

	accore					
Section 1. Identification of the Substance/Mixture and of the Company/Undertaking						
.1	Product Code:	10010547				
	Product Name:	O-Arachidonoyl Glycidol				
	Synonyms:	5Z,8Z,11Z,14Z-eicosatetraenoic acid, oxirany	Imethyl ester;			
.2	Relevant identified uses of t	he substance or mixture and uses advised ag	gainst:			
	Relevant identified uses:	For research use only, not for human or veter	inary 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				
	Web site address:	www.caymanchem.com				
	Information:	Cayman Chemical Company	+1 (734)971-3335			
.4	Emergency telephone numb	er:				
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300			
		CHEMTREC Outside USA and Canada:	+1 (703)527-3887			
		Section 2. Hazards Identific	cation			
2.1	Classification of the Substa	nce or Mixture				
2.1.1	Flammable Liquids, Categ Serious Eye Damage/Eye Specific Target Organ Tox	-				
2.2	Flammable Liquids, Categ Serious Eye Damage/Eye Specific Target Organ Tox Label Elements:	ory 2 Irritation, Category 2				
2.2	Flammable Liquids, Catego Serious Eye Damage/Eye Specific Target Organ Tox Label Elements: Labeling according to Regu	lory 2 Irritation, Category 2 xicity (single exposure), Category 3 Ilation (EC) No 1272/2008 [CLP]:				
2.2	Flammable Liquids, Categ Serious Eye Damage/Eye Specific Target Organ Tox Label Elements:	ory 2 Irritation, Category 2 sicity (single exposure), Category 3				
2.2	Flammable Liquids, Category Serious Eye Damage/Eye Specific Target Organ Tox Label Elements: Labeling according to Regu GHS Signal Word:	Jory 2 Irritation, Category 2 xicity (single exposure), Category 3 Ilation (EC) No 1272/2008 [CLP]: Danger				
2.2	Flammable Liquids, Category Serious Eye Damage/Eye Specific Target Organ Tox Label Elements: Labeling according to Regu Construction GHS Signal Word: GHS Hazard Phrases:	Inritation, Category 2 Irritation, Category 2 Alation (EC) No 1272/2008 [CLP]: Danger				
2.2	Flammable Liquids, Category Serious Eye Damage/Eye Specific Target Organ Tox Label Elements: Labeling according to Regu GHS Signal Word: GHS Hazard Phrases: H225: Highly flammable liqu	Inritation, Category 2 Irritation, Category 2 Alation (EC) No 1272/2008 [CLP]: Danger Nid and vapor. Irritation.				
2.2	Flammable Liquids, Categoria Serious Eye Damage/Eye Specific Target Organ Tox Label Elements: Labeling according to Regu Office Signal Word: GHS Signal Word: GHS Hazard Phrases: H225: Highly flammable liqu H319: Causes serious eye i	Inritation, Category 2 Irritation, Category 2 Alation (EC) No 1272/2008 [CLP]: Danger Nid and vapor. Irritation.				
2.2	Flammable Liquids, Categoria Serious Eye Damage/Eye Specific Target Organ Tox Label Elements: Labeling according to Regu Construction Signal Word: GHS Signal Word: GHS Hazard Phrases: H225: Highly flammable liqu H319: Causes serious eye i H336: May cause drowsines: GHS Precaution Phrases:	Inritation, Category 2 Irritation, Category 2 Alation (EC) No 1272/2008 [CLP]: Danger Nid and vapor. Irritation.	g.			
2.2	Flammable Liquids, Categoria Serious Eye Damage/Eye Specific Target Organ Tox Label Elements: Labeling according to Regu Construction Signal Word: GHS Signal Word: GHS Hazard Phrases: H225: Highly flammable liqu H319: Causes serious eye i H336: May cause drowsines: GHS Precaution Phrases: P210: Keep away from {heat	Inritation, Category 2 Inritation, Category 2 Addition (EC) No 1272/2008 [CLP]: Danger Nid and vapor. Initation. So or dizziness.				
2.2	Flammable Liquids, Categoria Serious Eye Damage/Eye Specific Target Organ Tox Label Elements: Labeling according to Regu Construction of the Signal Word: GHS Signal Word: GHS Hazard Phrases: H225: Highly flammable liqu H319: Causes serious eye if H336: May cause drowsines: GHS Precaution Phrases: P210: Keep away from {heat P280: Wear {protective glow P264: Wash {hands} thorout	Inritation, Category 2 Inritation, Category 2 Addition (EC) No 1272/2008 [CLP]: Danger Nid and vapor. Antid and vapor. Antitation. Antitat				
2.2	Flammable Liquids, Categorian Serious Eye Damage/Eye Specific Target Organ Tox Label Elements: Labeling according to Regu Construction GHS Signal Word: GHS Hazard Phrases: H225: Highly flammable liqu H319: Causes serious eye if H336: May cause drowsines GHS Precaution Phrases: P210: Keep away from {heat P280: Wear {protective glow P264: Wash {hands} thorout P261: Avoid breathing {dust	Inritation, Category 2 Inritation, Category 2 Alation (EC) No 1272/2008 [CLP]: Danger Nid and vapor. Antitation. A				
2.2	Flammable Liquids, Categoria Serious Eye Damage/Eye Specific Target Organ Tox Label Elements: Labeling according to Regu Construction of the Regularity GHS Signal Word: GHS Hazard Phrases: H225: Highly flammable liqu H319: Causes serious eye if H336: May cause drowsines GHS Precaution Phrases: P210: Keep away from {hea P280: Wear {protective glow P264: Wash {hands} thorou P261: Avoid breathing {dust GHS Response Phrases:	Inritation, Category 2 Arritation, Category 2 Aticity (single exposure), Category 3 Allation (EC) No 1272/2008 [CLP]: Danger Nid and vapor. Arritation. And vapor. Arritation. And vapor. Arritation. And vapor. And vapor.	tion}.			
2.2	Flammable Liquids, Categoria Serious Eye Damage/Eye Specific Target Organ Tox Label Elements: Labeling according to Regu Construction GHS Signal Word: GHS Hazard Phrases: H225: Highly flammable liqu H319: Causes serious eye if H336: May cause drowsines GHS Precaution Phrases: P210: Keep away from {heat P280: Wear {protective glow P264: Wash {hands} thorout P261: Avoid breathing {dust GHS Response Phrases: P303+361+353: IF ON SKIN	Inritation, Category 2 Inritation, Category 2 Addition (EC) No 1272/2008 [CLP]: Danger Nid and vapor. Antid and vapor. Antitation. Antitat	tion}.			
2.2	Flammable Liquids, Categorserious Eye Damage/Eye Specific Target Organ Tox Label Elements: Labeling according to Regu Construction of the Regu Construction of the Regulation GHS Signal Word: GHS Hazard Phrases: H225: Highly flammable liqu H319: Causes serious eye in H336: May cause drowsines: GHS Precaution Phrases: P210: Keep away from {heat P280: Wear {protective glow P264: Wash {hands} thorout P261: Avoid breathing {dust GHS Response Phrases: P303+361+353: IF ON SKIN water/shower.	Inritation, Category 2 Arritation, Category 2 Aticity (single exposure), Category 3 Allation (EC) No 1272/2008 [CLP]: Danger And and vapor. Arritation. As or dizziness. At/sparks/open flames/hot surfaces} No smoking es/protective clothing/eye protection/face protection ghly after handling. A (or hair): Remove/take off immediately all contacts	tion}. aminated clothing. Rinse skin with			
2.2	Flammable Liquids, Categorserious Eye Damage/Eye Specific Target Organ Tox Label Elements: Labeling according to Regu Construction of the Regu Construction of the Regu GHS Signal Word: GHS Hazard Phrases: H225: Highly flammable liqu H319: Causes serious eye if H336: May cause drowsines: GHS Precaution Phrases: P210: Keep away from {hea P280: Wear {protective glow P264: Wash {hands} thorou P264: Wash {hands} thorou P264: Wash {hands} thorou P261: Avoid breathing {dust GHS Response Phrases: P303+361+353: IF ON SKIN water/shower. P305+351+338: IF IN EYES	Inritation, Category 2 Arritation, Category 2 Aticity (single exposure), Category 3 Allation (EC) No 1272/2008 [CLP]: Danger Nid and vapor. Arritation. And vapor. Arritation. And vapor. Arritation. And vapor. And vapor.	tion}. aminated clothing. Rinse skin with			
2.2	Flammable Liquids, Categorserious Eye Damage/Eye Specific Target Organ Tox Label Elements: Labeling according to Regu Control Contention of the second GHS Signal Word: GHS Hazard Phrases: H225: Highly flammable liqu H319: Causes serious eye if H336: May cause drowsines GHS Precaution Phrases: P210: Keep away from {hea P280: Wear {protective glow P264: Wash {hands} thorou P264: Wash {hands} thorou P261: Avoid breathing {dust GHS Response Phrases: P303+361+353: IF ON SKIN water/shower. P305+351+338: IF IN EYES to do. Continue rinsing.	Inritation, Category 2 Arritation, Category 2 Aticity (single exposure), Category 3 Allation (EC) No 1272/2008 [CLP]: Danger And and vapor. Arritation. As or dizziness. At/sparks/open flames/hot surfaces} No smoking es/protective clothing/eye protection/face protection ghly after handling. A (or hair): Remove/take off immediately all contacts	tion}. aminated clothing. Rinse skin with			



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P312: Call a	{POISON	CENTER	<th>} If you</th> <th>teel</th>	} If you	teel

GHS Storage and Disposal Phrases:

Please refer to Section 7 for Storage and Section 13 for Disposal information.

- **2.3 Adverse Human Health** Causes serious eye irritation.
 - Effects and Symptoms: Material may be irritating to the mucous membranes and upper respiratory tract.

unwell.

May be harmful by inhalation, ingestion, or skin absorption.

May cause drowsiness or dizziness.

May cause 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
439146-24-4 NA	O-Arachidonoyl Glycidol	5.0 %	NA NA	No data available.
79-20-9 Al9100000	Methyl acetate	95.0 %	201-185-2 607-021-00-X	Flam. Liq. 2: H225 Eye Damage 2: H319 STOT (SE) 3: H335 H336

Section 4. First Aid Measures

4.1 Description of First Aid No data available.

- 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.
- Important Symptoms and Exposure may cause: coughing, dizziness, drowsiness, headache, narcosis, optic nerve atrophy,
 Effects, Both Acute and chest tightness.

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 flash point.
	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:	-10.00 C Method Used: Closed Cup
	Explosive Limits:	LEL: 3.1% at 25.0 C UEL: 16.0% at 25.0 C
	Autoignition Pt:	455.00 C

Multi-region format



F E 5.2 E 5.3 M C	Protecti Emerge Environ Precaut Method:	ncy Procedures: mental ions: s and Material Fo	Note: Flammable as Section 6. Ad Avoid breathing van and As conditions warran and appropriate per Take steps to avoid or Contain spill and co	protective gear to prevent cont a diluted in methyl acetate. Ccidental Release M pors and provide adequate vent ant, wear a NIOSH approved se rsonal protection (rubber boots, d release into the environment,	EASURES tilation. If-contained breathing appara safety goggles, and heavy re			
F E 5.2 E F 5.3 M	Protecti Emerge Environ Precaut Methods Contain	ve Equipment an ncy Procedures: mental ions: s and Material Fo	Section 6. Ad Avoid breathing val d As conditions warra and appropriate pe Take steps to avoid	ccidental Release M pors and provide adequate ven ant, wear a NIOSH approved se rsonal protection (rubber boots, d release into the environment,	tilation. If-contained breathing appara , safety goggles, and heavy r			
F E 5.2 E F 5.3 M	Protecti Emerge Environ Precaut Methods Contain	ve Equipment an ncy Procedures: mental ions: s and Material Fo	Avoid breathing va d As conditions warra and appropriate pe Take steps to avoid	pors and provide adequate ven ant, wear a NIOSH approved se rsonal protection (rubber boots, d release into the environment,	tilation. If-contained breathing appara , safety goggles, and heavy r			
F E 5.2 E F 5.3 M	Protecti Emerge Environ Precaut Methods Contain	ve Equipment an ncy Procedures: mental ions: s and Material Fo	d As conditions warra and appropriate pe Take steps to avoid r Contain spill and co	ant, wear a NIOSH approved se rsonal protection (rubber boots I release into the environment,	elf-contained breathing appara , safety goggles, and heavy r			
E 5.2 E F 5.3 M	Emerge Environ Precaut Method: Contain	ncy Procedures: mental ions: s and Material Fo	and appropriate pe Take steps to avoid or Contain spill and co	rsonal protection (rubber boots, I release into the environment,	, safety goggles, and heavy r			
5.2 E F 5.3 N	Environ Precaut Methods Contain	mental ions: s and Material Fo	Take steps to avoid	release into the environment,		ubber gloves).		
F 6.3 M C	Precaut Methods Contain	ions: s and Material Fo	r Contain spill and co		if safe to do so.			
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		ment and Cleani	ng I ranster to a chem					
(Up:		ייי פייי פייי פייי	ical waste container for disposa	al in accordance with local reg	julations.		
	-							
			Section 7	7. Handling and Stor	rage			
7.1 F	Precaut	ions To Be Taker	n Avoid breathing dus	st/fume/gas/mist/vapours/spray.				
i	in Handling: Avoid prolonged or r			repeated exposure.				
	Keep away from sou			urces of ignition.				
		Take precautionary measures against static discharge.						
			h Keep away from he	-				
i	in Storir	ng:	Keep container tigh					
(Othor P	Store in accordance with information listed on the product insert. Other Precautions: Protect from moisture.						
			tion 8. Expos	ure Controls/Person	al Protection			
	Exposur	e Parameters:			France VL	F		
CAS #	0.04.4	Partial Chemica		Britain EH40		Europe		
439146		O-Arachidonoyl (JIYCIOOI	No data.	No data.	No data.		
79-2	20-9	Methyl acetate		TWA: 616 mg/m3 (200 ppm) STEL: 770 mg/m3 (250 ppm)	TWA: 610 mg/m3 (200 ppm) STEL: 760 mg/m3 (250 ppm)	No data.		
CAS #		Partial Chemica	I Name	OSHA TWA	ACGIH TWA	Other Limits		
439146	6-24-4	O-Arachidonoyl (Glycidol	No data.	No data.	No data.		
79-2	20-9	Methyl acetate		PEL: 200 ppm	TLV: 200 ppm STEL: 250 ppm	No data.		
3.2 E	Exposur	e Controls:		•	•	•		
8.2.1 E	Enginee	ering Controls	Use process enclos	ures, local exhaust ventilation,	or other engineering controls	to control airbo		

8.2.2 Personal protection equipment:

 Eye Protection:
 Safety glasses

 Protective Gloves:
 Compatible chemical-resistant gloves

 Other Protective Clothing:Lab coat
 Respiratory Equipment

 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 a safety shower.

 Wash thoroughly after handling.
 No data available.

Multi-region format



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	5	Section 9. Physical and Chemical Properties			
9.1	Information on Basic Phy	vsical and Chemical Properties			
	Physical States:	[]Gas [X]Liquid []Solid			
	Appearance and Odor:	Solution			
	Melting Point:	No data.			
	Boiling Point:	No data.			
	Flash Pt:	-10.00 C Method Used: Closed Cup			
	Evaporation Rate:	No data.			
	Explosive Limits:	LEL: 3.1% at 25.0 C UEL: 16.0% at 25.0 C			
	Vapor Pressure (vs. Air o	or mm 173 MM_HG at 20.0 C			
	Hg):				
	Vapor Density (vs. Air =	-			
	Specific Gravity (Water =	= 1): No data.			
	Solubility in Water:	No data.			
	Autoignition Pt:	455.00 C			
9.2	Other Information				
	Percent Volatile:	No data.			
	Molecular Formula & We	ight: C23H36O3 360.5			
		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 - Material				
	To Avoid:	alkalis			
		nitrates			
		strong oxidizing agents			
10.6	Hazardous	carbon dioxide			
	Decomposition Or	carbon monoxide			
	Byproducts:				



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			Section	n 11. Toxicolo	gical Inform	ation			
1.1 Information on Toxicological Effects:			The toxicological effects of this product have not been thoroughly studied. Methyl Acetate - Toxicity Data: Oral LD50 (rat): >5,000 mg/kg; Oral LD50 (rabbit): 3,705 mg/kg; Skin LD50 (rabbit): >5,000 mg/kg; Inhalation TCLO (human): 15,000 mg/m3; Methyl Acetate - Irritation Data: Skin (rabbit): 500 mg (24h) mild; Eyes (rabbit): 100 mg (24h) moderate;						
Chronic Toxicological Effects:		See actual e	Registry of Toxic Effect ntry in RTECS for com te RTECS Number: A	plete information.	ostances (RTE	CS) data is pre	esented here.		
Carcii	nogenicity	y:	NTP? No IARC Monographs? No		No OSHA R	OSHA Regulated? No			
CAS	#	Hazardous Com	ponents (Che	emical Name)	NTP	IARC	ACGIH	OSHA	
4391	46-24-4	O-Arachidonoyl G	Slycidol		n.a.	n.a.	n.a.	n.a.	
79	-20-9	Methyl acetate			n.a.	n.a.	n.a.	n.a.	
			Secti	on 12. Ecologi	cal Information	tion			
12.1	Toxicity	:	Avoid release	e into the environment					
			Runoff from t	ire control or dilution v	vater may cause p	ollution.			
12.2	Persiste Degrada	nce and ability:	No data available.						
12.3		mulative	No data available.						
12.4	Mobility	in Soil:	No data available.						
12.5 Results of PBT and vPvE assessment:			3 No data available.						
			No data avai	lable.					
12.6	assessn		No data avai No data avai						
12.6	assessn	nent:	No data avai		Considerat	tions			
	assessn Other ac	nent: dverse effects:	No data avai	lable.					
	assessn Other ac	nent: dverse effects:	No data avai Sectio Dispose in ad	lable. n 13. Disposal ccordance with local, s	state, and federal i	egulations.			
13.1	assessn Other ac Waste D	nent: dverse effects: Disposal Method:	No data avai Sectio Dispose in ad Sect	^{lable.} n 13. Disposal	state, and federal i	egulations.			
13.1	assessn Other ad Waste D	nent: dverse effects: Disposal Method: RANSPORT (US I	No data avai Sectio Dispose in ad Sect	lable. n 13. Disposal ccordance with local, s ion 14. Transp	state, and federal i	egulations.			
13.1 14.1 	assessn Other ad Waste D	nent: dverse effects: Disposal Method: RANSPORT (US I or Shipping Name:	No data avai Sectio Dispose in ad Sect	lable. n 13. Disposal ccordance with local, s	ort Informa	egulations.			
D	assessn Other ac Waste D LAND T OT Prope	nent: dverse effects: Disposal Method: RANSPORT (US I er Shipping Name: d Class:	No data avai Sectio Dispose in ad Sect DOT): Methyl A	lable. n 13. Disposal ccordance with local, s ion 14. Transp .cetate Solution	ort Informa	regulations. tion			
13.1 14.1 D	assessn Other ad Waste D LAND T OT Prope OT Hazar N/NA Nur	nent: dverse effects: Disposal Method: RANSPORT (US I er Shipping Name: d Class:	No data avai Sectio Dispose in ad Sect DoT): Methyl A 3 1231	lable. n 13. Disposal ccordance with local, s ion 14. Transp acetate Solution FLAMMABLE	tate, and federal i ort Informa	regulations. tion			
13.1 14.1 D U	assessn Other ad Waste D LAND T OT Prope OT Hazar N/NA Nur	nent: dverse effects: Disposal Method: RANSPORT (US I er Shipping Name: d Class: nber:	No data avai Sectio Dispose in ad Sect Dott): Methyl A 3 1231	lable. n 13. Disposal ccordance with local, s ion 14. Transp acetate Solution FLAMMABLE	tate, and federal i ort Informa	regulations. tion			
13.1 14.1 D U 14.1	assessn Other ad Waste D LAND T OT Prope OT Hazar N/NA Nur	nent: dverse effects: Disposal Method: RANSPORT (US I or Shipping Name: d Class: nber: RANSPORT (Euro hipping Name:	No data avai Sectio Dispose in ad Sect Dott): Methyl A 3 1231	Iable. n 13. Disposal coordance with local, s ion 14. Transp acetate Solution FLAMMABLE ID):	tate, and federal i ort Informa	regulations. tion 			



14.3 AIR TRANSPORT (ICAO/	ATA):					
ICAO/IATA Shipping Name:	Methyl Acetate Solution					
UN Number:	1231	Packing Group:	II			
Hazard Class:	3 - FLAMMABLE LIQUID	IATA Classification:	3			
Additional Transport	Transport 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						

•		nents and Reauthorization Act			0 040 (===)	
CAS #		ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
439146-24-4	O-Arachidonoyl Glycidol		No	No	No	
79-20-9	Methyl acetate		No	No	No	
CAS #	Hazardous Components (Chemical Name)		Other US EPA o	r State Lists		
439146-24-4 O-Arachidonoyl O		Glycidol	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
79-20-9	Methyl acetate			CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test, 8A PAIR; CA PROP.65: No		
Regulatory Info Statement:	ormation	This SDS was prepared in acco No.1272/2008.	prdance with 29 CFF	R 1910.1200 and R	egulation (EC)	
		Section 16. Otl	ner Informatio	on		
Revision Date:		04/16/2015				
Additional Info This Product:	ormation About	No data available.				
Company Polic	cy or Disclaimer:	DISCLAIMER: This information currently available to us. However express or implied, with respect use. Users should make their of their particular purposes.	ver, we make no wa t to such informatior	rranty of merchanta , and we assume r	ability or any other warranty no liability resulting from its	

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