

Revision: 01/13/2019

	Contian 1 la	ntification of the Substance/Minture and of H	ha Company/Undortaking				
	Section 1. Ide	entification of the Substance/Mixture and of t	ne Company/Undertaking				
.1	Product Code:	26549					
	Product Name:	Decanoyl-L-carnitine (chloride)					
	Synonyms:	(2R)-3-carboxy-N,N,N-trimethyl-2-[(1-oxodecy	l)oxy]-1-propanaminium, monochloride; C10				
		Carnitine; (-)-Decanoylcarnitine; L-Decanoylc	arnitine;				
2	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.					
		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	ation				
1	Classification of the Substar						
	Skin Corrosion/Irritation, C						
	Serious Eye Damage/Eye Irritation, Category 2						
	Senous Eye Damage/Eye i	rritation, Category 2					
2		rritation, Category 2 icity (single exposure), Category 3					
2	Specific Target Organ Tox						
2	Specific Target Organ Tox Label Elements:	icity (single exposure), Category 3					
2	Specific Target Organ Tox Label Elements: GHS Signal Word:						
2	Specific Target Organ Tox Label Elements: GHS Signal Word: GHS Hazard Phrases:	icity (single exposure), Category 3 Warning					
2	Specific Target Organ Tox Label Elements: GHS Signal Word: GHS Hazard Phrases: H315: Causes skin irritation.	icity (single exposure), Category 3 Warning					
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2	Specific Target Organ Tox Label Elements: GHS Signal Word: GHS Hazard Phrases: H315: Causes skin irritation. H319: Causes serious eye ir H335: May cause respiratory	icity (single exposure), Category 3 Warning					
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2	Specific Target Organ Tox Label Elements: GHS Signal Word: GHS Hazard Phrases: H315: Causes skin irritation. H319: Causes serious eye in H335: May cause respiratory GHS Precaution Phrases: P261: Avoid breathing {dust/	icity (single exposure), Category 3 Warning ritation. / irritation.					
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Revision: 01/13/2019 2.3 Adverse Human Health Causes serious eye irritation. Causes skin irritation. Effects and Symptoms: Material may be irritating to the mucous membranes and upper respiratory tract. May be harmful by inhalation, ingestion, or skin absorption. May cause respiratory system irritation. To the best of our knowledge, the toxicological properties have not been thoroughly investigated. Section 3. Composition/Information on Ingredients CAS #/ Hazardous Components (Chemical Name)/ Concentration EC No./ **GHS Classification RTECS # REACH Registration No.** EC Index No. 369651-88-7 Decanoyl-L-carnitine (chloride) 100.0 % NA Skin Corr. 2: H315 NA NA Eye Damage 2A: H319 STOT (SE) 3: H335 H336 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. Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined In Case of Eye Contact: 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. Section 5. Fire Fighting Measures 5.1 Suitable Extinguishing Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers. Media: Unsuitable Extinguishing A solid water stream may be inefficient. Media: 5.2 Flammable Properties and No data available. Hazards: No data available. Flash Pt: No data. LEL: No data. **Explosive Limits:** UEL: No data. **Autoignition Pt:** No data. 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.



Revision: 01/13/2019

		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,				
	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 For Contain spill and collect, as appropriate.					
	Containment and Cleaning	Transfer to a chemical waste container for disposal in accordance with local regulations.				
	Up:					
		Section 7. Handling and Storage				
7.1	Precautions To Be Taken	Avoid breathing dust/fume/gas/mist/vapours/spray.				
	in Handling:	Avoid prolonged or repeated exposure.				
7.2	Precautions To Be Taken	Keep container tightly closed.				
	in Storing:	Store in accordance with information listed on the product insert.				
	Secti	on 8. Exposure Controls/Personal Protection				
8.1	Exposure Parameters:					
8.2	Exposure Controls:					
8.2.1	Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne				
	(Ventilation etc.):	levels below recommended exposure limits.				
8.2.2	Personal protection equipment:					
	Eye Protection:	Safety glasses				
	Protective Gloves:	tive Gloves: Compatible chemical-resistant gloves				
	Other Protective Clothing:Lab coat					
	Respiratory Equipment	NIOSH approved respirator, as conditions warrant.				
	(Specify Type):					
	Work/Hygienic/Maintenan					
		Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower.				
		Wash thoroughly after handling.				
		No data available.				
	Se	ction 9. Physical and Chemical Properties				
9.1	Information on Basic Physi	cal and Chemical Properties				
	Physical States:	[]Gas []Liquid [X]Solid				
	Appearance and Odor:	A crystalline solid				
	pH:	No data.				
	Melting Point:	No data.				
	Boiling Point:	No data.				
	Flash Pt:	No data.				
	Evaporation Rate:	No data.				
	Flammability (solid, gas):	No data available.				
	Explosive Limits:	LEL: No data. UEL: No data.				
	Vapor Pressure (vs. Air or	mm No data.				
	Hg): Venez Density (ve. Air – 1)	No data				
	Vapor Density (vs. Air = 1)	No data.				
		Multi-region forma				



Revision: 01/13/2019

	Specific Gravity (Water =	1): N	o data.				
	Solubility in Water:	N	o data.				
	Solubility Notes:	~2	20 mg/ml in EtOH & DMF; ~14 n	ng/ml in DM	SO;		
	Octanol/Water Partition	N	o data.				
	Coefficient:						
	Autoignition Pt:	N	o data.				
	Decomposition Temperat		o data.				
	Viscosity:		o data.				
9.2	Other Information						
5.2	Percent Volatile:	NL	o data.				
	Molecular Formula & Weig		17H34NO4 • Cl 351.9				
		Sec	ction 10. Stability and	d Reacti	vity		
10.1	Reactivity:	No data a	vailable.				
10.2	Stability:	Unstable	[] Stable [X]				
10.3	Stability Note(s):	Stable if s	stored in accordance with inform	ation listed	on the product	insert.	
	Polymerization:	Will occur	·[] Will not occur [X]				
10.4	Conditions To Avoid: No data available.						
10.5							
	To Avoid:	5					
10.6	Hazardous	carbon di	oxide				
	Decomposition or	carbon m					
	Byproducts:	nitrogen o					
	Byproducts.	phosgene					
		Sect	ion 11 Toxicological	Inform	otion		
			ion 11. Toxicological				
11.1	Information on	The toxic	ological effects of this product h	ave not bee	n thoroughly st	udied.	
	Toxicological Effects:						
Carcir	nogenicity:	NTP? No	IARC Monographs? No	OSHA R	egulated? No		
CAS #	# Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA
3696	51-88-7 Decanoyl-L-carnit	tine (chlori	de)	n.a.	n.a.	n.a.	n.a.
		<u> </u>	ation 12 Foological	nform of			
			ction 12. Ecological I	nioma			
12.1	Toxicity:		ease into the environment.				
		Runoff fro	om fire control or dilution water r	nay cause p	ollution.		
12.2	Persistence and	No data a	vailable.				
	Degradability:						
12.3	Bioaccumulative	No data a	vailable.				
	Potential:						
12.4	Mobility in Soil:	No data a	vailable.				
12.5	Results of PBT and vPvB	No data a	available.				
	assessment:						
12.6	Other adverse effects:	No data a	available.				
1							



13.1 Waste Dis	nosal Method:			ions			
		Dispose in accordance with loca	al, state, and federal r	egulations.			
		Section 14. Trans	sport Informat	ion			
14.1 LAND TR	ANSPORT (US D	DOT):					
DOT Proper Shipping Name		Not dangerous goods.					
DOT Hazard							
UN/NA Num							
	ANSPORT (Euro ipping Name:	Not dangerous goods.					
UN Number:		Not dangerous goods.					
Hazard Class							
14.3 AIR TRAI	NSPORT (ICAO/I	ATA):					
ICAO/IATA S	Shipping Name:	Not dangerous goods.					
Additional Trans	sport	Transport in accordance with lo	cal, state, and federa	l regulations.			
Information:							
		Section 15. Regul	atory Information	tion			
EPA SARA (Sup	erfund Amendm	ents and Reauthorization Act of	of 1986) Lists				
CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)		
369651-88-7	Decanoyl-L-carnit	ine (chloride)	No	No	No		
CAS #	Hazardous Com	opponents (Chemical Name) Other US EPA or State Lists itine (chloride) CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No PROP.65: No					
369651-88-7	Decanoyl-L-carnit						
Regulatory Infor Statement:	mation	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.					
		Section 16. Oth	ner Information	า			
Revision Date:		01/13/2019					
Additional Inform	nation About	No data available.					
This Product:							
Company Policy or Disclaimer:		DISCLAIMER: This information currently available to us. Howev express or implied, with respect use. Users should make their o their particular purposes.	er, we make no warra to such information, a	anty of merchanta and we assume n	ability or any other warran no liability resulting from i		

Multi-region format