

Page: 1 of 5

Revision: 03/28/2019

Section 1 ct Code: ct Name: byms: ant identified uses vant identified use	f the Safety Data Sheet: Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 www.caymanchem.com Cayman Chemical Company	he Company/Undertaking roxydammar-24-en-3.betayl ranoside; j <b>ainst:</b>
ct Code: ct Name: nyms: ant identified uses vant identified uses s of the Supplier o pany Name: site address: mation: jency telephone n	15329 Ginsenoside Rd 20-(.betaD-glucopyranosyloxy)-12.betahydr 2-ObetaD-glucopyranosylbetaD-glucopyr of the substance or mixture and uses advised ag es: For research use only, not for human or veterin f the Safety Data Sheet: Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 www.caymanchem.com Cayman Chemical Company	roxydammar-24-en-3.betayl ranoside; <b>jainst:</b> nary use. +1 (734)971-3335 +1 (800)424-9300
ct Name: ant identified uses vant identified uses vant identified use s of the Supplier o pany Name: site address: mation: jency telephone n	Ginsenoside Rd 20-(.betaD-glucopyranosyloxy)-12.betahydr 2-ObetaD-glucopyranosylbetaD-glucopyr of the substance or mixture and uses advised ag es: For research use only, not for human or veterin f the Safety Data Sheet: Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 www.caymanchem.com Cayman Chemical Company	ranoside; <b>jainst:</b> nary use. +1 (734)971-3335 +1 (800)424-9300
vant identified use s of the Supplier o pany Name: site address: mation: jency telephone n	of the substance or mixture and uses advised ag es: For research use only, not for human or veterin f the Safety Data Sheet: Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 www.caymanchem.com Cayman Chemical Company umber: CHEMTREC Within USA and Canada:	<b>Jainst:</b> nary use. +1 (734)971-3335 +1 (800)424-9300
vant identified use s of the Supplier o pany Name: site address: mation: jency telephone n	es: For research use only, not for human or veterin f the Safety Data Sheet: Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 www.caymanchem.com Cayman Chemical Company umber: CHEMTREC Within USA and Canada:	nary use. +1 (734)971-3335 +1 (800)424-9300
pany Name: site address: mation: jency telephone n	f the Safety Data Sheet: Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 www.caymanchem.com Cayman Chemical Company umber: CHEMTREC Within USA and Canada:	+1 (734)971-3335 +1 (800)424-9300
pany Name: site address: mation: jency telephone n	Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 www.caymanchem.com Cayman Chemical Company umber: CHEMTREC Within USA and Canada:	+1 (800)424-9300
mation: Jency telephone n	Cayman Chemical Company umber: CHEMTREC Within USA and Canada:	+1 (800)424-9300
jency telephone n	umber: CHEMTREC Within USA and Canada:	+1 (800)424-9300
	CHEMTREC Within USA and Canada:	
	Section 2. Hazards Identific	
	estance or Mixture:	
·		
Response Phrase	es: proughly after handling. es:	
): Rinse mouth.		you feel unwell.
se numan nearth		on.
S S	: Rinse mouth. <b>Storage and Disp</b> se refer to Section : <b>se Human Health</b>	Storage and Disposal Phrases:se refer to Section 7 for Storage and Section 13 for Disposal informationse Human HealthHarmful if swallowed.s and Symptoms:Material may be irritating to the mucous membranMay be harmful by inhalation or skin absorption.May cause eye, skin, or respiratory system irritation

Multi-region format



Revision: 03/28/2019 Supersedes Revision: 11/26/2014

nents (Chemical Name)/ n No. nosyl-(3.beta.,12.beta.)-20-(.	Concentration	EC No./	GHS Classification		
nosyl-(3.beta.,12.beta.)-20-(.		EC Index No.			
oxy)-12-hydroxydammara-24- yrano	100.0 %	258-118-5 NA	Acute Tox.(O) 4: H302		
Section 4. Fi	rst Aid Measu	ires			
4.1 Description of First Aid Measures:					
emove to fresh air. If not bro et immediate medical attent		respiration or giv	ve oxygen by trained personnel		
nmediately wash skin with s othing. Get medical attentio			i minutes. Remove contaminat		
old eyelids apart and flush end tested by medical persor		ater for at least 1	5 minutes. Have eyes examine		
/ash out mouth with water p nconscious person. Get me nedical personnel.		•	ve anything by mouth to an ng unless directed to do so by		
Section 5. Fire	Fighting Mea	sures			
lse alcohol-resistant foam, o lse water spray to cool fire-o solid water stream may be	exposed containers.	, or dry chemical	spray.		
lo data available.					
lo data available.					
lo data.					
EL: No data.	UEL: No da	ta.			
lo data.					
s in any fire, wear self-conta quivalent), and full protectiv		-	emand (NIOSH approved or deves.		
Section 6. Accider	tal Release N	leasures			
Avoid raising and breathing As conditions warrant, wear and appropriate personal pro	a NIOSH approved s	elf-contained bre	eathing apparatus, or respirator		
Take steps to avoid release	into the environment	, if safe to do so.			
Contain spill and collect, as Fransfer to a chemical waste		al in accordance	with local regulations.		
			Contain spill and collect, as appropriate.		



Revision: 03/28/2019 Supersedes Revision: 11/26/2014

i: Avoi s To Be Taken Keep Store Section arameters: ontrols: g Controls Use etc.): level rotection equipmen tion: Safe	8. Exposure Cont	
s To Be Taken Keep Store Section arameters: ontrols: g Controls Use etc.): level rotection equipmen tion: Safe	o container tightly closed. e in accordance with information <b>8. Exposure Cont</b> process enclosures, local ex	tion listed on the product insert.
Store Section arameters: ontrols: g Controls Use etc.): level rotection equipmen tion: Safe	e in accordance with information 8. Exposure Cont	· · · · · · · · · · · · · · · · · · ·
Section arameters: ontrols: g Controls Use etc.): level rotection equipmen tion: Safe	8. Exposure Cont	· · · · · · · · · · · · · · · · · · ·
arameters: ontrols: g Controls Use etc.): leve rotection equipmen tion: Safe	process enclosures, local ex	rols/Personal Protection
ontrols: g Controls Use etc.): level rotection equipmen tion: Safe	-	
g Controls Use etc.): level rotection equipmen tion: Safe	-	
etc.): level rotection equipmen tion: Safe	-	
ti <b>on:</b> Safe	r -	haust ventilation, or other engineering controls to control airborne sure limits.
	t:	
	ty glasses	
Gloves: Corr	patible chemical-resistant glo	oves
ective Clothing:Lab	coat	
v Equipment NIO	SH approved respirator, as c	onditions warrant.
pe):		
enic/Maintenan Do r	ot take internally.	
<b>s:</b> Faci	ities storing or utilizing this m	naterial should be equipped with an eyewash and a safety showe
Was	h thoroughly after handling.	
No c	ata available.	
Secti	on 9. Physical and	d Chemical Properties
	and Chemical Properties	· · · · · · · · · · · · · · · · · · ·
ates:	[]Gas []Liquid	[ X ] Solid
e and Odor:	A crystalline solid	
	No data.	
nt:	No data.	
nt:	No data.	
	No data.	
n Rate:	No data.	
ty (solid, gas):	No data available.	
.imits:	LEL: No data.	UEL: No data.
sure (vs. Air or mm	No data.	
sity (vs. Air = 1):	No data.	
avity (Water = 1):	No data.	
	No data.	
n Water:	~0.5 mg/ml in a 1:1 solutio ~20 mg/ml in DMF;	on of DMF:PBS (pH 7.2); ~5 mg/ml in EtOH; ~15 mg/ml in DMSO
n Water: lotes:	No data.	
-		~0.5 mg/ml in a 1:1 solutio ~20 mg/ml in DMF;



Revision: 03/28/2019 Supersedes Revision: 11/26/2014

9.2	Autoignition Pt:	No data.						
9.2		NU Uala.						
9.2	Decomposition Tempera	ature: No data.						
9.2	Viscosity:	No data.						
	Other Information							
	Percent Volatile:	No data.						
	Molecular Formula & We	eight: C48H82O18 947.2						
		Section 10. Stability and	l Reacti	vity				
10.1	Reactivity:	No data available.						
10.2	Stability:	Unstable [ ] Stable [ X ]						
10.3	Stability Note(s):	Stable if 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	Incompatibility - Materia	Is strong oxidizing agents						
	To Avoid:							
10.6	Hazardous	carbon dioxide						
	Decomposition or	carbon monoxide	carbon monoxide					
	Byproducts:							
		Section 11. Toxicological	Informa	ation				
11.1	Information on	The toxicological effects of this product ha	ave not beel	n thoroughly st	udied.			
	Toxicological Effects:	Ginsenoside Rd - Toxicity Data: Intraperitoneal LD50 (mouse): 324 mg/kg;						
	Chronic Toxicological	Ginsenoside Rd - Investigated as a drug	and natural	product.				
	Effects:	Only select Registry of Toxic Effects of Cl		-	CS) data is pre	sented here		
			Cimcal Out					
		See actual entry in RTECS for complete i						
			nformation.					
CAS #	# Hazardous Co	See actual entry in RTECS for complete i	nformation.	IARC	ACGIH	OSHA		
	05-93-8 2-ObetaD-GI	See actual entry in RTECS for complete i Ginsenoside Rd RTECS Number: LZ5858 nponents (Chemical Name) ucopyranosyl-(3.beta.,12.beta.)-20-(.betaD	nformation. 3000		ACGIH n.a.			
	05-93-8 2-ObetaD-GI -glucopyranosyl	See actual entry in RTECS for complete i Ginsenoside Rd RTECS Number: LZ5858 nponents (Chemical Name)	nformation. 3000 NTP	IARC		OSHA		
	05-93-8 2-ObetaD-GI	See actual entry in RTECS for complete i Ginsenoside Rd RTECS Number: LZ5858 nponents (Chemical Name) ucopyranosyl-(3.beta.,12.beta.)-20-(.betaD	nformation. 3000 NTP	IARC		OSHA		
	05-93-8 2-ObetaD-GI -glucopyranosyl	See actual entry in RTECS for complete i Ginsenoside Rd RTECS Number: LZ5858 nponents (Chemical Name) ucopyranosyl-(3.beta.,12.beta.)-20-(.betaD	nformation. 3000 NTP n.a.	n.a.		OSHA		
	05-93-8 2-ObetaD-GI -glucopyranosyl	See actual entry in RTECS for complete i Ginsenoside Rd RTECS Number: LZ5858 nponents (Chemical Name) ucopyranosyl-(3.beta.,12.beta.)-20-(.betaD oxy)-12-hydroxydammara-24-en-3-ylbeta	nformation. 3000 NTP n.a.	n.a.		OSHA		
5270	05-93-8 2-ObetaD-GI -glucopyranosyl D-glucopyrano	See actual entry in RTECS for complete i Ginsenoside Rd RTECS Number: LZ5858 mponents (Chemical Name) ucopyranosyl-(3.beta.,12.beta.)-20-(.betaD oxy)-12-hydroxydammara-24-en-3-ylbeta Section 12. Ecological I	nformation. 3000 NTP n.a. nformat	IARC n.a.		OSHA		
5270	05-93-8 2-ObetaD-GI -glucopyranosyl D-glucopyrano	See actual entry in RTECS for complete i Ginsenoside Rd RTECS Number: LZ5858 nponents (Chemical Name) ucopyranosyl-(3.beta.,12.beta.)-20-(.betaD oxy)-12-hydroxydammara-24-en-3-ylbeta Section 12. Ecological I Avoid release into the environment.	nformation. 3000 NTP n.a. nformat	IARC n.a.		OSHA		
5270 12.1	05-93-8 2-ObetaD-Gl -glucopyranosyl D-glucopyrano	See actual entry in RTECS for complete i Ginsenoside Rd RTECS Number: LZ5858 nponents (Chemical Name) ucopyranosyl-(3.beta.,12.beta.)-20-(.betaD oxy)-12-hydroxydammara-24-en-3-ylbeta Section 12. Ecological I Avoid release into the environment. Runoff from fire control or dilution water n	nformation. 3000 NTP n.a. nformat	IARC n.a.		OSHA		
5270 12.1	05-93-8 2-ObetaD-Gl -glucopyranosyl D-glucopyrano Toxicity: Persistence and	See actual entry in RTECS for complete i Ginsenoside Rd RTECS Number: LZ5858 nponents (Chemical Name) ucopyranosyl-(3.beta.,12.beta.)-20-(.betaD oxy)-12-hydroxydammara-24-en-3-ylbeta Section 12. Ecological I Avoid release into the environment. Runoff from fire control or dilution water n	nformation. 3000 NTP n.a. nformat	IARC n.a.		OSHA		
5270 12.1 12.2	2-ObetaD-GI -glucopyranosyl D-glucopyrano Toxicity: Persistence and Degradability:	See actual entry in RTECS for complete i Ginsenoside Rd RTECS Number: LZ5858 nponents (Chemical Name) ucopyranosyl-(3.beta.,12.beta.)-20-(.betaD oxy)-12-hydroxydammara-24-en-3-ylbeta Section 12. Ecological I Avoid release into the environment. Runoff from fire control or dilution water n No data available.	nformation. 3000 NTP n.a. nformat	IARC n.a.		OSHA		
5270 12.1 12.2	2-ObetaD-GI -glucopyranosyl D-glucopyrano Toxicity: Persistence and Degradability: Bioaccumulative	See actual entry in RTECS for complete i Ginsenoside Rd RTECS Number: LZ5858 nponents (Chemical Name) ucopyranosyl-(3.beta.,12.beta.)-20-(.betaD oxy)-12-hydroxydammara-24-en-3-ylbeta Section 12. Ecological I Avoid release into the environment. Runoff from fire control or dilution water n No data available.	nformation. 3000 NTP n.a. nformat	IARC n.a.		OSHA		
5270 12.1 12.2 12.3	2-ObetaD-GI -glucopyranosyl D-glucopyrano Toxicity: Persistence and Degradability: Bioaccumulative Potential:	See actual entry in RTECS for complete i Ginsenoside Rd RTECS Number: LZ5858 nponents (Chemical Name) ucopyranosyl-(3.beta.,12.beta.)-20-(.betaD oxy)-12-hydroxydammara-24-en-3-ylbeta Section 12. Ecological I Avoid release into the environment. Runoff from fire control or dilution water n No data available. No data available.	nformation. 3000 NTP n.a. nformat	IARC n.a.		OSHA		
5270 12.1 12.2 12.3 12.4	2-ObetaD-GI -glucopyranosyl D-glucopyrano Toxicity: Persistence and Degradability: Bioaccumulative Potential: Mobility in Soil:	See actual entry in RTECS for complete i Ginsenoside Rd RTECS Number: LZ5858 nponents (Chemical Name) ucopyranosyl-(3.beta.,12.beta.)-20-(.betaD oxy)-12-hydroxydammara-24-en-3-ylbeta Section 12. Ecological I Avoid release into the environment. Runoff from fire control or dilution water n No data available. No data available.	nformation. 3000 NTP n.a. nformat	IARC n.a.		OSHA		

Multi-region format



Page: 5 of 5

Revision: 03/28/2019 Supersedes Revision: 11/26/2014

ANSPORT (US Shipping Name Class: ber: ANSPORT (Eur pping Name: s: NSPORT (ICAO/ shipping Name: sport erfund Amendin Hazardous Com 2-ObetaD-Glu (.betaD-glucop a-24-en-3-ylbeta Hazardous Com	Not dangerous goods. Transport in accordance with loc Section 15. Regula nents and Reauthorization Act o ponents (Chemical Name) icopyranosyloxy)-12-hydroxydammar iaD-glucopyrano	al, state, and federal r sport Informat cal, state, and federa atory Informat of 1986) Lists S. 302 (EHS) No	egulations. iON I regulations. tiON S. 304 RQ No	S. 313 (TRI) No		
ANSPORT (US Shipping Name Class: ber: ANSPORT (Eur pping Name: s: NSPORT (ICAO/ shipping Name: sport erfund Amendin Hazardous Com 2-ObetaD-Glu (.betaD-glucop a-24-en-3-ylbeta Hazardous Com	Section 14. Trans DOT): Mot dangerous goods. Popean ADR/RID): Not dangerous goods. MATA): Not dangerous goods. Transport in accordance with loc Section 15. Regula ments and Reauthorization Act of ponents (Chemical Name) icopyranosyloxy)-12-hydroxydammar iaD-glucopyrano	sport Informat cal, state, and federa atory Informat of 1986) Lists S. 302 (EHS) No	ion I regulations. tion S. 304 RQ No			
Shipping Name Class: ber: ANSPORT (Eur pping Name: s: NSPORT (ICAO/ hipping Name: sport erfund Amendin Hazardous Com 2-ObetaD-Glu (.betaD-glucop a-24-en-3-ylbet Hazardous Com	DOT): Not dangerous goods. Popean ADR/RID): Not dangerous goods. VIATA): Not dangerous goods. Transport in accordance with loc Section 15. Regula ments and Reauthorization Act of ponents (Chemical Name) icopyranosyloxy)-12-hydroxydammar iaD-glucopyrano	cal, state, and federa atory Informa of 1986) Lists S. 302 (EHS) No	l regulations. tion S. 304 RQ No			
Shipping Name Class: ber: ANSPORT (Eur pping Name: s: NSPORT (ICAO/ hipping Name: sport erfund Amendin Hazardous Com 2-ObetaD-Glu (.betaD-glucop a-24-en-3-ylbet Hazardous Com	Not dangerous goods. Transport in accordance with loc Section 15. Regula nents and Reauthorization Act o ponents (Chemical Name) icopyranosyloxy)-12-hydroxydammar iaD-glucopyrano	atory Informa of 1986) Lists S. 302 (EHS) No	tion S. 304 RQ No			
Class: ber: ANSPORT (Euro pping Name: s: NSPORT (ICAO/ shipping Name: sport erfund Amendin Hazardous Com 2-ObetaD-Glu (.betaD-glucop a-24-en-3-ylbeta Hazardous Com	Topean ADR/RID): Not dangerous goods. //ATA): Not dangerous goods. Transport in accordance with loc Section 15. Regula nents and Reauthorization Act of ponents (Chemical Name) topyranosyl-(3.beta.,12.beta.)-20 pyranosyloxy)-12-hydroxydammar taD-glucopyrano	atory Informa of 1986) Lists S. 302 (EHS) No	tion S. 304 RQ No			
Der: ANSPORT (Euro pping Name: s: NSPORT (ICAO/ Shipping Name: sport erfund Amendin Hazardous Com 2-ObetaD-Glu (.betaD-glucop a-24-en-3-ylbeta Hazardous Com	Not dangerous goods. <b>/IATA):</b> Not dangerous goods. Transport in accordance with loc Section 15. Regulation ments and Reauthorization Act of ponents (Chemical Name) icopyranosyl-(3.beta.,12.beta.)-20 pyranosyloxy)-12-hydroxydammar raD-glucopyrano	atory Informa of 1986) Lists S. 302 (EHS) No	tion S. 304 RQ No			
ANSPORT (Euro pping Name: s: NSPORT (ICAO/ shipping Name: sport erfund Amendin Hazardous Com 2-ObetaD-Glu (.betaD-glucop a-24-en-3-ylbeta Hazardous Com	Not dangerous goods. <b>/IATA):</b> Not dangerous goods. Transport in accordance with loc Section 15. Regulation ments and Reauthorization Act of ponents (Chemical Name) icopyranosyl-(3.beta.,12.beta.)-20 pyranosyloxy)-12-hydroxydammar raD-glucopyrano	atory Informa of 1986) Lists S. 302 (EHS) No	tion S. 304 RQ No			
pping Name: S: NSPORT (ICAO/ shipping Name: sport erfund Amendn Hazardous Com 2-ObetaD-Glu (.betaD-glucop a-24-en-3-ylbeta Hazardous Com	Not dangerous goods. <b>/IATA):</b> Not dangerous goods. Transport in accordance with loc Section 15. Regulation ments and Reauthorization Act of ponents (Chemical Name) icopyranosyl-(3.beta.,12.beta.)-20 pyranosyloxy)-12-hydroxydammar raD-glucopyrano	atory Informa of 1986) Lists S. 302 (EHS) No	tion S. 304 RQ No			
S: NSPORT (ICAO/ Shipping Name: Sport erfund Amendin Hazardous Com 2-ObetaD-Glu -(.betaD-glucop a-24-en-3-ylbeta Hazardous Com	AATA): Not dangerous goods. Transport in accordance with loc Section 15. Regula ments and Reauthorization Act of ponents (Chemical Name) icopyranosyl-(3.beta.,12.beta.)-20 pyranosyloxy)-12-hydroxydammar iaD-glucopyrano	atory Informa of 1986) Lists S. 302 (EHS) No	tion S. 304 RQ No			
NSPORT (ICAO/ hipping Name: port erfund Amendin Hazardous Com 2-ObetaD-Glu -(.betaD-glucop a-24-en-3-ylbeta Hazardous Com	Not dangerous goods. Transport in accordance with loc Section 15. Regula ments and Reauthorization Act of ponents (Chemical Name) icopyranosyl-(3.beta.,12.beta.)-20 byranosyloxy)-12-hydroxydammar raD-glucopyrano	atory Informa of 1986) Lists S. 302 (EHS) No	tion S. 304 RQ No			
erfund Amendn Hazardous Com 2-ObetaD-Glu (.betaD-glucop a-24-en-3-ylbeta	Not dangerous goods. Transport in accordance with loc Section 15. Regula ments and Reauthorization Act of ponents (Chemical Name) icopyranosyl-(3.beta.,12.beta.)-20 byranosyloxy)-12-hydroxydammar raD-glucopyrano	atory Informa of 1986) Lists S. 302 (EHS) No	tion S. 304 RQ No			
erfund Amendn Hazardous Com 2-ObetaD-Glu -(.betaD-glucop a-24-en-3-ylbeta Hazardous Com	Transport in accordance with loc Section 15. Regula ments and Reauthorization Act of mponents (Chemical Name) icopyranosyl-(3.beta.,12.beta.)-20 byranosyloxy)-12-hydroxydammar iaD-glucopyrano mponents (Chemical Name)	atory Informa of 1986) Lists S. 302 (EHS) No	tion S. 304 RQ No			
erfund Amendn Hazardous Com 2-ObetaD-Glu (.betaD-glucop a-24-en-3-ylbeta Hazardous Com	Section 15. Regulation ments and Reauthorization Act of mponents (Chemical Name) icopyranosyl-(3.beta.,12.beta.)-20 byranosyloxy)-12-hydroxydammar caD-glucopyrano	atory Informa of 1986) Lists S. 302 (EHS) No	tion S. 304 RQ No			
Hazardous Com 2-ObetaD-Glu (.betaD-glucop a-24-en-3-ylbeta Hazardous Com	nents and Reauthorization Act on ponents (Chemical Name) icopyranosyl-(3.beta.,12.beta.)-20 byranosyloxy)-12-hydroxydammar icaD-glucopyrano ponents (Chemical Name)	of 1986) Lists S. 302 (EHS) No	<b>S. 304 RQ</b> No			
Hazardous Com 2-ObetaD-Glu (.betaD-glucop a-24-en-3-ylbeta Hazardous Com	nents and Reauthorization Act on ponents (Chemical Name) icopyranosyl-(3.beta.,12.beta.)-20 byranosyloxy)-12-hydroxydammar icaD-glucopyrano ponents (Chemical Name)	of 1986) Lists S. 302 (EHS) No	<b>S. 304 RQ</b> No			
Hazardous Com 2-ObetaD-Glu (.betaD-glucop a-24-en-3-ylbeta Hazardous Com	nponents (Chemical Name) ncopyranosyl-(3.beta.,12.beta.)-20 pyranosyloxy)-12-hydroxydammar raD-glucopyrano	S. 302 (EHS) No	No			
2-ObetaD-Glu (.betaD-glucop a-24-en-3-ylbeta Hazardous Com	acopyranosyl-(3.beta.,12.beta.)-20 byranosyloxy)-12-hydroxydammar aD-glucopyrano	No	No			
(.betaD-glucop a-24-en-3-ylbeta Hazardous Com	oyranosyloxy)-12-hydroxydammar aD-glucopyrano			No		
		Other US EPA or §	l Nata Liata			
CAS #Hazardous Components (Chemical Name)52705-93-82-ObetaD-Glucopyranosyl-(3.beta.,12.beta.)-2			Other US EPA or State Lists			
(.betaD-glucop	icopyranosyl-(3.beta.,12.beta.)-20 byranosyloxy)-12-hydroxydammar :aD-glucopyrano					
mation	This SDS was prepared in accor No.1272/2008.	rdance with 29 CFR <sup>2</sup>	1910.1200 and Ro	egulation (EC)		
	Section 16. Oth	ner Information	า			
	03/28/2019					
nation About	No data available.					
or Disclaimer:	currently available to us. Howeve express or implied, with respect	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 it		
0	r Disclaimer:	currently available to us. Howev express or implied, with respect use. Users should make their o	currently available to us. However, we make no warra express or implied, with respect to such information, a use. Users should make their own investigations to c	currently available to us. However, we make no warranty of merchanta express or implied, with respect to such information, and we assume r use. Users should make their own investigations to determine the suit		

Multi-region format