

KQ6300000

01-2119457610-43

SAFETY DATA SHEET (±)19(20)-EpDTE

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			to Regulation (EC) No. 1907/2006 as a	-						
		Section 1. Id	dentification of the Substan	nce/Mixture and of	the Company/U	ndertaking				
1.1	Product	Code:	20331							
	Product	Name:	(±)19(20)-EpDTE							
	Synony	ms:	18-(3-ethyl-2-oxiranyl)-7	Z,10Z,13Z,16Z-octac	decatetraenoic aci	id; (±)19(20)-EpDoTE;				
1.2	Relevant identified uses of the substance or mixture and uses advised against:									
	Releva	ant identified uses:	For research use only, n	ot for human or veter	rinary use.					
1.3	Details of the Supplier of the Safety Data Sheet:									
	Company Name: Cayman Chemical Company									
			1180 E. Ellsworth Rd.							
			Ann Arbor, MI 48108							
		ite address:	www.caymanchem.com							
	Inform		Cayman Chemical Com	bany	+1 (734	4)971-3335				
1.4	-	ncy telephone num								
	Emerg	gency Contact:	CHEMTREC Within USA		-	0)424-9300				
			CHEMTREC Outside US	SA and Canada:	+1 (70	3)527-3887				
			Section 2. Ha	zards Identific	cation					
2.1	Classifi	cation of the Subst	ance or Mixture:							
	Flammable Liquids, Category 2									
2.2	Label E	lements:								
	GHS Signal Word: Danger GHS Hazard 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 refer to Section 7 for Storage and Section 13 for Disposal information.									
• •			-			niroton, troat				
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.									
						t been thoroughly investigated				
			_							
		Secti	on 3. Compositior	iniormation (on ingreale	niis 				
CAS RTE	6 # / CS #	Hazardous Compo REACH Registrati	onents (Chemical Name)/ on No.	Concentration	EC No./ EC Index No.	GHS Classification				
1359 NA	721-83-7	(±)19(20)-EpDTE		0.1 %	NA NA	No data available.				
64	4-17-5	Ethyl alcohol		99.9 %	200-578-6	Flam. Liq. 2: H225				
KO6300000		01 2110457610 42		1		1				

603-002-00-5

Multi-region format



Multi-region format

Description of First Aid Measures: In Case of Inhalation: In Case of Skin Contact:	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.					
In Case of Inhalation:	Get immediate medical attention.					
	Get immediate medical attention.					
In Case of Skin Contact:	Increased in the second s					
	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.					
Effects, Both Acute and	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.					
•••	Use water spray to cool fire-exposed containers.					
Unsuitable Extinguishing	A solid water stream may be inefficient.					
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: 19.0% at 25.0 C					
-	363.00 C					
-	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					
	Avoid breathing vapors and provide adequate ventilation. A As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).					
Environmental	Take steps to avoid release into the environment, if safe to do so.					
Methods and Material For	$^{\rm r}$ Contain spill and collect, as appropriate. gTransfer to a chemical waste container for disposal in accordance with local regulations.					
	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 Cleaning					



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Lay	ШСП					
		Sec	tion 7. Hand	ling and Storage	!	
7.1	Precautions To Be Taker in Handling:	autions To Be Taken Avoid breathing dust/fume/gas/mist/vapours/spray.				
7.2	Precautions To Be Taker in Storing:	Take precautionary measures against static discharge. Taken Keep away from heat, sparks, and flame. Keep container tightly closed. Store in accordance with information listed on the product insert.				
	Other Precautions:	Hygroscopic	2			
	Sec	tion 8. E	xposure Con	trols/Personal P	rotection	
8.1	Exposure Parameters:					
CAS	# Chemical Name	Juris	sdiction	Recommended Expos	ure Limits	Notations
64-17	7-5 Ethyl alcohol	ACG	IH TLV	TLV: 1000 ppm STEL: 1000 ppm		
		Fran	ce VL	TWA: 1900 mg/m3 (1000 p STEL: 9500 mg/m3 (5000		
		OSH	IA PELs	PEL: 1000 ppm		
		Brita	in EH40	TWA: 1920 mg/m3 (1000 p STEL: ()	opm)	
8.2.1 Engineering Controls (Ventilation etc.): Use process enclosures, local exhaust ventilation, or other engineering controls to levels below recommended 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 Work/Hygienic/Maintenan Do not take internally. ce Practices: Facilities storing or utilizing this material should be equipped with an eyewash and Wash thoroughly after handling. No data available. No data available.						
	S	Section 9.	Physical an	d Chemical Prop	perties	
9.1	Information on Basic Phy Physical States: Appearance and Odor: pH: Melting Point: Boiling Point: Flash Pt: Evaporation Rate: Flammability (solid, gas) Explosive Limits: Vapor Pressure (vs. Air of Hg): Vapor Density (vs. Air =	[](A so No d No d 14.0 No d : No d LEL: or mm 43	Gas [X] Liquid Iution in ethanol Iata. Iata. 0 C Method Used: Iata. Iata available. : 3.3% at 25 MM_HG at 20.0 C	.0 C UEL: 19.0%	at 25.0 C	
	Vapor Density (vs. Air =	1): No d	lata.			

Multi-region format



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	Specific	Gravity (Water =	= 1):	No data.					
	Solubilit	y in Water:		No data.					
	Octanol/	Water Partition		No data.					
	Coefficie	ent:							
	Autoigni	ition Pt:		363.00 C					
	Decomp	osition Tempera	ature:	No data.					
	Viscosit	y:		No data.					
9.2	Other Inf	ormation							
	Percent	Volatile:		No data.					
	Molecula	ar Formula & We	eight:	C22H34O3	346.5				
			S	ection 10	. Stability	and Reacti	vity		
10.1	Reactivi	ty:	No dat	a available.	-		•		
10.2	Stability	-	Unstab	ole [] Sta	ble [X]				
10.3	-	Note(s):				information listed	on the product	insert.	
	Polymer	ization:	Will oc	cur[] Wi	ill not occur [)	X]			
10.4	Conditio	ons To Avoid:	heat, fl	ames, and spa	arks				
10.5	Incompa	tibility - Materia		-					
	To Avoid	d:	ammor	nia					
			peroxic	des					
			strong	oxidizing agen	its				
10.6	Hazardo	us	carbon	rbon dioxide					
	Decomp	osition or	carbon	monoxide					
	Byprodu	icts:							
			Se	ction 11.	Toxicolo	gical Informa	ation		
11.1	Informat	ion on	The to	xicological effe	cts of this pro	duct have not bee	n thoroughly s	tudied.	
	Toxicological Effects: Ethar			anol - Toxicity Data: Oral TDLO (man): 1.14 ml/kg; Oral TDLO (man): 650 mg/kg; Oral LD50					
						use): 3,450 mg/kg;		-	-
						C50 (rat): 20,000 p			
						an): 2,500 mg/m3	(20m); Inhalati	on LC50 (rat):	5,900 mg/m3
			· /·		, , ,	,300 ppm (7h);	anilah Olain (nah	h:(), 00 (0.4	h)
	Chronic ToxicologicalEthanEffects:and tuOnly sSee au			Ethanol - Irritation Data: Eyes (rabbit): 500 mg (24h) mild; Skin (rabbit): 20 mg (24h) moderate; Ethanol - Investigated as a drug, mutagen, natural product, primary irritant, reproductive effector, and tumorigen.					
				Dnly select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here.					
				See actual entry in RTECS for complete information.					
				thanol RTECS Number: KQ6300000					
Carciı	nogenicity	/:	NTP? I		Monographs?		egulated? No		
CAS # Hazardo		Hazardous Cor	nponents	s (Chemical N	lame)	NTP	IARC	ACGIH	OSHA
	721-83-7	(±)19(20)-EpDT	E			n.a.	n.a.	n.a.	n.a.
13597	121-03-1								



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Section 12. Ecological Information								
12.1 Toxicity	<i>/</i> :	Avoid release into the environme	ent.					
		Runoff from fire control or dilution water may cause pollution.						
12.2 Persiste	ence and							
-	gradability:							
	umulative	No data available.						
Potentia		NI 17 111						
	in Soil:	No data available.						
12.5 Results assessr		No data available.						
12.6 Other a	dverse effects:	No data available.						
		Section 13. Dispos	al Considerat	ions				
13.1 Waste D	Disposal Method:	Dispose in accordance with loca	I, state, and federal r	egulations.				
		Section 14. Trans	sport Informat	ion				
14.1 LAND 1	FRANSPORT (US I	DOT):						
DOT Prope	er Shipping Name:	Ethyl Alcohol Solution						
DOT Hazaı		3 FLAMMABLE LIQUID						
UN/NA Nui	mber:	UN1170	Packing Grou	ip:	Ш			
	FLEMMERE LIQUID 3							
	FRANSPORT (Euro							
	Shipping Name:	Ethyl Alcohol Solution	Dealing Ora					
UN Numbe		1170 3 - ELAMMABLE LIQUID	Packing Grou	ib:	II			
Hazard Class: 3 - FLAMMABLE LIQUID 14.3 AIR TRANSPORT (ICAO/IATA):								
	Shipping Name:	Ethyl Alcohol Solution						
UN Number:		1170	Packing Grou	ıp:	Ш			
Hazard Class:		3 - FLAMMABLE LIQUID	IATA Classifi	cation:	3			
Additional Tra Information:	nsport	Transport in accordance with local, state, and federal regulations. When sold in quantities of less than or equal to 1 mL, or 1 g, with an Excepted Quantity Code of E1, 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. Regul	atory Informat	tion				
-	1	ents and Reauthorization Act o	-		1			
CAS #		ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)			
1359721-83-7	(±)19(20)-EpDTE		No	No	No			
64-17-5	Ethyl alcohol		No	No	No			
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or S					
1359721-83-7	(±)19(20)-EpDTE		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-region forma			



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Inventory; 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. Other Information						
Revision Date: 11/09/2018						
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.					