

KQ6300000

SAFETY DATA SHEET 10(E)-Pentadecenoic Acid

	ac	cording to Regulation (EC) No. 190	07/2006 as amended by	(EC) No. 1272/200	8				
	Section 1.	Identification of the Substan	nce/Mixture and of t	he Company/Ur	ndertaking				
.1 Produ	ct Code:	22467							
	ct Name:	10(E)-Pentadecenoic Ac							
Synon	yms:	10E-pentadecenoic acid	,						
.2 Releva	ant identified uses	of the substance or mixture a	and uses advised ag	gainst:					
Relev	Relevant identified uses: For research use only, not for human or veterinary use.								
.3 Details	Details of the Supplier of the Safety Data Sheet:								
Com	pany Name:	Cayman Chemical Comp	bany						
		1180 E. Ellsworth Rd. Ann Arbor, MI 48108							
Web	site address:	www.caymanchem.com							
	mation:	Cayman Chemical Com	bany	+1 (734	4)971-3335				
	ency telephone nu				.,				
-	rgency Contact:	CHEMTREC Within USA	and Canada:	+1 (80)	0)424-9300				
	, · · · · · · · · ·	CHEMTREC Outside US		-	3)527-3887				
		Section 2. Ha	zards Identific	ation					
2.1 Classi	fication of the Sub								
	mable Liquids, Ca								
	Elements:	legory 2							
	GHS Signal Word: Danger GHS Hazard Phrases:								
	GHS Hazard Phrases: H225: Highly flammable liquid and vapor.								
	GHS Precaution Phrases:								
P210	P210: Keep away from {heat/sparks/open flames/hot surfaces} No smoking.								
P280	P280: Wear {protective gloves/protective clothing/eye protection/face protection}.								
GHS	GHS Response Phrases:								
	P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.								
GHS	GHS Storage and Disposal Phrases:								
Pleas	se refer to Section 7	for Storage and Section 13 for	r Disposal informatior	۱.					
2.3 Adver	se Human Health	Material may be irritating to t	he mucous membran	nes and upper res	piratory tract.				
Effect	Effects and Symptoms: May be harmful by inhalation, ingestion, or skin absorption.								
		May cause eye, skin, or resp							
		To the best of our knowledge	e, the toxicological pro	operties have not	been thoroughly investigated.				
	Sec	tion 3. Composition	/Information c	on Ingredie	nts				
CAS # / RTECS #	Hazardous Com REACH Registra	ponents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	GHS Classification				
321744-58-5 NA	10(E)-Pentadeceno		1.0 %	NA NA	No data available.				
64-17-5 KO6300000	Ethyl alcohol		99.0 %	200-578-6	Flam. Liq. 2: H225				

Multi-region format

603-002-00-5



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.
In Case of Inhalation:	
	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.
Important Symptoms and Effects, Both Acute and Delayed:	May cause anemia, cough, CNS depression, drowsiness, headache, heart damage, lassitude (weakness, exhaustion), liver damage, narcosis, reproductive effects, teratogenic effects.
	Section 5. Fire Fighting Measures
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.
Flammable Properties and	dCan 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: 19.0% at 25.0 C
Autoignition Pt:	363.00 C
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. Note: Flammable as diluted in ethanol.
	Section 6. Accidental Release Measures
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).
Environmental Precautions:	Take steps to avoid release into the environment, if safe to do so.
	Contain spill and collect, as appropriate. ${f g}$ Transfer to a chemical waste container for disposal in accordance with local regulations.
	In Case of Ingestion: Important Symptoms and Effects, Both Acute and Delayed: Suitable Extinguishing Media: Unsuitable Extinguishing Media: Flammable Properties and Hazards: Flash Pt: Explosive Limits: Autoignition Pt: Fire Fighting Instructions Fire Fighting Instructions Protective Precautions, Protective Equipment and Emergency Procedures: Environmental Precautions: Methods and Material For Containment and Cleanin



Multi-region format

	NEMICAL						
	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.				
		Keep away from sources of ignition.					
		es against static discharge.					
7.2 Precautions To Be Taken Keep away from heat, sparks, and flame.							
	in Storing:	-					
			Store in accordance with information listed on the product insert.				
	Other Precautions:	Hygroscopic					
	Sec	tion 8. Exposure Co	ontrols/Personal Protection				
8.1	Exposure Parameters:						
CAS	# Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations			
64-17	-5 Ethyl alcohol	ACGIH TLV	TLV: 1000 ppm				
		France VL	STEL: 1000 ppm				
			TWA: 1900 mg/m3 (1000 ppm) STEL: 9500 mg/m3 (5000 ppm)				
		OSHA PELs	PEL: 1000 ppm				
		Britain EH40	TWA: 1920 mg/m3 (1000 ppm) STEL: ()				
8.2	Exposure Controls:						
8.2.1							
	(Ventilation etc.):	levels below recommended e	exposure limits.				
8.2.2 Personal protection equipment:							
	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):						
	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.					
	S	ection 9. Physical a	and Chemical Properties				
9.1	Information on Basic Phys	sical and Chemical Propertie	2S				
	Physical States:	[]Gas [X]Liqu	id [] Solid				
	Appearance and Odor:	A solution in ethanol					
	pH:	No data.					
	Melting Point:	No data.					
	Boiling Point:	No data.					
	Flash Pt:		sed: Closed Cup				
	Evaporation Rate:	No data.					
	Flammability (solid, gas):		No data available.				
	Explosive Limits:		25.0 C UEL: 19.0% at 25.0 C				
	Vapor Pressure (vs. Air o	ormm 43 MM_HG at 20	.0 C				
	Hg):	N NL 17					
	Vapor Density (vs. Air = 1	I): No data.					



	Specific	Gravity (Water	– 1)· N	No data.					
	Solubility in Water: Octanol/Water Partition		•	No data.					
			No data.						
	Coeffici		1						
		ition Pt:		363.00 C					
	-	nion Ft.		No data.					
	Viscosit			No data.					
		-	I	NO Gala.					
9.2		formation							
	Percent Volatile:			No data.					
	Molecul	ar Formula & We	eight: (ight: C15H28O2 240.4					
			Se	ection 10	. Stability and	d Reactiv	vity		
10.1	Reactivi	ty:	No data	available.					
10.2	Stability	' :	Unstable	e[] Sta	ble [X]				
10.3	Stability	v Note(s):	Stable if	f stored in acc	cordance with inform	ation listed o	on the product	insert.	
	Polyme	rization:	Will occ	ur[] Wi	II not occur [X]				
10.4	Conditio	ons To Avoid:	heat, fla	mes and spa	rks				
10.5	Incomp	atibility - Materia	ils alkali me	etals					
	To Avoi	d:	ammonia						
			peroxides						
			strong oxidizing agents						
10.6	Hazardo	ous	carbon dioxide						
	Decomposition or			carbon monoxide					
	Byprod	ucts:							
			Sec	ction 11.	Toxicological	Informa	ation		
11.1	Informa	tion on			cts of this product h			udied.	
	Toxicol	ogical Effects:	Ethanol - Toxicity Data: Oral TDLO (man): 1.14 ml/kg; Oral TDLO (man): 650 mg/kg; Oral LD50						
	Toxicological Ellects:		(rat): 7,060 mg/kg; Oral LD50 (mouse): 3,450 mg/kg; Oral LD50 (mouse): 10.5 ml/kg; Oral LD50						
			(rabbit): 6,300 mg/kg; Inhalation LC50 (rat): 20,000 ppm (10h); Inhalation TCLO (human): 1,800						
			ppm (30m); Inhalation TCLO (human): 2,500 mg/m3 (20m); Inhalation LC50 (rat): 5,900 mg/m3						
			(6h); Inhalation LCLO (mouse): 29,300 ppm (7h);						
	Chronic Toxicological		Ethanol - Irritation Data: Eyes (rabbit): 500 mg (24h) mild; Skin (rabbit): 20 mg (24h) moderate;						
			Ethanol - Investigated as a mutagen, reproductive effector, and tumorigen.						
	Effects:		Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here.						
		See actual entry in RTECS for complete information.							
			Ethanol RTECS Number: KQ6300000						
Carcinogenicity:		NTP? N	lo IARC	Monographs? No	OSHA Re	gulated? No			
CAS # Hazardous Com		mponents	(Chemical N	lame)	NTP	IARC	ACGIH	OSHA	
321744-58-5 10(E)-Pentadec		enoic Acid			n.a.	n.a.	n.a.	n.a.	
64	l-17-5	Ethyl alcohol			n.a.	1	A4	n.a.	
									•



Section 12. Ecological Information									
12.1	2.1 Toxicity: Avoid release into the environment.								
		Runoff from fire control or dilution water may cause pollution.							
12.2	Persiste	ence and	No data available.						
	Degrada	-							
12.3		Imulative	No data available.	No data available.					
	Potentia								
12.4	Mobility		No data available.						
12.5	Results		No data available.						
12.6		dverse effects:	No data available.						
12.0	Other at								
			Section 13. Dispos						
13.1	Waste D)isposal Method:			-				
			Section 14. Trans	sport Informat	ion				
14.1		RANSPORT (US I							
	-	er Shipping Name:	•						
	OT Hazar		3 FLAMMABLE LIQUID						
U	N/NA Nur	nber:	1170	Packing Grou	ıp:	II			
14.1	ΙΔΝΟΤ	RANSPORT (Fur							
		RANSPORT (Euro							
ADR/RID Shipping Name: UN Number:			Ethyl Alcohol Solution 1170	Packing Grou	ın:	II			
Hazard Class:			3 - FLAMMABLE LIQUID		·Ρ.				
		ANSPORT (ICAO/I	ATA):						
		Shipping Name:	, Ethyl Alcohol Solution						
UN Number:		r:	1170	Packing Group:		II			
Hazard Class:		ISS:	3 - FLAMMABLE LIQUID	IATA Classifi	cation:	3			
	Additional TransportTransport in accordance with local, state, and federal regulations.Information:When sold in quantities of less than or equal to 1 mL, or 1 g, with an Excepted Quantity Code oE1, E2, E4, or E5, this item meets the De Minimis Quantities exemption, per IATA 2.6.10.Therefore packaging does not have to be labeled as Dangerous Goods/Excepted Quantity.								
Section 15. Regulatory Information									
EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists									
CAS #	-	1	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)			
	44-58-5	10(E)-Pentadece	· · · ·	No	No	No			
64	-17-5	Ethyl alcohol		No	No	No			
CAS #	¥	Hazardous Components (Chemical Name) Other US EPA or State Lists			· State Lists	•			
	, 44-58-5	10(E)-Pentadecenoic Acid		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No					
64	-17-5	Ethyl alcohol		CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -					
						Multi-ragion forms			
						Multi-region format			



Revision: 01/15/2018

Page: 6 of 6

1

			Inventory; CA PROP.65: No		
Regulatory Info	ormation	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC)			
Statement:					
	Section 16. Other Information				
Revision Date:		01/15/2018			
Additional Information About This Product:		No data available.			
This Product:	y or Disclaimer:	DISCLAIMER: This information i currently available to us. Howeve express or implied, with respect	s believed to be accurate and represents the best information er, we make no warranty of merchantability or any other warranty, to such information, and we assume no liability resulting from its wn investigations to determine the suitability of the information for		