

KQ6300000

01-2119457610-43

### **SAFETY DATA SHEET** 11-trans Leukotriene C4

Revision: 06/19/2019 Supersedes Revision: 04/25/2019

CHIMIC					Supersedes Revision. 04/25/2019				
	according	to Regulation (EC) No. 1907/2006 as a	mended by (EC) No. 2015/8	30 and US OSHA HCS	2015				
	Section 1. I	dentification of the Substar	nce/Mixture and of t	he Company/Ur	ndertaking				
.1 Prod	uct Code:	20230							
Prod	uct Name:	11-trans Leukotriene C4							
Syno	nyms:	5S-hydroxy-6R-(S-glutat	hionyl)-7E,9E,11E,14	Z-eicosatetraeno	ic acid; 11-trans LTC4;				
.2 Relev	ant identified uses of	the substance or mixture a	and uses advised ac	ainst:					
	evant identified uses:								
.3 Detai	Details of the Supplier of the Safety Data Sheet:								
Cor	Company Name: Cayman Chemical Company								
		1180 E. Ellsworth Rd.							
		Ann Arbor, MI 48108							
We	b site address:	www.caymanchem.com							
Info	ormation:	Cayman Chemical Comp	bany	+1 (734	4)971-3335				
.4 Emer	gency telephone num	ber:							
Em	ergency Contact:	CHEMTREC Within USA	and Canada:	+1 (80	0)424-9300				
		CHEMTREC Outside US	A and Canada:	+1 (703	3)527-3887				
		Section 2. Ha	zards Identific	ation					
.1 Class	sification of the Subst	ance or Mixture:							
Fla	mmable Liquids, Cate	gory 2							
2.2 Labe	I Elements:								
	S 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.								
	erse Human Health	-	-		piratory 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.								
Enco	May cause eye, skin, or respiratory system irritation.								
		· · · ·			been thoroughly investigated.				
	Secti	on 3. Composition	/Information c	on Ingredier	nts				
CAS#/		onents (Chemical Name)/	Concentration	EC No./	GHS Classification				
RTECS #	REACH Registrati			EC Index No.					
74841-69-3	11-trans Leukotriene	C4	0.01 %	NA	No data available.				
NA				NA					
64-17-5 KO6300000	Ethyl alcohol		99.99 %	200-578-6	Flam. Liq. 2: H225				

Multi-region format

603-002-00-5



		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.					
12	Important Symptoms and	-					
4.2	Effects, Both Acute and	d May cause anemia, cough, CNS depression, drowsiness, headache, heart damage, lassitude (weakness, exhaustion), liver damage, narcosis, reproductive effects, teratogenic effects.					
	Delayed:						
	Dolayou.						
		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	-	ndCan release vapors that form explosive mixtures at temperatures at or above the flashpoint.					
1	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					
5.3	-	<b>s</b> : As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or					
0.0		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.					
		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 Fo	r Contain spill and collect, as appropriate.					
	Containment and Cleaning Transfer to a chemical waste container for disposal in accordance with local regulations.						
	Up:						



ay				Sup	ersedes Revision: 04/25/2019			
		ç	Section 7. Handl	ing and Storage				
7.1 Precautions To Be Taken Avoid breathing dust/fume/gas/mist/vapours/spray.								
	in Handling:		prolonged or repeated exp					
	in nananiy.	-	away from sources of igniti					
		Take precautionary measures against static discharge.						
7.2	Precautions To Be Taken	Keep away from heat, sparks, and flame.						
	in Storing:	Keep container tightly closed.						
	in otoring.	•		tion listed on the product insert.				
	Other Precautions:	Hygros						
	other r recations.		ensitive					
		-						
	Sect	ion 8	. Exposure Cont	trols/Personal Protectior	ו			
8.1	Exposure Parameters:			1	1			
CAS	# Chemical Name		Jurisdiction	Recommended Exposure Limits	Notations			
64-17	-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: 1000 ppm				
			Britain EH40	TWA: 1920 mg/m3 (1000 ppm) STEL: ()				
3.2	Exposure Controls:							
	-	l leo nr	ocess enclosures, local ex	vhaust ventilation or other engineerin	a controls to control airborr			
<ul> <li>B.2.1 Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to control</li> <li>(Ventilation etc.): levels below recommended exposure limits.</li> </ul>								
	(Ventilation etc.):			oure minto.				
8.2.2	Personal protection equip		deese					
	Eye Protection:	Safety glasses						
	Protective Gloves:	Compatible chemical-resistant gloves						
	Other Protective Clothing							
	Respiratory Equipment	NIOSH	l approved respirator, as c	conditions warrant.				
	(Specify Type):							
	Work/Hygienic/Maintenan		-					
	ce Practices:	Facilities storing or utilizing this material should be equipped with an eyewash and a safety s						
		Wash thoroughly after handling.						
		No dat	a available.					
	S	ectior	n 9. Physical and	d Chemical Properties				
.1	Information on Basic Phys	sical an	d 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):		No data available.					
	Explosive Limits:		LEL: 3.3% at 25.0	0 C UEL: 19.0% at 25.0	С			
	Vapor Pressure (vs. Air o	r mm	43 MM_HG at 20.0 C					
	Hg):							
	Vapor Density (vs. Air = 1	):	No data.					



Page: 4 of 6

	CHEMICAL						3	uperseues Revis	001. 04/25/2019	
	Specifie	c Gravity (Water	= 1):	No data.						
	Solubili	ity in Water:	I	No data.						
	Octano	I/Water Partition	I	No data.						
	Coeffic	ient:								
	Autoigr	nition Pt:	:	363.00 C						
	Decom	position Tempera	ature:	No data.						
	Viscosi	ty:	I	No data.						
9.2	Other In	formation								
	Percent	t Volatile:		No data.						
	Molecu	lar Formula & We	eight:	C30H47N3O	9S 625.8					
			Se	ection 10	). Stability ar	nd Reacti	vity			
10.1	Reactiv	ity:	No data	a available.						
10.2	Stability	y:	Unstabl	le [ ] Sta	able [ X ]					
10.3	Stability	y Note(s):	Stable i	if stored in ac	cordance with info	mation listed	on the product	insert.		
	Polyme	rization:	Will occ	cur[] W	/ill not occur [ X ]					
10.4	Conditi	ons To Avoid:	heat, fla	ames, and sp	arks					
			light sensitive							
10.5	Incomp	atibility - Materia	ı <b>ls</b> alkali m	netals						
	To Avo	id:	ammonia							
			peroxide	es						
			strong c	strong oxidizing agents carbon dioxide						
10.6	Hazard	ous	carbon							
	Decomposition or carbo			carbon monoxide						
	Byprod	ucts:								
			Sec	ction 11.	Toxicologic	al Informa	ation			
11.1	Informa	tion on	The tox	cicological eff	ects of this product	have not bee	n thoroughly s	udied.		
	Toxicological Effects:		Ethanol - Toxicity Data: Oral TDLO (man): 1.14 ml/kg; Oral TDLO (man): 650 mg/kg; Oral LD50							
			(rat): 7,0	060 mg/kg; C	Dral LD50 (mouse):	3,450 mg/kg;	Oral LD50 (m	ouse): 10.5 ml/	kg; Oral LD50	
			(rabbit):	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);							
				Ethanol - Irritation Data: Eyes (rabbit): 500 mg (24h) mild; Skin (rabbit): 20 mg (24h) moderate;						
		Chronic Toxicological		Ethanol - Investigated as a drug, mutagen, natural product, primary irritantm, reproductive effector, and tumorigen.						
	Effects	:		•	of Toxio Effects of	Chamical Suk	otonoco (DTC	CC) data ia pro	contod horo	
			•	• •	of Toxic Effects of RTECS for complete		ostances (RTE	CS) data is pre	esented here.	
Carcinogenicity:				-	•					
		· · ·	Ethanol RTECS Number: KQ6300000 NTP? No IARC Monographs? No OSHA Regulated? No							
CAS		Hazardous Co			•	NTP	IARC	ACGIH	OSHA	
	<b>#</b> 41-69-3	11-trans Leukot	-			n.a.	n.a.	n.a.	n.a.	
	41-09-3 I-17-5									
- 64	н т <i>т</i> то	Ethyl alcohol				n.a.	1	A4	n.a.	

Multi-region format



					0400.0			
			Section 12. Ecolo	gical Informa	tion			
12.1								
			Runoff from fire control or dilution water may cause pollution.					
12.2	Persiste	ence and	No data available.					
	Degrada	dability:						
12.3	Bioaccu	Imulative	No data available.					
	Potentia	al:						
12.4	Mobility	in Soil:	No data available.					
12.5			No data available.					
	assessr							
12.6	.6 Other adverse effects: No data available.							
			Section 13. Dispos					
13.1	Waste D	isposal Method:	Dispose in accordance with loca	al, state, and federal	regulations.			
			Section 14. Tran	sport Informa	tion			
14.1	LAND T	RANSPORT (US I	DOT):					
D	OT Prope	er Shipping Name:	Ethyl Alcohol Solution					
	OT Hazar			LE LIQUID				
U	N/NA Nur	nber:	UN1170	Packing Gro	up:	II		
14.1	LAND T	RANSPORT (Euro	opean ADR/RID):					
A	DR/RID S	hipping Name:	Ethyl Alcohol Solution					
UN Number:			1170	Packing Gro	up:	II		
Hazard Class:			3 - FLAMMABLE LIQUID					
14.3	AIR TR	ANSPORT (ICAO/	IATA):					
l ic	CAO/IATA	Shipping Name:	Ethyl Alcohol Solution					
UN Number:			1170	Packing Group:		II		
	azard Cla		3 - FLAMMABLE LIQUID IATA Classification: 3			3		
	tional Tra mation:	nsport	Transport in accordance with lo When sold in quantities of less		•	cented Quantity Code of		
	mation.		E1, E2, E4, or E5, this item me	-	-			
	Therefore packaging does not have to be labeled as Dangerous Goods/Excepted Quantity.							
			Section 15. Regu	latory Informa	ition			
EPA	SARA (Sı	perfund Amendm	nents and Reauthorization Act	of 1986) Lists				
CAS	#	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)		
7484	41-69-3	11-trans Leukotri	ene C4	No	No	No		
64	-17-5	Ethyl alcohol		No	No	No		
CAS	#	Hazardous Com	ponents (Chemical Name)	Other US EPA or	State Lists	· · · · · · · · · · · · · · · · · · ·		
7484	41-69-3	11-trans Leukotri	ene C4	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No				
64	64-17-5 Ethyl alcohol			CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -				
						Multi-region format		



Page: 6 of 6

	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:	06/19/2019
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.