

Revision: 03/25/2015 Supersedes Revision: 03/18/2009

4	HEMICAL		Supersedes Revision: 03/18/200				
	acc	ording to Regulation (EC) No. 1907/2006 as amended by	(EC) No. 1272/2008				
	Section 1.	Identification of the Substance/Mixture and of th	he Company/Undertaking				
.1	Product Code: Product Name: Synonyms:	10007240 Leukotriene B4 Lipid Maps MS Standard 5S,12R-dihydroxy-6Z,8E,10E,14Z-eicosatetrae	enoic acid; LTB4;				
.2	Relevant identified uses of	f the substance or mixture and uses advised ag	ainst:				
	Relevant identified uses	: For research use only, not for human or vetering	nary use.				
.3	Details of the Supplier of	the 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				
.4	Emergency telephone nur	nber:					
	Emergency Contact:	CHEMTREC Within USA and Canada: CHEMTREC Outside USA and Canada:	+1 (800)424-9300 +1 (703)527-3887				
		Section 2. Hazards Identific					
2.1	Classification of the Subs		allon				
	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.						



Page: 2 of 6

Revision: 03/25/2015 Supersedes Revision: 03/18/2009

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.

To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

Section 3. Composition/Information on Ingredients

CAS # / RTECS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
71160-24-2 JX3852000	Leukotriene B4	0.01 %	NA NA	Eye Damage 2A: H319 Skin Corr. 2: H315 STOT (SE) 3: H335 H336
64-17-5 KQ6300000	Ethyl alcohol	99.99 %	200-578-6 603-002-00-5	Flam. Liq. 2: H225

		Section 4. First Aid Measures					
l.1	Description of First Aid No data available.						
	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 contaminate 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						
	Effects, Both Acute and	(weakness, exhaustion), liver damage, narcosis, reproductive effects, teratogenic effects.					
	Delayed:						
		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.					
	Unsuitable Extinguishing	A solid water stream may be inefficient.					
	Media:						
5.2	Flammable Properties an	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.					
	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	Autoignition Pt:	: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or					
5.3	Autoignition Pt:						

Multi-region format



SAFETY DATA SHEET

Section 6. Accidental Release Measures

Leukotriene B4 Lipid Maps MS Standard

Revision: 03/25/2015 Supersedes Revision: 03/18/2009

6.1								
			Avoid breathing vapors and provide adequate ventilation.					
	Protective Equipment and As conditions warrant, wear a NIOSH approved self-contained				f-contained breathing appar	ratus, or respirator,		
	Emergency Procedures: and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).					rubber gloves).		
6.2	Environ	imental	Take steps to avoid release into the environment, if safe to do so.					
	Precautions:							
6.3	Method	s and Material For	Contain spill and coll	ect, as appropriate.				
			-	al waste container for disposal	in accordance with local re	gulations.		
	Up:		0			-		
	•							
			Section 7.	Handling and Stor	age			
7.1	Precaut	cautions To Be Taken Avoid breathing dust/fume/gas/mist/vapours/spray.						
in Hand		lling:	Avoid prolonged or re	peated exposure.				
1			Keep away from sour	ces of ignition.				
I			Take precautionary m	easures against static dischar	ge.			
7.2	Precaut	tions To Be Taken	Keep away from heat	, sparks, and flame.				
	in Stori	ng:	Keep container tightly	closed.				
			Store in accordance w	Store in accordance with information listed on the product insert.				
	Other P	recautions:	Hygroscopic					
			Light sensitive					
<u> </u>			Han Q. Evenau	ra Cantrala/Daraana	Drotoction			
		Sec	tion 8. Exposu	re Controls/Persona	al Protection			
8.1	Exposu	re Parameters:						
CAS	#	Partial Chemical	Name	Britain EH40	France VL	Europe		
7116	60-24-2	Leukotriene B4		No data.	No data.	No data.		
64-17-5		Ethyl alcohol		$T_{M/A}$: 1020 mg/m2 (1000 ppm)	TWA: 1900 mg/m3 (1000	No data.		
64	-17-5			TWA: 1920 mg/m3 (1000 ppm)	[· · · · · · · · · · · · · · · · · · ·			
64	-17-5			STEL: ()	ppm)			
64	-17-5				ppm) STEL: 9500 mg/m3 (5000			
	_			STEL: ()	ppm) STEL: 9500 mg/m3 (5000 ppm)			
64 CAS	_	Partial Chemical	Name		ppm) STEL: 9500 mg/m3 (5000	Other Limits		
CAS	_		Name	STEL: ()	ppm) STEL: 9500 mg/m3 (5000 ppm)			
CAS : 7116	#	Partial Chemical	Name	STEL: () OSHA TWA	ppm) STEL: 9500 mg/m3 (5000 ppm) ACGIH TWA	Other Limits		
CAS 7116 64	# 60-24-2 -17-5	Partial Chemical Leukotriene B4	Name	STEL: () OSHA TWA No data.	ppm) STEL: 9500 mg/m3 (5000 ppm) ACGIH TWA No data.	Other Limits No data.		
CAS : 7116	# 60-24-2 -17-5 Exposu	Partial Chemical Leukotriene B4 Ethyl alcohol		STEL: () OSHA TWA No data.	ppm) STEL: 9500 mg/m3 (5000 ppm) ACGIH TWA No data. TLV: 1000 ppm	Other Limits No data. No data.		
CAS : 7110 64 8.2	# 60-24-2 -17-5 Exposu Enginee	Partial Chemical Leukotriene B4 Ethyl alcohol re Controls:	Use process enclosur	STEL: () OSHA TWA No data. PEL: 1000 ppm	ppm) STEL: 9500 mg/m3 (5000 ppm) ACGIH TWA No data. TLV: 1000 ppm	Other Limits No data. No data.		
CAS : 7110 64 8.2	# 60-24-2 -17-5 Exposu Engined (Ventila	Partial Chemical Leukotriene B4 Ethyl alcohol re Controls: ering Controls	Use process enclosur levels below recomme	STEL: () OSHA TWA No data. PEL: 1000 ppm	ppm) STEL: 9500 mg/m3 (5000 ppm) ACGIH TWA No data. TLV: 1000 ppm	Other Limits No data. No data.		
CAS 7116 64 8.2 8.2.1	# 60-24-2 -17-5 Exposu Engined (Ventila Person	Partial Chemical Leukotriene B4 Ethyl alcohol re Controls: ering Controls tion etc.):	Use process enclosur levels below recomme	STEL: () OSHA TWA No data. PEL: 1000 ppm	ppm) STEL: 9500 mg/m3 (5000 ppm) ACGIH TWA No data. TLV: 1000 ppm	Other Limits No data. No data.		
CAS 7116 64 8.2 8.2.1	# 60-24-2 -17-5 Exposur Engined (Ventila Person Eye Pro	Partial Chemical Leukotriene B4 Ethyl alcohol re Controls: ering Controls tion etc.): al protection equi	Use process enclosur levels below recomme pment:	STEL: () OSHA TWA No data. PEL: 1000 ppm res, local exhaust ventilation, o ended exposure limits.	ppm) STEL: 9500 mg/m3 (5000 ppm) ACGIH TWA No data. TLV: 1000 ppm	Other Limits No data. No data.		
CAS 7116 64 8.2 8.2.1	# 60-24-2 Exposur Engined (Ventila Person Eye Pro Protecti	Partial Chemical Leukotriene B4 Ethyl alcohol re Controls: ering Controls tion etc.): al protection equi	Use process enclosur levels below recomme pment: Safety glasses Compatible chemical-	STEL: () OSHA TWA No data. PEL: 1000 ppm res, local exhaust ventilation, o ended exposure limits.	ppm) STEL: 9500 mg/m3 (5000 ppm) ACGIH TWA No data. TLV: 1000 ppm	Other Limits No data. No data.		
CAS 7116 64 8.2 8.2.1	# 60-24-2 Exposure Engined (Ventila Person Eye Pro Protecti Other P	Partial Chemical Leukotriene B4 Ethyl alcohol re Controls: ering Controls tion etc.): al protection equi otection: ive Gloves: protective Clothing	Use process enclosur levels below recomme pment: Safety glasses Compatible chemical- g:Lab coat	STEL: () OSHA TWA No data. PEL: 1000 ppm res, local exhaust ventilation, o ended exposure limits.	ppm) STEL: 9500 mg/m3 (5000 ppm) ACGIH TWA No data. TLV: 1000 ppm	Other Limits No data. No data.		
CAS 7116 64 8.2 8.2.1	# 60-24-2 -17-5 Exposur Engined (Ventila Person Eye Pro Protecti Other P Respira	Partial Chemical Leukotriene B4 Ethyl alcohol re Controls: ering Controls tion etc.): al protection equi otection: ive Gloves: rotective Clothing tory Equipment	Use process enclosur levels below recomme pment: Safety glasses Compatible chemical- g:Lab coat	STEL: () OSHA TWA No data. PEL: 1000 ppm res, local exhaust ventilation, o ended exposure limits.	ppm) STEL: 9500 mg/m3 (5000 ppm) ACGIH TWA No data. TLV: 1000 ppm	Other Limits No data. No data.		
CAS 7116 64 8.2 8.2.1	# 60-24-2 Exposure Engined (Ventila Persona Eye Protecta Other P Respira (Specify	Partial Chemical Leukotriene B4 Ethyl alcohol re Controls: ering Controls tion etc.): al protection equi otection: ive Gloves: rotective Clothing tory Equipment y Type):	Use process enclosur levels below recomme pment: Safety glasses Compatible chemical- g:Lab coat NIOSH approved resp	STEL: () OSHA TWA No data. PEL: 1000 ppm res, local exhaust ventilation, o ended exposure limits.	ppm) STEL: 9500 mg/m3 (5000 ppm) ACGIH TWA No data. TLV: 1000 ppm	Other Limits No data. No data.		
CAS 7116 64 8.2 8.2.1	# 60-24-2 Exposure Enginee (Ventila Person Protecti Other P Respira (Specify Work/H	Partial Chemical Leukotriene B4 Ethyl alcohol re Controls: ering Controls tion etc.): al protection equi otection: ive Gloves: rotective Clothing tory Equipment y Type): ygienic/Maintenar	Use process enclosur levels below recomme pment: Safety glasses Compatible chemical- g:Lab coat NIOSH approved resp n Do not take internally.	STEL: () OSHA TWA No data. PEL: 1000 ppm res, local exhaust ventilation, o ended exposure limits.	ppm) STEL: 9500 mg/m3 (5000 ppm) ACGIH TWA No data. TLV: 1000 ppm	Other Limits No data. No data. sto control airborne		
CAS 7116 64 8.2 8.2.1	# 60-24-2 Exposure Engined (Ventila Persona Eye Protecta Other P Respira (Specify	Partial Chemical Leukotriene B4 Ethyl alcohol re Controls: ering Controls tion etc.): al protection equi otection: ive Gloves: rotective Clothing tory Equipment y Type): ygienic/Maintenar	Use process enclosur levels below recomme pment: Safety glasses Compatible chemical- g:Lab coat NIOSH approved resp n Do not take internally. Facilities storing or ut	STEL: () OSHA TWA No data. PEL: 1000 ppm res, local exhaust ventilation, o ended exposure limits. rresistant gloves birator, as conditions warrant.	ppm) STEL: 9500 mg/m3 (5000 ppm) ACGIH TWA No data. TLV: 1000 ppm	Other Limits No data. No data. sto control airborne		
CAS 7116 64 8.2 8.2.1	# 60-24-2 Exposure Enginee (Ventila Person Protecti Other P Respira (Specify Work/H	Partial Chemical Leukotriene B4 Ethyl alcohol re Controls: ering Controls tion etc.): al protection equi otection: ive Gloves: rotective Clothing tory Equipment y Type): ygienic/Maintenar	Use process enclosur levels below recomme pment: Safety glasses Compatible chemical- g:Lab coat NIOSH approved resp n Do not take internally. Facilities storing or ut Wash thoroughly afte	STEL: () OSHA TWA No data. PEL: 1000 ppm res, local exhaust ventilation, o ended exposure limits. rresistant gloves birator, as conditions warrant.	ppm) STEL: 9500 mg/m3 (5000 ppm) ACGIH TWA No data. TLV: 1000 ppm	Other Limits No data. No data. sto control airborne		
CAS 7116 64 8.2 8.2.1	# 60-24-2 Exposure Enginee (Ventila Person Protecti Other P Respira (Specify Work/H	Partial Chemical Leukotriene B4 Ethyl alcohol re Controls: ering Controls tion etc.): al protection equi otection: ive Gloves: rotective Clothing tory Equipment y Type): ygienic/Maintenar	Use process enclosur levels below recomme pment: Safety glasses Compatible chemical- g:Lab coat NIOSH approved resp n Do not take internally. Facilities storing or ut	STEL: () OSHA TWA No data. PEL: 1000 ppm res, local exhaust ventilation, o ended exposure limits. rresistant gloves birator, as conditions warrant.	ppm) STEL: 9500 mg/m3 (5000 ppm) ACGIH TWA No data. TLV: 1000 ppm	Other Limits No data. No data. sto control airborne		
CAS 7116 64 8.2 8.2.1	# 60-24-2 Exposure Enginee (Ventila Person Protecti Other P Respira (Specify Work/H	Partial Chemical Leukotriene B4 Ethyl alcohol re Controls: ering Controls tion etc.): al protection equi otection: ive Gloves: rotective Clothing tory Equipment y Type): ygienic/Maintenar	Use process enclosur levels below recomme pment: Safety glasses Compatible chemical- g:Lab coat NIOSH approved resp n Do not take internally. Facilities storing or ut Wash thoroughly afte	STEL: () OSHA TWA No data. PEL: 1000 ppm res, local exhaust ventilation, o ended exposure limits. rresistant gloves birator, as conditions warrant.	ppm) STEL: 9500 mg/m3 (5000 ppm) ACGIH TWA No data. TLV: 1000 ppm	Other Limits No data. No data. sto control airborne		
CAS 7116 64 8.2 8.2.1	# 60-24-2 Exposure Enginee (Ventila Person Protecti Other P Respira (Specify Work/H	Partial Chemical Leukotriene B4 Ethyl alcohol re Controls: ering Controls tion etc.): al protection equi otection: ive Gloves: rotective Clothing tory Equipment y Type): ygienic/Maintenar	Use process enclosur levels below recomme pment: Safety glasses Compatible chemical- g:Lab coat NIOSH approved resp n Do not take internally. Facilities storing or ut Wash thoroughly afte	STEL: () OSHA TWA No data. PEL: 1000 ppm res, local exhaust ventilation, o ended exposure limits. rresistant gloves birator, as conditions warrant.	ppm) STEL: 9500 mg/m3 (5000 ppm) ACGIH TWA No data. TLV: 1000 ppm	Other Limits No data. No data. sto control airborne		



Revision: 03/25/2015 Supersedes Revision: 03/18/2009

	CHEMICAL	Supersedes Revision: 03/18/2009			
		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.			
	Explosive Limits:	LEL: 3.3% at 25.0 C UEL: 19.0% at 25.0 C			
	Vapor Pressure (vs. Air	or mm 43 MM_HG at 20.0 C			
	Hg):				
	Vapor Density (vs. Air =	1): No data.			
	Specific Gravity (Water =	= 1): No data.			
	Solubility in Water:	No data.			
	Autoignition Pt:	363.00 C			
9.2	Other Information				
	Percent Volatile:	No data.			
	Molecular Formula & We	eight: C20H32O4 336.5			
		Section 10. Stability and Reactivity			
10.1	Reactivity:	No data available.			
10.1	Stability:				
10.2	Stability Note(s):	Unstable [] Stable [X] Stable if stored in accordance with information listed on the product insert.			
10.5					
	Polymerization:	Will occur [] Will not occur [X]			
10.4	Conditions To Avoid: heat, flames and sparks				
10.5	Incompatibility - Materia				
	To Avoid:	ammonia			
		peroxides			
40.0	Herendeur	strong oxidizing agents			
10.6	Hazardous	carbon dioxide			
	Decomposition Or	carbon monoxide			
	Byproducts:				

Multi-region format



Revision: 03/25/2015 Supersedes Revision: 03/18/2009

Chron Effects Carcinogenic CAS # 71160-24-2 64-17-5 2.1 Toxicit 2.2 Persis Degrad 2.3 Bioaco Potent 2.4 Mobilit 2.5 Result assess 2.6 Other 3.1 Waste 3.1 Waste	Hazardous Com Leukotriene B4 Ethyl alcohol	The toxicological effects of this product f Ethanol - Toxicity Data: Oral TDLO (mar (rat): 7,060 mg/kg; Oral LD50 (mouse): 3 (rabbit): 6,300 mg/kg; Inhalation LC50 (r ppm (30m); Inhalation TCLO (human): 2 (6h); Inhalation LCLO (mouse): 29,300 p Ethanol - Irritation Data: Eyes (rabbit): 5 Ethanol - Investigated as a mutagen, rep Only select Registry of Toxic Effects of C See actual entry in RTECS for complete Ethanol RTECS Number: KQ6300000 Leukotriene B4 Lipid Maps MS Standard NTP? No IARC Monographs? No ponents (Chemical Name) Section 12. Ecological Avoid release into the environment.	n): 1.14 ml/kg; 3,450 mg/kg; (at): 20,000 pp ,500 mg/m3 (opm (7h); 00 mg (24h) n oroductive effe Chemical Subs information.	Oral TDLO (r Oral LD50 (mo om (10h); Inha 20m); Inhalati nild; Skin (rable ector, and tum stances (RTE	nan): 650 mg/k buse): 10.5 ml/ lation TCLO (h on LC50 (rat): bit): 20 mg (24 origen. CS) data is pre	/kg; Oral LD50 numan): 1,800 5,900 mg/m3 h) moderate;	
CAS # 71160-24-2 64-17-5 2.1 Toxicit 2.2 Persis Degrad 2.3 Bioaco Potent 2.4 Mobilit 2.5 Result assess 2.6 Other 3.1 Waste 14.1 LAND DOT Prop DOT Haza	Hazardous Com Leukotriene B4 Ethyl alcohol	Leukotriene B4 Lipid Maps MS Standard NTP? No IARC Monographs? No aponents (Chemical Name) Section 12. Ecological	OSHA Re NTP n.a.	egulated? No			
CAS # 71160-24-2 64-17-5 2.1 Toxicit 2.2 Persis Degrad 2.3 Bioaco Potent 2.4 Mobilit 2.5 Result assess 2.6 Other 3.1 Waste 14.1 LAND DOT Prop DOT Haza	Hazardous Com Leukotriene B4 Ethyl alcohol	NTP? No IARC Monographs? No ponents (Chemical Name) Section 12. Ecological	OSHA Re NTP n.a.	egulated? No			
CAS # 71160-24-2 64-17-5 2.1 Toxicit 2.2 Persis Degrad 2.3 Bioaco Potent 2.4 Mobilit 2.5 Result assess 2.6 Other 3.1 Waste 14.1 LAND DOT Prop DOT Haza	Hazardous Com Leukotriene B4 Ethyl alcohol	Section 12. Ecological	NTP n.a.	IARC	ACGIH		
71160-24-2 64-17-5 2.1 Toxicit 2.2 Persis Degrad Degrad 2.3 Bioaccord 2.4 Mobility 2.5 Resulty 2.6 Other 3.1 Waste 14.1 LAND DOT Prop DOT Haza	Leukotriene B4 Ethyl alcohol	Section 12. Ecological	n.a.			OSHA	
64-17-5 2.1 Toxicit 2.2 Persis Degrad 2.3 Bioaco Potent 2.4 Mobilit 2.5 Result assess 2.6 Other 3.1 Waste 14.1 LAND DOT Prop DOT Haza	Ethyl alcohol	¥			n.a.	n.a.	
2.1 Toxicit 2.2 Persis Degrad 2.3 Bioaco Potent 2.4 Mobilit 2.5 Result assess 2.6 Other 3.1 Waste 14.1 LAND DOT Prop DOT Haza	ity:	¥		1	A4	n.a.	
2.2 Persis Degrad 2.3 Bioaco Potent 2.4 Mobili 2.5 Result assess 2.6 Other 3.1 Waste 14.1 LAND DOT Prop DOT Haza	-	¥	Informati		Į		
2.2 Persis Degrad 2.3 Bioaco Potent 2.4 Mobili 2.5 Result assess 2.6 Other 3.1 Waste 14.1 LAND DOT Prop DOT Haza	-		monnal				
Degrad Potent 2.3 Bioacc Potent 2.4 Mobilit 2.5 Result assess 2.6 Other 3.1 Waste 3.1 Waste 14.1 LAND DOT Prop DOT Haza		Runoff from fire control or dilution water	may cause or	ollution			
Degrad Potent 2.3 Bioacc Potent 2.4 Mobilit 2.5 Result assess 2.6 Other 3.1 Waste 3.1 Waste 14.1 LAND DOT Prop DOT Haza	tonoo and	No data available.					
2.3 Bioaco Potent 2.4 Mobilit 2.5 Result assess 2.6 Other 3.1 Waste 14.1 LAND DOT Prop DOT Haza		no data avaliable.					
Potent 2.4 Mobilit 2.5 Result assess 2.6 Other 3.1 Waste 14.1 LAND DOT Prop DOT Haza	-	No data available					
2.4 Mobilit 2.5 Result assess 2.6 Other 3.1 Waste 14.1 LAND DOT Prop DOT Haza		No data available.					
2.5 Result assess 2.6 Other 3.1 Waste 14.1 LAND DOT Prop DOT Haza		No doto ovoilable					
assess 2.6 Other 3.1 Waste 14.1 LAND DOT Prop DOT Haza	-	No data available.					
3.1 Waste 14.1 LAND DOT Prop DOT Haza	12.5 Results of PBT and vPvB No data available. assessment:						
14.1 LAND DOT Prop DOT Haza	adverse effects:	No data available.					
14.1 LAND DOT Prop DOT Haza		Section 13. Disposal Co	nsiderati	ons			
DOT Prop DOT Haza	Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.						
DOT Prop DOT Haza		Section 14. Transport	Informati	ion			
DOT Haza	TRANSPORT (US	DOT):					
	per Shipping Name	: Ethyl Alcohol Solution					
UN/NA N	ard Class:	3 FLAMMABLE LIQU	ID				
	umber:	1170 P	acking Grou	p:	II		
		opean ADR/RID): Ethyl Alcohol Solution					
	TRANSPORT (Eur	-	acking Grou	b :	11		
Hazard C	Shipping Name:	3 - FLAMMABLE LIQUID	acking Grou	μ.	11		



Revision: 03/25/2015 Supersedes Revision: 03/18/2009

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name:	Ethyl Alcohol Solution				
UN Number:	1170	Packing Group:	II		
Hazard Class:	3 - FLAMMABLE LIQUID	IATA Classification:	3		
Additional Transport	Transport in accordance with loca	l, 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

CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
71160-24-2	Leukotriene B4		No	No	No
64-17-5 Ethyl alcohol			No	No	No
CAS # Hazardous Comp		ponents (Chemical Name) Other US EPA or State Lists		•	
71160-24-2 Leukotriene B4			CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No		No; TSCA: No; CA
64-17-5 Ethyl alcohol		CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No			
Regulatory Inf Statement:	ormation	This SDS was prepared in acc No.1272/2008.	ordance with 29 CFF	R 1910.1200 and R	egulation (EC)
		Section 16. Ot	her Informatio	on	
Revision Date:		03/25/2015			
Additional Information About This Product:		No data available.			
Company Poli	cy or Disclaimer:	DISCLAIMER: This information currently available to us. Howe express or implied, with respec use. Users should make their their particular purposes.	ever, we make no wa ct to such information	rranty of merchanta n, and we assume n	bility or any other warrant