

SAFETY DATA SHEET Ganglioside GD1b (sodium salt)

Multi-region format

Revision: 05/21/2016

				nce/Mixture and of	i uic company/U	naortaning		
					1 5	5		
.1	Product		19569					
	Product		•	anglioside GD1b (sodium salt) anglioside GD1b, disodium salt; Ganglioside C1; Ganglioside G2;				
	Synony					9 62,		
.2			of the substance or mixture a		-			
	Releva	ant identified uses	: For research use only, no	ot for human or vete	erinary use.			
.3	Details of the Supplier of the Safety Data Sheet:							
	Company Name:		Cayman Chemical Company					
			1180 E. Ellsworth Rd.					
	Wob a	site address:	Ann Arbor, MI 48108 www.caymanchem.com					
			•	anv	±1 (73	1)071-3335		
	-			n Chemical Company +1 (734)971-3335				
.4	-	ency telephone nui		and Canada:	.4 /00	00)424 0200		
	• •		CHEMTREC Within USA		+1 (80	00)424-9300		
			CHEMTREC Outside LIS		1 (70	21577 2007		
			CHEMTREC Outside US		•	3)527-3887		
			CHEMTREC Outside US		•)3)527-3887		
2.1	Classifi	cation of the Subs	Section 2. Ha		•	93)527-3887		
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	Label E GHS S	lements:	Section 2. Ha: tance or Mixture:		•)3)527-3887		
	Label E GHS S GHS I	lements: Signal Word: Hazard Phrases:	Section 2. Ha: tance or Mixture:	zards Identifi	ication			
	Label E GHS S GHS I Based	lements: Signal Word: Hazard Phrases:	Section 2. Ha: tance or Mixture: None	zards Identifi	ication			
	Label E GHS S GHS I Based GHS I	lements: Signal Word: Hazard Phrases: d on evaluation of cu	Section 2. Ha: tance or Mixture: None	zards Identifi	ication			
	Label E GHS S GHS I Based GHS I No ph	lements: Signal Word: Hazard Phrases: d on evaluation of cu Precaution Phrase	Section 2. Ha: tance or Mixture: None urrently available data this sub s:	zards Identifi	ication			
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2.2	Label E GHS S GHS I Based GHS I No ph GHS S Please Advers	lements: Signal Word: Hazard Phrases: d on evaluation of co Precaution Phrases arases apply. Response Phrases arases apply. Storage and Disponse e refer to Section 7	Section 2. Ha: tance or Mixture: None urrently available data this sub s: s: sal Phrases: for Storage and Section 13 for Material may be irritating to t	zards Identifi stance or mixture is Disposal information he mucous membra	on. anes and upper res	ccording to GHS.		
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2.2	Label E GHS S GHS I Based GHS I No ph GHS S Please Advers Effects	lements: Signal Word: Hazard Phrases: d on evaluation of cu Precaution Phrases trases apply. Response Phrases trases apply. Storage and Dispo e refer to Section 7 se Human Health and Symptoms:	Section 2. Ha: tance or Mixture: None urrently available data this sub s: sal Phrases: for Storage and Section 13 for Material may be irritating to t May be harmful by inhalation May cause eye, skin, or resp To the best of our knowledge ion 3. Composition bonents (Chemical Name)/	zards Identifi stance or mixture is bisposal information he mucous membra i, ingestion, or skin iratory system irrita e, the toxicological p	on. anes and upper res absorption. tion.	ccording to GHS. spiratory tract. t been thoroughly investigate		
2.2 2.3 CAS	Label E GHS S GHS I Based GHS I No ph GHS S Please Advers Effects	lements: Signal Word: Hazard Phrases: d on evaluation of co Precaution Phrases arases apply. Response Phrases arases apply. Storage and Disponent e refer to Section 7 se Human Health and Symptoms: Section Section Mazardous Comp	Section 2. Ha: tance or Mixture: None urrently available data this sub s: sal Phrases: for Storage and Section 13 for Material may be irritating to t May be harmful by inhalation May cause eye, skin, or resp To the best of our knowledge ion 3. Composition bonents (Chemical Name)/ tion No.	zards Identifi stance or mixture is bisposal information he mucous membra i, ingestion, or skin iratory system irrita e, the toxicological p /Information	on. anes and upper res absorption. tion. oroperties have not ON INGREDIE	ccording to GHS. spiratory tract. t been thoroughly investigate nts		



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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:	A solid water stream may be inefficient.
5.2	Flammable Properties an	dNo data available.
	Hazards:	
		No data available.
	Flash Pt:	No data.
	Explosive Limits:	LEL: No data. 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.
		Section 6. Accidental Release Measures
6.1	Protective Precautions, Protective Equipment and	Avoid raising and breathing dust, and provide adequate ventilation. 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 Precautions:	Take steps to avoid release into the environment, if safe to do so.
6.3	Methods and Material For	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 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.
	Other Precautions:	Hygroscopic
1		



CAS # Partial Chemical Name		Britain EH40	Britain EH40	France VL	Europe			
19553-76-5 II3(Neu5Ac)2GgOse4 Ce		eramide, 2NH4	No data.	No data.	No data.			
CAS # Partial Chemical Name			OSHA TWA	ACGIH TWA	Other Limits			
195	53-76-5	II3(Neu5Ac)2GgOse4 Ce	eramide, 2NH4	No data.	No data.	No data.		
3.2	Exposure	e Controls:				ł		
8.2.1	Enginee	ring Controls Use p	Use process enclosures, local exhaust ventilation, or other engineering controls to control a					
	(Ventilat	(Ventilation etc.): levels below recommended exposure limits.						
3.2.2	Persona	I protection equipment:						
	Eye Prot	ection: Safety	/ glasses					
	Protectiv	ve Gloves: Comp	atible chemical-	resistant gloves				
	Other Pr	otective Clothing:Lab co	oat					
	Respirat	ory Equipment NIOS	H approved resp	oirator, as conditions w	arrant.			
	(Specify	(Specify Type):						
	Work/Hy	Work/Hygienic/Maintenan Do not take internally.						
	ce Practi	Practices: Facilities storing or utilizing this material should be equipped with an eyewash and a safety showe						
		147 1	the survey of th					
		wash	thoroughly afte	r handling.				
			thoroughly afte ta available.	r handling.				
		No da	ta available.	ical and Chem	ical Properties			
0.1	Informati	No da	ta available. n 9. Phys	ical and Chem	ical Properties			
9.1	Informati Physical	No da Sectio on on Basic Physical ar	ta available. n 9. Phys nd Chemical Pr	ical and Chem	ical Properties			
).1	Physical	No da Sectio on on Basic Physical ar	ta available. n 9. Phys nd Chemical Pr	ical and Chem operties	ical Properties			
0.1	Physical	No da Sectio on on Basic Physical ar States: nce and Odor:	ta available. n 9. Phys nd Chemical Pr []Gas [ical and Chem operties	ical Properties			
0.1	Physical Appeara	No da Sectio on on Basic Physical ar States: nce and Odor: Point:	ta available. n 9. Phys nd Chemical Pr []Gas [A lyophilized p	ical and Chem operties	ical Properties			
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0.1	Physical Appeara Melting I Boiling F Flash Pt Evapora	No da Sectio on on Basic Physical ar States: nce and Odor: Point: Point: : tion Rate:	ta available. n 9. Phys nd Chemical Pr [] Gas [A lyophilized p No data. No data. No data. No data. No data.	ical and Chem roperties] Liquid [X] Solid powder	ical Properties			
).1	Physical Appeara Melting I Boiling F Flash Pt Evapora	No da Sectio on on Basic Physical ar States: nce and Odor: Point: Point:	ta available. n 9. Phys d Chemical Pr [] Gas [A lyophilized p No data. No data. No data.	ical and Chem roperties] Liquid [X] Solid powder	ical Properties			
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.1	Physical Appeara Melting I Boiling F Flash Pt Evapora Flammal Explosiv Vapor Pr	No da Sectio on on Basic Physical ar States: nce and Odor: Point: Point: : tion Rate: poility (solid, gas):	ta available. n 9. Phys d Chemical Pr [] Gas [A lyophilized p No data. No data. No data. No data. No data. No data. No data.	ical and Chem operties] Liquid [X] Solid bowder				
.1	Physical Appeara Melting I Boiling F Flash Pt: Evapora Flammal Explosiv Vapor Pr Hg):	No da Sectio on on Basic Physical ar States: nce and Odor: Point: Point: tion Rate: bility (solid, gas): re Limits: ressure (vs. Air or mm	ta available. n 9. Phys nd Chemical Pr [] Gas [A lyophilized p No data. No data.	ical and Chem operties] Liquid [X] Solid bowder				
.1	Physical Appeara Melting I Boiling F Flash Pt: Evapora Flammal Explosiv Vapor Pr Hg):	No da Sectio on on Basic Physical ar States: nce and Odor: Point: Point: ition Rate: bility (solid, gas): re Limits:	ta available. n 9. Phys d Chemical Pr [] Gas [A lyophilized p No data. No data. No data. No data. No data. No data availa LEL: No data	ical and Chem operties] Liquid [X] Solid bowder				
.1	Physical Appeara Melting I Boiling F Flash Pt Evapora Flammal Explosiv Vapor Pr Hg): Vapor Do Specific	No da Sectio on on Basic Physical ar States: nce and Odor: Point: Point: tion Rate: bility (solid, gas): re Limits: ressure (vs. Air or mm ensity (vs. Air = 1): Gravity (Water = 1):	ta available. n 9. Phys d Chemical Pr [] Gas [A lyophilized p No data. No data. No data. No data. No data availa LEL: No data No data. No data. No data. No data. No data.	ical and Chem operties] Liquid [X] Solid bowder				
0.1	Physical Appeara Melting I Boiling F Flash Pt: Evapora Flammal Explosiv Vapor Pr Hg): Vapor Do Specific Solubilit	No da Sectio on on Basic Physical ar States: nce and Odor: Point: Point: tion Rate: bility (solid, gas): re Limits: ressure (vs. Air or mm ensity (vs. Air = 1): Gravity (Water = 1): y in Water:	ta available. n 9. Phys d Chemical Pr []Gas [A lyophilized p No data. No data. No data. No data availa LEL: No data No data. No data. No data. No data. No data. No data. No data. No data. No data.	ical and Chem roperties] Liquid [X] Solid bowder	UEL: No data.			
.1	Physical Appeara Melting I Boiling F Flash Pt Evapora Flammal Explosiv Vapor Pr Hg): Vapor Do Specific	No da Sectio on on Basic Physical ar States: nce and Odor: Point: Point: tion Rate: bility (solid, gas): re Limits: ressure (vs. Air or mm ensity (vs. Air = 1): Gravity (Water = 1): y in Water:	ta available. n 9. Phys d Chemical Pr []Gas [A lyophilized p No data. No data. No data. No data availa LEL: No data No data. No data. No data. No data. No data. No data. No data. No data. No data.	ical and Chem operties] Liquid [X] Solid bowder	UEL: No data.			



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9.2	Other Inf	ormation						
	Percent	Volatile:	No data.					
	Molecula	ar Formula & Wei	ght: C84H146N4O39 • 2Na 18	82.1				
			Section 10. Stability ar	nd Reactiv	vity			
10.1	Reactivit	ty:	No data available.					
10.2	-							
10.3	Stability	Note(s):	Stable if stored in accordance with info	rmation listed o	on the product	insert.		
	Polymer	ization:	Will occur [] Will not occur [X]					
10.4	Conditio	ns To Avoid:	Protect from moisture.					
10.5	5 Incompatibility - Materials strong oxidizing agents							
To Avoid:								
10.6	Hazardo		carbon dioxide					
	-	osition or	carbon monoxide					
-	Byprodu	icts:						
			Section 11. Toxicologic	al Informa	ation			
11.1	Informat	ion on	The toxicological effects of this product	have not beer	n thoroughly st	tudied.		
	Toxicolo	gical Effects:						
CAS	#	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
1958	53-76-5	II3(Neu5Ac)2GgC	Ose4 Ceramide, 2NH4	n.a.	n.a.	n.a.	n.a.	
		·	Section 12. Ecological	Informat	ion			
12.1	Toxicity:		Avoid release into the environment.					
	-		Runoff from fire control or dilution wate	r may cause po	ollution.			
12.2	Persiste	nce 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.							
	assessm	nent:						
12.6	Other ad	verse effects:	No data available.					
			Section 13. Disposal C	onsiderati	ions			
13.1	Waste D	isposal Method:	Dispose in accordance with local, state	, and federal re	egulations.			
			Section 14. Transport	: Informat	ion			
14.1	LAND T	RANSPORT (US I	DOT):					
D	OT Prope	r Shipping Name:	Not dangerous goods.					
	OT Hazaro							
U	N/NA Num	nber:						
14.1	LAND T	RANSPORT (Euro	opean ADR/RID):					
A	DR/RID SI	hipping Name:	Not dangerous goods.					
U U	N Number							
н	azard Clas	ss:						
						N	Iulti-region forma	



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ICAO/IATA Shipping Name:

: Not dangerous goods.

Additional Transport Transport in accordance with local, state, and federal regulations.

Information:

Section 15. Regulatory Information

CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
19553-76-5	II3(Neu5Ac)2GgOse4 Ceramide, 2NH4		No	No	No	
CAS #	Hazardous Components (Chemical Name)		Other US EPA or State Lists			
19553-76-5	II3(Neu5Ac)2GgOse4 Ceramide, 2NH4		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
Regulatory Information Statement:		This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.				
		Section 16. Ot	her Informatic	n		
Revision Date:		05/21/2016				
Additional Information About		No data available.				
Additional Information About This Product: Company Policy or Disclaimer:		DISCLAIMER: This information currently available to us. Howe express or implied, with respec- use. Users should make their of their particular purposes.	ver, we make no war t to such information	ranty of merchanta and we assume n	bility or any other warranty o liability resulting from its	