.								
1.3	Details	of the Supplier of the	e Safety Data Sheet:						
	Comp	any Name:	Cayman Chemical Comp 1180 E. Ellsworth Rd. Ann Arbor, MI 48108	bany					
	Web s	ite address:	www.caymanchem.com						
	Inform	nation:	Cayman Chemical Comp	bany	+1 (734	4)971-3335			
.4	-	ncy telephone numb gency Contact:	er: CHEMTREC Within USA CHEMTREC Outside US		-	0)424-9300 3)527-3887			
			Section 2. Ha	zards Identific	cation				
.1	Classifi	cation of the Substar	nce or Mixture:						
		Signal Word:	Danger						
	GHS Hazard Phrases: H225: Highly flammable liquid and vapor.								
		Precaution Phrases:							
	P210: Keep away from {heat/sparks/open flames/hot surfaces} No smoking.								
	P280: Wear {protective gloves/protective clothing/eye protection/face protection}.								
	GHS Response Phrases: P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.								
	GHS Storage and Disposal Phrases:								
	Please	e refer to Section 7 for	Storage and Section 13 for	Disposal information	٦.				
2.3		Adverse Human Health Material may be irritating 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.								
						been thoroughly investigated.			
			n 3. Composition		-				
		1	•	1	<u> </u>	1			
CAS RTE	#/ CS #	Hazardous Compor REACH Registration	nents (Chemical Name)/ n No.	Concentration	EC No./ EC Index No.	GHS Classification			
	-17-5 800000	Ethyl alcohol		99.9 %	200-578-6 603-002-00-5	Flam. Liq. 2: H225			
1451194-69-6 NA		Linoleoyl Ethanolamide	-d4	0.1 %	NA	No data available.			

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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 contaminate 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.						
4.2	Important Symptoms and	d May cause anemia, cough, CNS depression, drowsiness, headache, heart damage, lassitude						
	Effects, Both Acute and	(weakness, exhaustion), liver damage, narcosis, reproductive effects, teratogenic effects.						
	Delayed:							
		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	g A solid water stream may be inefficient.						
	Media:							
5.2	Flammable Properties and Can release vapors that form explosive mixtures at temperatures at or above the flashpoint.							
	Hazards:	Container explosion may occur under fire conditions.						
		Emits toxic fumes under fire conditions.						
		Sensitive to static discharge.						
		Vapors can travel to a source of ignition and flash back.						
		No data available.						
	Flash Pt:	14.00 C Method Used: Closed Cup						
	Explosive Limits:	LEL: 3.3% at 25.0 C UEL: 19% at 25.0 C						
	Autoignition Pt:	363.00 C						
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. Note: Flammable as diluted in ethanol.						
		Section 6. Accidental Release Measures						
6.1	Protective Precautions,	Avoid breathing vapors 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	Methods and Material For Contain spill and collect, as appropriate.							
	Containment and Cleaning Transfer to a chemical waste container for disposal in accordance with local regulations.							
	Up:							



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		Section 7. Ha	ndling and Storage						
7.1	Precautions To Be Taken	Avoid breathing dust/fume/g	gas/mist/vapours/spray.						
	in Handling:	Avoid prolonged or repeate	d exposure.						
		Keep away from sources of ignition.							
		Take precautionary measures against static discharge.							
7.2	Precautions To Be Taken	Keep away from heat, sparl	ks, and flame.						
	in Storing:	Keep container tightly close	ed.						
		Store in accordance with inf	formation listed on the product insert.						
	Other Precautions:	Hygroscopic.							
	Sec	tion 8. Exposure C	Controls/Personal Protection						
3.1	Exposure Parameters:								
CAS	# Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations					
64-17	7-5 Ethyl alcohol	ACGIH TLV	TLV: 1000 ppm						
		France VL	TWA: 1900 mg/m3 (1000 ppm)						
			STEL: 9500 mg/m3 (5000 ppm)						
		OSHA PELs	PEL: 8H TWA:1000 ppm (1900 mg/m3)						
		Britain EH40	TWA: 1920 mg/m3 (1000 ppm) STEL: ()						
8.2	Exposure Controls:								
8.2.1	Engineering Controls (Ventilation etc.):	Use process enclosures, loo levels below recommended	cal exhaust ventilation, or other engineering contexposure limits.	trols to control airborn					
3.2.2	Personal protection equi	pment:							
	Eye Protection:	Safety glasses							
	Protective Gloves:	Compatible chemical-resistant gloves							
	Other Protective Clothing:Lab coat								
	Respiratory Equipment NIOSH approved respirator, as conditions warrant.								
	(Specify Type):								
	ce Practices:	rk/Hygienic/Maintenan Do not take internally.Practices: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety							
		hower.							
			ash thoroughly after handling.						
		No data available.	o data available.						
	C	action 0 Physical	and Chemical Properties						
ə.1		•	•						
	Information on Basic Physical and Chemical Properties Physical States: [] Gas [X] Liquid [] Solid								
	Appearance and Odor:		A solution in ethanol						
	pH:	No data.							
	Melting Point:	No data.							
	Boiling Point:		No data.						
	Flash Pt:	14.00 C Method Used: Closed Cup							
	Evaporation Rate:	No data.							
	Flammability (solid, gas):								
	Explosive Limits:	LEL: 3.3% at 25.0 C UEL: 19% at 25.0 C							
	Vapor Pressure (vs. Air o								
	Hg):		0.00						
	Vapor Density (vs. Air = 1	I): No data.							
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	CHIMICAL								1011. 04/10/2013	
	=	Gravity (Water :	= 1):	No data.						
	Solubility in Water:			No data.						
	Octanol/Water Partition			No data.						
	Coeffici	ent:								
	Autoign	ition Pt:		363.00 C						
	Decomp	osition Tempera	ature:	No data.						
	Viscosit	y:		No data.						
9.2	Other Inf	ormation								
	Percent	Volatile:		No data.						
	Molecular Formula & Weight:			t: C20H33D4NO2 327.5						
			S	Section 10. Stabi	lity and	Reacti	vity			
10.1	Reactivi	ty:	No da	ta available.						
10.2	Stability	:	Unsta	ble [] Stable [X]						
10.3	Stability	Note(s):	Stable	e if stored in accordance	with informat	tion listed	on the product	insert.		
	Polyme	rization:	Will o	Will occur [] Will not occur [X]						
10.4	Conditio	ons To Avoid:	heat, f	flames and sparks						
10.5	Incompa	atibility - Materia	ls alkali	metals						
	To Avoi	d:	ammo	onia						
			peroxi	eroxides						
			strong	oxidizing agents						
10.6	Hazardo	ous	carbo	n monoxide						
	Decomposition or carbor			n dioxide						
	Byprodu	ucts:								
			Se	ection 11. Toxico	ological	Informa	ation			
11.1	11.1 Information on		The to	oxicological effects of this	product hav	ve not beei	n thoroughly st	udied.		
	Toxicolo	ogical Effects: Ethan		anol - Toxicity Data: Oral TDLO (man): 1.14 ml/kg; Oral TDLO (man): 650 mg/kg; Oral LD50						
			. ,	: 7,060 mg/kg; Oral LD50 (mouse): 3,450 mg/kg; Oral LD50 (mouse): 10.5 ml/kg; Oral LD50						
				bit): 6,300 mg/kg; Inhalation LC50 (rat): 20,000 ppm (10h); Inhalation TCLO (human): 1,800						
				(30m); Inhalation TCLO (human): 2,500 mg/m3 (20m); Inhalation LC50 (rat): 5,900 mg/m3						
				nhalation LCLO (mouse)					· · ·	
	Chronic Toxicological Ethan			anol - Irritation Data: Eyes (rabbit): 500 mg (24h) mild; Skin (rabbit): 20 mg (24h) moderate;						
				nanol - Investigated as a mutagen, reproductive effector, and tumorigen.						
	See a		Dnly select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here.							
			ee actual entry in RTECS for complete information. thanol RTECS Number: KQ6300000							
		i			300000					
CAS	#	Hazardous Cor	nponen	ts (Chemical Name)		NTP	IARC	ACGIH	OSHA	
64-17-5		Ethyl alcohol				n.a.	1	A4	n.a.	
1451194-69-6		Linoleoyl Ethanolamide-d		d4		n.a.	n.a.	n.a.	n.a.	
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		Section 12. Ecolo	gical Informat	ion				
2.1 Toxicity	:	Avoid release into the environm	ent.					
		Runoff from fire control or dilution	on water may cause p	ollution.				
2.2 Persiste	ence and	No data available.						
Degrada	ıradability:							
2.3 Bioaccu	Imulative	No data available.						
Potentia	al:							
2.4 Mobility	in Soil:	No data available.						
2.5 Results	of PBT and vPvB							
assessment:								
2.6 Other ac	dverse effects:	No data available.						
		Section 13. Dispos	al Considerat	ions				
3.1 Waste D	Disposal Method:	Dispose in accordance with loca	al, state, and federal r	egulations.				
		Section 14. Trans	sport Informat	ion				
I4.1 LAND T	RANSPORT (US I	DOT):						
DOT Prope	er Shipping Name:	Ethyl alcohol solution						
DOT Hazar	d Class:	3 FLAMMAB						
UN/NA Nun	nber:	1170	Packing Grou	ıp:	II			
	RANSPORT (Euro hipping Name:	opean ADR/RID): Ethyl alcohol solution						
		-						
UN Number: Hazard Class:		1170 3 - FLAMMABLE LIQUID	Packing Grou	ip:	II			
	ISS. ANSPORT (ICAO/I							
	•							
UN Numbe	Shipping Name:	Ethyl alcohol solution 1170	Packing Grou	ın:	П			
UN NUMBER: Hazard Class:		3 - FLAMMABLE LIQUID	IATA Classifi		3			
Additional Tra		Transport in accordance with lo						
nformation:	lopent	When sold in quantities of less		-	epted Quantity Code of			
		E1, E2, E4, or E5, this item mee	ets the De Minimis Qu	iantities exemption,	per IATA 2.6.10.			
		Therefore packaging does not h	have to be labeled as	Dangerous Goods/E	xcepted Quantity.			
		Section 15. Regul	latory Informat	tion				
EPA SARA (Su	perfund Amendm	nents and Reauthorization Act of	of 1986) Lists					
CAS #		ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)			
64-17-5	Ethyl alcohol		No	No	No			
1451194-69-6	Linoleoyl Ethanol	amide-d4	No	No	No			
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or §	State Lists				
64-17-5	Ethyl alcohol		CAA HAP,ODC: No Inventory; CA PRO	o; CWA NPDES: No DP.65: No); TSCA: Yes -			
451194-69-6	Linoleoyl Ethanol	amide-d4	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA					
				.,	,,,,			



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CHEMICAL						
	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. Other Information					
Revision Date:	05/02/2017					
Additional Information About This Product:	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.					

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