

KQ6300000

01-2119457610-43

SAFETY DATA SHEET 4(Z),7(Z),10(Z)-Tridecatrienoic Acid-d5

Revision: 05/06/2019 Supersedes Revision: 03/28/2014

C 10			amandad ka (EO) No. 0015/2		Supersedes Revision: 03/28/2014				
		ing to Regulation (EC) No. 1907/2006 as	_						
	Section 1.	Identification of the Substa	nce/IVIIxture and of	the Company/Ur	ndertaking				
	Product Code:	14895							
-	Product Name:	4(Z),7(Z),10(Z)-Tridecat							
ę	Synonyms:	(4Z,7Z,10Z)-trideca-4,7,	10-trienoic-12,12',13,	13,13-d5 acid;					
.2 F	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 [Details of the Supplier of the Safety Data Sheet:								
	Company Name: Cayman Chemical Company								
		1180 E. Ellsworth Rd.							
	Web site address:	Ann Arbor, MI 48108							
	Information:	www.caymanchem.com Cayman Chemical Com		±1 (73)	4)971-3335				
		-	pany	+1 (73	4)971-3335				
.4 E	Emergency telephone nu		A and Canada	1 (90)	0)424 0200				
	Emergency Contact:	CHEMTREC Within US CHEMTREC Outside U			0)424-9300 3)527-3887				
				•	0,021 0001				
		Section 2. Ha	izards Identific	cation					
.1 (Classification of the Sub	stance or Mixture:							
	Flammable Liquids, Ca	tegory 2							
.2 L	Label Elements:								
	GHS Signal Word:	Danger							
	GHS Hazard Phrases:								
	H225: Highly flammable liquid and vapor.								
	GHS 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 refer to Section 7 for Storage and Section 13 for Disposal information.								
2.3	Adverse Human Health	-	-		spiratory tract.				
	Adverse Human HealthMaterial 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 res	-	-					
		To the best of our knowledg	e, the toxicological pr	operties have not	t been thoroughly investigated				
	Sec	tion 3. Composition	n/Information	on Ingredie	nts				
CAS #	1	ponents (Chemical Name)/	Concentration	EC No./	GHS Classification				
RTECS				EC Index No.					
NA NA	4(Z),7(Z),10(Z)-Trid	ecatrienoic Acid-d5	0.05 %	NA NA	No data available.				
64-1 [°] KO6300			99.95 %	200-578-6	Flam. Liq. 2: H225				

Multi-region format

603-002-00-5



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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. 4.2 Important Symptoms and May cause anemia, cough, CNS depression, drowsiness, headache, heart damage, lassitude (weakness, exhaustion), liver damage, narcosis, reproductive effects, teratogenic effects. Effects, Both Acute and **Delayed:** Section 5. Fire Fighting Measures 5.1 Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Suitable Extinguishing Use water spray to cool fire-exposed containers. Media: Unsuitable Extinguishing 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. Container explosion may occur under fire conditions. Hazards: 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 LEL: 3.3% at 25.0 C at 25.0 C UEL: 19.0% **Explosive Limits:** 363.00 C **Autoignition Pt:** 5.3 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 6.1 **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, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves). **Emergency Procedures:** 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. Handling and Storage 7.1 Precautions To Be Taken Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid prolonged or repeated exposure. in Handling: Keep away from sources of ignition. Take precautionary measures against static discharge. 7.2 Precautions To Be Taken Keep away from heat, sparks, and flame. Keep container tightly closed. in Storing: Store in accordance with information listed on the product insert. **Other Precautions:** Hygroscopic Section 8. Exposure Controls/Personal Protection 8.1 **Exposure Parameters:** CAS # Jurisdiction **Chemical Name Recommended Exposure Limits** Notations ACGIH TLV 64-17-5 Ethyl alcohol TLV: 1000 ppm France VI 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 Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. (Ventilation etc.): 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. Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower. ce Practices: Wash thoroughly after handling. No data available. Section 9. Physical and Chemical Properties 9.1 Information on Basic Physical and Chemical Properties **Physical States:** [] Solid []Gas [X] Liquid A solution in ethanol Appearance and Odor: 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): No data available. at 25.0 C **Explosive Limits:** LEL: 3.3% at 25.0 C UEL: 19.0% 43 MM_HG at 20.0 C Vapor Pressure (vs. Air or mm Hg): Vapor Density (vs. Air = 1): No data.

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	ENTMICAL					0		1011. 03/20/2014	
	-	c Gravity (Water :		data.					
		ity in Water:		data.					
		I/Water Partition	No	data.					
	Coeffic	ient:							
	-	nition Pt:		.00 C					
		position Tempera		data.					
	Viscosi	ty:	No	data.					
9.2	Other In	formation							
	Percent Volatile:			No data.					
	Molecular Formula & Weight:			C13H15D5O2 213.3					
			Sect	ion 10. Stability	/ and Reactiv	vity			
10.1	Reactiv	'ity:	No data ava	ailable.					
10.2	Stabilit	y:	Unstable [] Stable [X]					
10.3	Stabilit	y Note(s):	Stable if sto	ored in accordance with	information listed of	on the product	insert.		
	Polyme	rization:	Will occur [ccur [] Will not occur [X]					
10.4	Conditi	ons To Avoid:	heat, flame	s, and sparks					
10.5	Incomp	atibility - Materia	Is alkali metal	s					
	Το Ανο	id:	ammonia						
			peroxides	peroxides					
			strong oxidi	ng oxidizing agents					
10.6	Hazard	ous	carbon diox	kide					
	Decomposition or carbo			arbon monoxide					
	Byprod	ucts:							
			Section	on 11. Toxicolo	gical Informa	ation			
11.1	Informa	ation on	The toxicol	ogical effects of this pro	duct have not beer	thoroughly st	udied.		
	Toxicological Effects:		Ethanol - Toxicity Data: Oral TDLO (man): 1.14 ml/kg; Oral TDLO (man): 650 mg/kg; Oral LD50						
			(rat): 7,060 mg/kg; Oral LD50 (mouse): 3,450 mg/kg; Oral LD50 (mouse): 10.5 ml/kg; Oral LD50						
				bbit): 6,300 mg/kg; Inhalation LC50 (rat): 20,000 ppm (10h); Inhalation TCLO (human): 1,800					
				m (30m); Inhalation TCLO (human): 2,500 mg/m3 (20m); Inhalation LC50 (rat): 5,900 mg/m3					
			(),); Inhalation LCLO (mouse): 29,300 ppm (7h);					
				nanol - Irritation Data: Eyes (rabbit): 500 mg (24h) mild; Skin (rabbit): 20 mg (24h) moderate;					
	-			anol - Investigated as a drug, mutagen, natural product, primary irritant, reproductive effector, tumorigen					
	Onlys			ly select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here.					
				ee actual entry in RTECS for complete information.					
				Ethanol RTECS Number: KQ6300000					
Carci	nogenici	ty:	NTP? No	IARC Monographs?		gulated? No			
CAS	#	Hazardous Cor	nponents (Cł	nemical Name)	NTP	IARC	ACGIH	OSHA	
NA 4(Z),7(Z),10(Z)-Tridec		Tridecatrienoi	c Acid-d5	n.a.	n.a.	n.a.	n.a.		
64-17-5 Ethyl alcohol				n.a.	1	A4	n.a.		
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			Castian 10 Facto		i e re		
Section 12. Ecological Information							
12.1	12.1 Toxicity: Avoid release into the environment.						
			Runoff from fire control or dilution water may cause pollution.				
12.2	Persiste	nce and	No data available.				
	Degrada	ıbility:					
12.3	Bioaccu	mulative	No data available.				
	Potentia	ıl:					
12.4	Mobility	in Soil:	No data available.				
12.5	Results	of PBT and vPvB	No data available.				
	assessn	nent:					
12.6	Other ac	lverse effects:	No data available.				
			Section 13. Dispos	sal Considerat	ions		
13.1	Waste D	isposal Method:	Dispose in accordance with loc	al, state, and federal r	egulations.		
			Section 14. Tran	sport Informat	ion		
14.1	LAND T	RANSPORT (US I	DOT):				
D	OT Prope	r Shipping Name:	Ethyl Alcohol Solution				
D	OT Hazar	d Class:	3 FLAMMAB	LE LIQUID			
U	N/NA Nur	nber:	UN1170	Packing Group:			
U	ADR/RID Shipping Name:Ethyl Alcohol SolutionUN Number:1170Packing Group:Hazard Class:3 - FLAMMABLE LIQUID						
IC	CAO/IATA	Shipping Name:	Ethyl Alcohol Solution				
UN Number:			1170	Packing Grou		II	
	azard Cla		3 - FLAMMABLE LIQUID	IATA Classifi		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 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. Regulatory Information							
EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists							
CAS	#	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
	NA	4(Z),7(Z),10(Z)-T	ridecatrienoic Acid-d5	No	No	No	
64	-17-5	Ethyl alcohol		No	No	No	
CAS	#	Hazardous Components (Chemical Name) Other US EPA or State Lists					
	NA	4(Z),7(Z),10(Z)-T	ridecatrienoic Acid-d5	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
64	-17-5	Ethyl alcohol		CAA HAP,ODC: N	o; CWA NPDES: No	; TSCA: Yes -	
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Cayman			Supersedes Revision: 03/28/2014		
		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. Oth	ner Information			
Revision Date:	05/06/2019				
Additional Information About This Product:	No data available.				
Company Policy or Disclaimer:	currently available to us. Howev express or implied, with respect	believed to be accurate and represents the best information , we make no warranty of merchantability or any other warranty, such information, and we assume no liability resulting from its n investigations to determine the suitability of the information for			