

	acco	ording to Regulation (EC) No. 1907/2006 as amended by (E	iC) No. 1272/2008					
	Section 1. I	dentification of the Substance/Mixture and of the	e Company/Undertaking					
1.1	Product Code: Product Name: Synonyms:	9001815 Resolvin D1 methyl ester 7S,8R,17S-trihydroxy-4Z,9E,11E,13Z,15E,19Z-0 17(S)-Resolvin D1 methyl ester; RvD1 methyl es						
1.2	Relevant identified uses of	the substance or mixture and uses advised agai	inst:					
	Relevant identified uses:	For research use only, not for human or veterina	ary use.					
1.3	Details of the Supplier of t	he Safety Data Sheet:						
	Company Name:	Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108						
	Web site address:	www.caymanchem.com						
	Information:	Cayman Chemical Company	+1 (734)971-3335					
1.4	Emergency telephone nun Emergency Contact:	ber: CHEMTREC Within USA and Canada: CHEMTREC Outside USA and Canada:	+1 (800)424-9300 +1 (703)527-3887					
		Section 2. Hazards Identifica	tion					
	GHS Signal Word:	Danger						
	GHS Hazard Phrases:	Danger						
	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:							
		or Storage and Section 13 for Disposal information.						
2.3	Adverse Human Health Effects and Symptoms:	Material may be irritating to the mucous membranes May be harmful by inhalation, ingestion, or skin abso						
	Enects and Symptoms.	May cause eye, skin, or respiratory system irritation.						
		To the best of our knowledge, the toxicological prop						



RIE		us Components (Chemical Name Registration No.	e)/ Concentration	EC No./ EC Index No.	GHS Classification No data available.				
9377 NA	38-63-1 Resolvin I	D1 methyl ester	0.01 %	NA NA					
	-17-5 Ethyl alco	hol	99.99 %	200-578-6 603-002-00-5	Flam. Liq. 2: H225				
	·		•	·	•				
		Section 4.	First Aid Meas	sures					
l.1	Description of First Aid								
	Measures:								
	In Case of Inhala	tion: Remove to fresh air. If no Get immediate medical a		al respiration or giv	ve oxygen by trained personne				
	In Case of Skin (Contact: Immediately wash skin w clothing. Get medical atte			5 minutes. Remove contamina efore reuse.				
	In Case of Eye C	contact: Hold eyelids apart and flu and tested by medical pe		water for at least 1	5 minutes. Have eyes examine				
	In Case of Inges	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							
4.2	Important Symp	medical personnel. Important Symptoms and May cause anemia, cough, CNS depression, drowsiness, headache, heart damage, lassitude							
+.2	Effects, Both Ac		-		-				
	Delayed:								
		Section 5. F	ire Fighting Me	asures					
5.1	Suitable Extingu	-			spray.				
	Media:								
		guishing A solid water stream may	y be inefficient.						
5.2	Media: Elammable Prop	erties andCan release vapors that	form explosive mixture	s at temperatures :	at or above the flashnoint				
	Hazards:	Container explosion may	•	•					
		Emits toxic fumes under							
		Sensitive to static discha	rge.						
		Vapors can travel to a so	ource of ignition and flas	sh 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	Fire Fighting Ins	tructions: As in any fire, wear self-o equivalent), and full prote Note: Flammable as dilut	ective gear to prevent c	-					



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			Section 6. Ac	ccidental Release Me	easures		
6.1	Protecti	ive Precautions,	Avoid breathing vap	oors and provide adequate vent	ilation.		
Protective Equipment and As condition			d As conditions warra	nt, wear a NIOSH approved sel	If-contained breathing appa	ratus, or respirato	
		ency Procedures:		sonal protection (rubber boots,			
5.2	Environ	-	Take steps to avoid	release into the environment, it	f safe to do so.		
	Precaut						
6.3			r Contain spill and co	llect as appropriate			
0.0			-		in accordance with local re	aulations	
	Containment and CleaningTransfer to a ch					guiations.	
	Up:						
			Section 7	 Handling and Stor 	age		
7.1	Precaut	tions To Be Taken	Avoid breathing dus	t/fume/gas/mist/vapours/spray.			
	in Hand	lling:	Avoid prolonged or r	repeated exposure.			
			Keep away from sou	urces of ignition.			
			Take precautionary	measures against static dischar	rge.		
7.2	Precaut	tions To Be Taken	Keep away from hea	at, sparks, and flame.			
	in Stori	ng:	Keep container tight	ly closed.			
			Store in accordance	with information listed on the p	roduct insert.		
	Other P	recautions:	Hygroscopic.				
		Sec	tion 8. Exposi	ure Controls/Persona	al Protection		
8.1	Exposur	re Parameters:					
CAS	#	Partial Chemical	Name	Britain EH40	France VL	Europe	
937	738-63-1	Resolvin D1 meth	yl ester	No data.	No data.	No data.	
64	4-17-5	Ethyl alcohol		TWA: 1920 mg/m3 (1000 ppm)	TWA: 1900 mg/m3 (1000	No data.	
-	-			STEL: ()	ppm)		
					STEL: 9500 mg/m3 (5000		
					ppm)		
CAS	#	Partial Chemical Name		OSHA TWA	ACGIH TWA	Other Limits	
9377	738-63-1	Resolvin D1 meth	nyl ester	No data. No data.	No data.	No data.	
64	4-17-5	Ethyl alcohol		PEL: 1000 ppm	TLV: 1000 ppm	No data.	
8.2	Exposu	re Controls:					
8.2.1	Enginee	ering Controls	Use process enclos	ures, local exhaust ventilation, o	or other engineering control	s to control airborn	
	(Ventila	tion etc.):	levels below recomm	nended exposure limits.			
3.2.2	Person	al protection equi	pment:				
	Eye Protection: Safety glasses						
	Protecti	ive Gloves:	Compatible chemica	al-resistant gloves			
	Other P	rotective Clothing	g:Lab coat				
	Respira	tory Equipment	NIOSH approved re	spirator, as conditions warrant.			
-		y Type):					
			n Do not take internall	V			
	ce Prac			ν. tilizing this material should be equipped with an eyewash and a safety showeι			
ce Prac			Wash thoroughly aft	-			
			No data available.	J			



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	Section 9. Physical and Chemical Properties						
9.1	Information on Basic Physical and Chemical Properties						
	Physical States:	[] Gas [X] Liquid [] Solid					
	Appearance and Odor:	A solution in ethanol					
	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 C UEL: 19.0% at 25.0 C 43 MM_HG at 20.0 C					
	Vapor Pressure (vs. Air or						
	Hg):						
	Vapor Density (vs. Air = 1)): No data.					
	Specific Gravity (Water = 1	1): No data.					
	Solubility in Water:	No data.					
	Autoignition Pt:	363.00 C					
9.2	Other Information						
5.2	Percent Volatile:	No data.					
	Molecular Formula & Weig						
	Molecular Formula & Weig	-					
		Section 10. Stability and Reactivity					
10.1	Reactivity:	No data available.					
10.2	Stability:	Unstable [] Stable [X]					
10.3	Stability Note(s):	Stable if stored in accordance with information listed on the product insert.					
	Polymerization:	Will occur [] Will not occur [X]					
10.4	Conditions To Avoid:	heat, flames and sparks					
10.5	Incompatibility - Materials	alkali metals					
	To Avoid:	ammonia					
		peroxides					
		strong oxidizing agents					
10.6	Hazardous	carbon dioxide					
	Decomposition or	carbon monoxide					
	Byproducts:						

Multi-region format



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				n 11. Toxicolo					
Carcii	I.1 Information on Toxicological Effects: Chronic Toxicological Effects:		Ethanol - To (rat): 7,060 r (rabbit): 6,30 ppm (30m); (6h); Inhalati Ethanol - Irri Ethanol - Inv Only select F See actual e	gical effects of this pro xicity Data: Oral TDLC ng/kg; Oral LD50 (mou 00 mg/kg; Inhalation LC Inhalation TCLO (hum ion LCLO (mouse): 29 tation Data: Eyes (rable restigated as a mutage Registry of Toxic Effect entry in RTECS for con ECS Number: KQ63000 IARC Monographs?	0 (man): use): 3,4 C50 (rat): an): 2,50 ,300 ppm oit): 500 en, reprod ts of Che nplete inf 000	1.14 ml/kg; 50 mg/kg; (20,000 pp 0 mg/m3 (2 n (7h); mg (24h) m ductive effe emical Subs ormation.	Oral TDLO (r Dral LD50 (mo m (10h); Inha 20m); Inhalati hild; Skin (rab	man): 650 mg/ł ouse): 10.5 ml/ Ilation TCLO (h on LC50 (rat): bit): 20 mg (24 liorigen.	kg; Oral LD50 numan): 1,800 5,900 mg/m3 h) moderate;
CAS	#	Hazardous Com	ponents (Ch	emical Name)		NTP	IARC	ACGIH	OSHA
9377	38-63-1	Resolvin D1 meth				n.a.	n.a.	n.a.	n.a.
	-17-5	Ethyl alcohol				n.a.	1	A4	n.a.
			0 (
				on 12. Ecologi		iormati	on		
12.1	Toxicity	:		e into the environment					
			Runoff from fire control or dilution water may cause pollution.						
12.2	Persiste		No data available.						
	Degrada	-	No data available.						
12.3	Bioaccu Potentia		No data ava	liadie.					
12.4	Mobility		No data avai	ilabla					
12.4	-	of PBT and vPvB							
12.5	assessm								
12.6		lverse effects:	No data available.						
			Sectio	n 13. Disposa	l Cons	siderati	ons		
13.1	Waste D	isposal Method:		ccordance with local,					
	Waste D		•				-		
				tion 14. Transp		IUIIIau	011		
14.1 م		RANSPORT (US I	-	ashal Salution					
	OT Prope	r Shipping Name:	: Ethyl Ald 3	cohol Solution FLAMMABLE					
	N/NA Nun		3 1170	FLAIVIIVIADLE		king Grou	. .	II	
			FLªMMABLE L						
14.1	LAND T	RANSPORT (Euro	opean ADR/R	RID):					
Α	ADR/RID Shipping Name:		Ethyl Ale	cohol Solution					
U	N Numbe	r:	1170		Pac	king Grou	o :	II	
Н	azard Cla	SS:	3 - FLAN	MMABLE LIQUID					



14.3 AIR TRA	14.3 AIR TRANSPORT (ICAO/IATA):						
ICAO/IATA Shipping Name:		Ethyl Alcohol Solution					
UN Number:		1170	1170 Packing Group:		II		
Hazard Class:		3 - FLAMMABLE LIQUID IATA Classification:		cation:	3		
Additional Tran	nsport	Transport in accordance with loc	al, 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 (Su	perfund Amendme	ents and Reauthorization Act o	f 1986) Lists				
CAS #	Hazardous Comp	onents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)		
937738-63-1	Resolvin D1 methy	/l ester	No	No	No		

64-17-5	Ethyl alcohol	No	No	No
CAS #	Hazardous Components (Chemical Name)	ponents (Chemical Name) Other US EPA or State Lists		
937738-63-1	Resolvin D1 methyl ester	CAA HAP,ODC: N PROP.65: No	o; CWA NPDES: No	; TSCA: No; CA
64-17-5	Ethyl alcohol	CAA HAP,ODC: N Inventory; CA PR	lo; CWA NPDES: No OP.65: No	; TSCA: Yes -
Regulatory Inf	ormation This SDS was prepared in acc	1910.1200 and Regu	lation (EC)	

Statement: No.

No.1272/2008.

Section 16.	Other	Information
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Revision Date: 02/29/2016

Additional Information About No data available.

This Product:

Company Policy or Disclaimer:

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