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Product Name:       Ginsenoside Rb3         Synonyms:       (3.beta.,12.beta.)-3-[(2-ObetaD-glucopyranosylbetaD-glucopyranosyl)oxy]-12-mar-24-en-20-yl 6-ObetaD-xylopyranosylbetaD-glucopyranoside; Ginsenoside         1.2       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.						
1.1       Product Code:       29005         Product Name:       Ginsenoside Rb3         Synonyms:       (3.beta.,12.beta.)-3-[(2-ObetaD-glucopyranosylbetaD-glucopyranosyl)oxy]-12-         mar-24-en-20-yl 6-ObetaD-xylopyranosylbetaD-glucopyranoside; Ginsenoside         1.2       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.         1.3       Details of the Supplier of the Safety Data Sheet:						
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<ul> <li>mar-24-en-20-yl 6-ObetaD-xylopyranosylbetaD-glucopyranoside; Ginsenoside</li> <li>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.</li> <li>Details of the Supplier of the Safety Data Sheet:</li> </ul>						
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Relevant identified uses:For research use only, not for human or veterinary use3Details of the Supplier of the Safety Data Sheet:						
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	Relevant identified uses: For research use only, not for human or veterinary use.					
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 number:						
Emergency Contact:CHEMTREC Within USA and Canada:+1 (800)424-9300						
CHEMTREC Outside USA and Canada: +1 (703)527-3887						
Section 2. Hazards Identification						
2.1 Classification of the Substance or Mixture:						
GHS Signal Word: Warning						
GHS Hazard Phrases:						
H302: Harmful if swallowed.						
GHS Precautionary Phrases:						
P264: Wash {hands} thoroughly after handling.						
GHS Response Phrases:						
P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P330: Rinse mouth.						
GHS Storage and Disposal Phrases:						
Please refer to Section 7 for Storage and Section 13 for Disposal information.						
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Please refer to Section 7 for Storage and Section 13 for Disposal information. UFI:						
UFI:						
UFI:						
UFI: .3 Adverse Human Health Harmful if swallowed.						
UFI:.3Adverse Human HealthHarmful if swallowed.Effects and Symptoms:Material may be irritating to the mucous membranes and upper respiratory tract.						
UFI:         2.3       Adverse Human Health       Harmful if swallowed.         Effects and Symptoms:       Material may be irritating to the mucous membranes and upper respiratory tract.         May be harmful by inhalation or skin absorption.	∺stigated.					
UFI: 2.3 Adverse Human Health Effects and Symptoms: Material may be irritating to the mucous membranes and upper respiratory tract. May be harmful by inhalation or skin absorption. May cause eye, skin, or respiratory system irritation.	estigated.					
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Multi-region format



Revision: 01/11/2020

		Sect	tion 3. Composition	/Information	on Ingredie	nts		
CAS RTEC		Hazardous Comp REACH Registra	oonents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	GHS Classification		
68406-26-8 Gins LZ5857000		Ginsenoside Rb3		100.0 %	683-242-5 NA	Acute Tox.(O) 4: H302		
			Section 4. Fi	rst Aid Measu	ures			
4.1	Descrip	otion of First Aid						
	Measur	'es:						
	In Case of Inhalation:		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 Skin Co		of Skin Contact:						
In Case of Eye Contact:		of Eye Contact:						
		- <b>f</b> la <b>f</b> la	and tested by medical personnel. Wash out mouth with water provided person is conscious. Never give anything by mouth to an					
	In Case	of Ingestion:		-	-	ng unless directed to do so by		
			medical personnel.					
			Section 5. Fire	Fighting Me				
5.1	Suitabl	o Extinguishing						
5.1	Media:	e Extinguishing	Use water spray to cool fire-e		or dry chemical spray.			
		able Extinguishing	A solid water stream may be	-				
	Media:		A solid water stream may be	memcient.				
5.2		able Properties an	<b>d</b> No data available.					
	Hazard	-						
	No data available.							
Flash Pt: No data.								
Explosive Limits: LEL: No data. UEL: No da			ata.					
	Autoig	nition Pt:	No data.					
5.3	Fire Fig	hting Instructions	:As in any fire, wear self-conta	ained breathing appa	aratus pressure-d	emand (NIOSH approved or		
			equivalent), and full protectiv	e gear to prevent co	ntact with skin an	d eyes.		
			Section 6. Acciden	Ital Release	Measures			
6.1	Protect	ive Precautions,	Avoid raising and breathing	dust, and provide ad	equate ventilation	۱.		
				-		eathing apparatus, or respirator,		
	Emerge	gency Procedures: and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).						
6.2	Enviror	nmental	Take steps to avoid release	into the environmen	t, if safe to do so.			
	Precau	tions:						
6.3			r Contain spill and collect, as					
	Containment and Cleaning Transfer to a chemical waste container for disposal in accordance with local regulations.					with local regulations.		
	Up:							
			Section 7. Har	ndling and Sto	orage			
7.1	Precau	tions To Be Taken	Avoid breathing dust/fume/gas/mist/vapours/spray.					
	in Hanc		Avoid prolonged or repeated exposure.					
7.2			Neep container tightly closed.					
	in Stori	ng:	Store in accordance with info	rmation listed on the	e product insert.			
						Multi-region format		



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	Secti	on 8. Exposure Controls/Personal Protection				
3.1	Exposure Parameters:					
3.2	Exposure Controls:					
3.2.1	-					
(Ventilation etc.): levels below recommended exposure limits.						
3.2.2	Personal protection equip					
		Safety glasses				
		Compatible chemical-resistant gloves				
	Other Protective Clothing:Lab coat					
	<b>Respiratory Equipment</b> NIOSH approved respirator, as conditions warrant.					
	(Specify Type):					
	Work/Hygienic/Maintenan	Do not take internally.				
		Facilities storing or utilizing this material should be equipped with an eyewash and a safety showed				
Wash thoroughly after handling.						
		No data available.				
	Se	ection 9. Physical and Chemical Properties				
9.1		ical and Chemical Properties				
		[]Gas []Liquid [X]Solid				
	Physical States: 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					
	Hg):					
	Vapor Density (vs. Air = 1)	: No data.				
	Specific Gravity (Water = 1					
	Solubility in Water:	No data.				
	Solubility Notes:	~1 mg/ml in PBS (pH 7.2); ~0.1 mg/ml in EtOH; ~10 mg/ml in DMSO; ~15 mg/ml in DMF;				
	Octanol/Water Partition	No data.				
	Coefficient:					
	Autoignition Pt:	No data.				
	Decomposition Temperatu					
	Viscosity:	No data.				
9.2	Other Information					
	Percent Volatile:	No data.				
	Molecular Formula & Weig					



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			Section 10. Stability and	Reactivi	ty			
10.1	Reactivit	ty:	No data available.					
10.2	Stability	:	Unstable [ ] Stable [ X ]					
10.3	Stability	Note(s):	Stable if stored in accordance with informa	ition listed on	the product	insert.		
	Polymer	ization:	Will occur [ ] Will not occur [ X ]					
10.4	Conditio	ns To Avoid:	No data available.					
10.5	Incompa	tibility - Materials	strong oxidizing agents					
	To Avoid:							
10.6	Hazardo	us	carbon dioxide					
	Decomp	osition or	carbon monoxide					
	Byprodu	cts:						
			Section 11. Toxicological	Informati	ion			
11.1	Informat	ion on	The toxicological effects of this product ha					
	Toxicolo	gical Effects:	Ginsenoside Rb3 - Toxicity Data: Intraperit	toneal LD50 (	mouse): 637	mg/kg;		
		Toxicological	Ginsenoside Rb3 - Investigated as a drug and natural product.					
	Effects:		Only select Registry of Toxic Effects of Ch		ances (RTEC	CS) data is pre	sented here.	
			See actual entry in RTECS for complete in Ginsenoside Rb3 RTECS Number: LZ585					
CAS #	u l			<b>.</b>		A00!!!	OSHA	
	<del>7</del> )6-26-8	Ginsenoside Rb3	ponents (Chemical Name)	NTP n.a.	n.a.	ACGIH n.a.	n.a.	
0040	0 20 0					11.0.	11.0.	
			Section 12. Ecological Ir	ntormatio	n			
12.1	Toxicity:		Avoid release into the environment.					
			Runoff from fire control or dilution water ma	ay cause poll	ution.			
12.2	Persiste		No data available.					
	Degrada	bility:						
12.3	Bioaccu		No data available.					
	Potentia							
12.4	Mobility	in Soil:	No data available.					
12.5	Results	of PBT and vPvB	No data available.					
	assessm	ient:						
12.6	Other ad	verse effects:	No data available.					
			Section 13. Disposal Con					
13.1	Waste Di	isposal Method:	Dispose in accordance with local, state, ar	nd federal reg	ulations.			
			Section 14. Transport Ir	nformatio	n			
14.1	LAND TR	RANSPORT (US D	ЮТ):					
D	OT Proper	Shipping Name:	Not dangerous goods.					
D	OT Hazard	l Class:						
U	N/NA Num	ber:						
14.1	LAND T	RANSPORT (Euro	pean ADR/RID):					
A	DR/RID Sh	ipping Name:	Not dangerous goods.					
U	N Number	:						
На	azard Clas	S:						
						Ν	Iulti-region forn	

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14.3 AIR TRANSPORT (ICAO/IATA):							
ΙCΑΟ/ΙΑΤΑ	Shipping Name:	Not dangerous goods.					
UN Number:		Packing Group:					
Hazard Class:							
Additional Transport		Transport in accordance with local, state, and federal regulations.					
Information:							
		Section 15. Regul	latory Informa	ation			
EPA SARA (Sı	uperfund Amendm	nents and Reauthorization Act	of 1986) Lists				
CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)		
68406-26-8	Ginsenoside Rb3	3	No	No	No		
CAS #	Hazardous Com	zardous Components (Chemical Name) Other US EPA or State Lists					
68406-26-8	Ginsenoside Rb3		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. Oth	ner Informatio	on			
Revision Date:		01/11/2020					
Additional Info	rmation 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.					