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S Signal Word: S Hazard Phrases:	None											
S Hazard Phrases:	None											
ed on evaluation of curr				GHS Hazard Phrases:								
	Based on evaluation of currently available data this substance or mixture is not classifiable according to GHS.											
GHS Precaution Phrases:												
No phrases apply.												
GHS Response Phrases:												
No phrases apply.												
GHS Storage and Disposal Phrases:												
Please refer to Section 7 for Storage and Section 13 for Disposal information.												
			••	spiratory tract.								
				t been thoroughly investigated.								
		· · · ·	•									
1	-	momation		111.5								
	Hazardous Components (Chemical Name)/ REACH Registration No.		EC No./ EC Index No.	GHS Classification								
2-Methylbutyryl-L-carni	itine-d3 (chloride)	100.0 %	NA NA	No data available.								
2	erse Human Health	erse Human Health Material may be irritating to t ets and Symptoms: May be harmful by inhalation May cause eye, skin, or resp To the best of our knowledge Section 3. Composition Hazardous Components (Chemical Name)/	erse Human Health Material may be irritating to the mucous membra ets and Symptoms: May be harmful by inhalation, ingestion, or skin May cause eye, skin, or respiratory system irrita To the best of our knowledge, the toxicological p Section 3. Composition/Information Hazardous Components (Chemical Name)/ Concentration REACH Registration No. Concentration	erse Human Health Material may be irritating to the mucous membranes and upper rest 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 no Section 3. Composition/Information on Ingredie Hazardous Components (Chemical Name)/ REACH Registration No. Concentration EC No./ EC Index No. 2-Methylbutyryl-L-carnitine-d3 (chloride) 100.0 % NA								



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		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.
		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 Media:	g A solid water stream may be inefficient.
5.2	Flammable Properties ar Hazards:	IdNo data available.
		No data available.
	Flash Pt:	No data.
	Explosive Limits:	LEL: No data. UEL: No data.
	Autoignition Pt:	No data.
5.3	Fire Fighting Instructions	s: 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.
		Section 6. Accidental Release Measures
6.1	Protective Precautions,	Avoid breathing vapors and provide adequate ventilation.
	Protective Equipment an	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		r Contain spill and collect, as appropriate.
	Containment and Cleanin	ngTransfer to a chemical waste container for disposal in accordance with local regulations.
	Up:	
		Section 7. Handling and Storage
7.1	Precautions To Be Taker	Avoid breathing dust/fume/gas/mist/vapours/spray.
	in Handling:	Avoid prolonged or repeated exposure.
7.2	Precautions To Be Taker	Keep container tightly closed.
	in Storing:	Store in accordance with information listed on the product insert.
	Sec	tion 8. Exposure Controls/Personal Protection
8.1	Exposure Parameters:	



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8.2 8.2.1	Exmension Controles							
8.2.1	Exposure Controls:	i i i i z ma a i i i i i i i i i i						
		process enclosures, local exhaust ventilation, or other engineering controls to control airborne Is below recommended exposure limits.						
	,							
8.2.2	ersonal protection equipment:							
	Eye Protection: Sa	/ glasses						
	Protective Gloves: Co	atible chemical-resistant gloves						
	Other Protective Clothing:Lab coat							
	Respiratory Equipment NI	H approved respirator, as conditions warrant.						
	(Specify Type):							
	Work/Hygienic/Maintenan Do	t take internally.						
	ce Practices: Fa	ities storing or utilizing this material should be equipped with an eyewash and a safety shower						
	W	Vash thoroughly after handling.						
	No	lo data available.						
	Sec	tion 9. Physical and Chemical Properties						
9.1	Information on Basic Physica	al and Chemical Properties						
	Physical States:	[]Gas []Liquid [X]Solid						
	Appearance and Odor:	A 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 m	Im No data.						
	Hg):							
	Vapor Density (vs. Air = 1):	No data.						
	Specific Gravity (Water = 1):	No data.						
	Solubility in Water:	No data.						
	Solubility Notes:	~25 mg/ml in EtOH; ~20 mg/ml in DMSO; ~15 mg/ml in DMF;						
	Octanol/Water Partition	No data.						
	Coefficient:							
	Autoignition Pt:	No data.						
	Decomposition Temperature							
	Viscosity:	No data.						
9.2	-							
9.2	Other Information Percent Volatile:	No data.						



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	Section 10. Stability and Reactivity									
10.1	Reactivit	y:	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	4 Conditions To Avoid: No data available.									
10.5	5 Incompatibility - Materials strong oxidizing agents									
	To Avoid:									
10.6	Hazardo	us	carbon dioxide							
	Decomp	osition or	carbon monoxide							
	Byprodu	cts:	nitrogen oxides							
	Section 11. Toxicological Information									
11.1	Informat		The toxicolo	gical effects of this product ha	ave not beer	n thoroughly st	udied.			
		gical Effects:								
Carci	nogenicity		NTP? No	IARC Monographs? No	OSHA Re	egulated? No				
CAS	#	Hazardous Com	ponents (Ch	emical Name)	NTP	IARC	ACGIH	OSHA		
	NA	2-Methylbutyryl-L	-carnitine-d3	(chloride)	n.a.	n.a.	n.a.	n.a.		
			Secti	on 12. Ecological I	nformat	ion				
12.1	Toxicity:		Avoid release into the environment.							
Runoff from fire control or dilution water may cause pollution.					ollution.					
12.2 Persistence and No data available.										
	Degrada	bility:								
12.3	Bioaccu	mulative	No data available.							
	Potentia	l:								
12.4	Mobility	in Soil:	No data available.							
12.5	Results	of PBT and vPvB	No data available.							
	assessment:									
12.6	Other ad	verse effects:	No data available.							
			Sectio	n 13. Disposal Cor	nsiderat	ions				
13.1	Waste D	isposal Method:	Dispose in a	ccordance with local, state, a	nd federal r	egulations.				
	Section 14. Transport Information									
14.1	LAND T	RANSPORT (US I	DOT):							
		Shipping Name:	-	gerous goods.						
	OT Hazaro									
u	JN/NA Num	nber:								
14.1	LAND T	RANSPORT (Euro	opean ADR/R	ID):						
A	DR/RID SI	nipping Name:	Not dan	gerous goods.						
u	JN Number	:								
н	lazard Clas	SS:								



14.3 AIR TRANSPORT (ICAO/IATA):								
ICAO/IATA Shipping Name: Not dangerous goods.								
		č	cal state and federal	l regulations				
Additional Transport Transport in accordance with local, state, and federal regulations.								
Section 15. Regulatory Information								
EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists								
CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)			
NA	2-Methylbutyryl-L	-carnitine-d3 (chloride)	No	No	No			
CAS #	Hazardous Com	ponents (Chemical Name) Other US EPA or State Lists						
NA	2-Methylbutyryl-L	carnitine-d3 (chloride)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No					
Regulatory Information		This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC)						
Statement:		No.1272/2008.						
Section 16. Other Information								
Revision Date:		01/19/2019						
Additional Information About		No data available.						
This Product:								
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.						