

Revision: 05/13/2018

1.1 Product Code: 24913 Product Name: Isosilybin Synonyms: (2R,3R)-2(2.3-dihydro-2-(4-hydroxy-3-methoxyphenyl)-3-(hydroxymethyl)-1.4-b 2.3-dihydro-3.5,7-trihydroxy-4H-1-benzopyran-4-one; Isosilibinin; Isosilybin B; 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: Company Name: Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 Web site address: www.caymanchem.com Information: Information: Cayman Chemical Company (130 E. Ellsworth Rd. Ann Arbor, MI 48108 Web site address: www.caymanchem.com Information: Emergency telephone number: Emergency Contact: CHEMTREC Outside USA and Canada: +1 (800)424-9300 CHEMTREC Outside USA and Canada: C1 Classification of the Substance or Mixture: Acute Toxicity: Oral, Category 4 2.2 Label Elements: Section 2. Hazards Identification CHS Signal Word: Warning GHS Hazard 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	S	ection 1. Ider	ntification of the Substance/Mixture and of t	the Company/Undertaking			
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May cause eye, skin, or respiratory system irritation.		•					
				on.			
		To the best of our knowledge, the toxicological properties have not been thoroughly investigat					



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		Sect	ion 3. Composition	/Information	on Ingredie	nts		
CAS RTEC		Hazardous Comp REACH Registrat	oonents (Chemical Name)/ ion No.	Concentration	EC No./ EC Index No.	GHS Classification		
72581-71-6 Isosilibinin NA		Isosilibinin		100.0 %	683-238-3 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:	Remove to fresh air. If not bre	eathing, give artificia	I respiration or giv	ve oxygen by trained personnel.		
			Get immediate medical attent	ion.				
	In Case	of Skin Contact:	-			5 minutes. Remove contaminated		
			clothing. Get medical attentio		-			
	In Case	of Eye Contact:			ater for at least 1	5 minutes. Have eyes examined		
			and tested by medical person			. ar i ar		
	In Case	of Ingestion:	Wash out mouth with water p	-	-			
			medical personnel.	uical attention. Do N		ng unless directed to do so by		
			-					
			Section 5. Fire					
5.1		e Extinguishing	Use alcohol-resistant foam, o		r, or dry chemical	spray.		
	Media:		Use water spray to cool fire-e	-				
		able Extinguishing	A solid water stream may be	inefficient.				
	Media:		INTERNAL STATE					
5.2	Flamma	-	d No data available.					
	1122010		No data available.					
	Flash P	't:	No data.					
		ive Limits:	LEL: No data.	UEL: No da	ata.			
	-	nition Pt:	No data.					
5.3	-			ained breathing app:	aratus pressure-d	emand (NIOSH approved or		
0.0			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. Acciden			-		
6 1	Drotoct	ive Pressutions						
6.1		ive Precautions,	Avoid raising and breathing A As conditions warrant wear	-	-	n. eathing apparatus, or respirator,		
		ency Procedures:	and appropriate personal pro					
6.2	-	mental	Take steps to avoid release	-				
0.2	Precaut							
6.3			Contain spill and collect. as	appropriate.				
		Is and Material For Contain spill and collect, as appropriate.						
	Up:		-	r -				
			Section 7. Har	dling and Qt	orane			
	Drocovi	tions To Do Tokan						
7.1			Avoid breathing dust/fume/ga Avoid prolonged or repeated		y.			
7.2	in Hand	-		-				
7.2	in Stori		Keep container tightly closed Store in accordance with info		nroduct insert			
		······				Multi-region format		
						multi-region format		



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		on 8. Exposure Controls/Personal Protection			
3.1	Exposure Parameters:				
8.2	Exposure Controls:				
8.2.1	Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborn			
	(Ventilation etc.):	levels below recommended exposure limits.			
3.2.2	Personal protection equip				
	Eye Protection:	Safety glasses			
	Protective Gloves:	Compatible chemical-resistant gloves			
	Other Protective Clothing:	Lab coat			
	Respiratory Equipment	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 showe			
		Wash thoroughly after handling.			
		No data available.			
	Se	ection 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):				
	Vapor Density (vs. Air = 1)				
	Specific Gravity (Water = 1				
	Solubility in Water:	No data.			
	Solubility Notes:	~0.5 mg/ml in a 1:9 solution of DMF:PBS (pH 7.2); ~0.1 mg/ml in EtOH; ~10 mg/ml in DMSO; ~20 mg/ml in DMF;			
	Octanol/Water Partition	No data.			
	Coefficient:				
	Autoignition Pt:	No data.			
	Decomposition Temperatu	re: No data.			
	Viscosity:	No data.			
.2	Other Information				
	Percent Volatile:	No data.			
	Molecular Formula & Weig	ht: C25H22O10 482.4			

Multi-region format



Multi-region format

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			Section 10. Stability a					
10.1	Reactivit	iy:	No data available.					
10.2	Stability	:	Unstable [] Stable [X]					
10.3	Stability	Note(s):	Stable if stored in accordance with in	ormation listed	on the product	insert.		
Polymerization:		ization:	Will occur [] Will not occur [X]					
10.4	Conditio	ns To Avoid:	No data available.					
10.5	Incompa To Avoic		strong oxidizing agents					
10.6	0.6 Hazardous		carbon dioxide					
	Decomp	osition or	carbon monoxide					
	Byprodu	cts:						
			Section 11. Toxicologi	cal Informa	ation			
11.1	Informat Toxicolo	ion on gical Effects:	The toxicological effects of this produ	ct have not beer	n thoroughly st	udied.		
CAS #	#	Hazardous Com			IARC	ACGIH	OSHA	
		ι ιαζαι μυμδ 60///	ponents (Chemical Name)	NTP				
7258	31-71-6	Isosilibinin	ponents (Chemical Name)	n.a.	n.a.	n.a.	n.a.	
7258	31-71-6			n.a.	n.a.			
		Isosilibinin	Section 12. Ecologic	n.a.	n.a.			
7258 1 2.1	31-71-6 Toxicity:	Isosilibinin	Section 12. Ecologic Avoid release into the environment.	n.a. al Informat	n.a.			
12.1	Toxicity:	Isosilibinin	Section 12. Ecologic Avoid release into the environment. Runoff from fire control or dilution wa	n.a. al Informat	n.a.			
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14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not dangerous goods.

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

Information:

Additional Transport

Section 15. Regulatory Information

CAS #	Hazardous Components (Chemical Name)		S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
72581-71-6	Isosilibinin		No	No	No	
CAS #	Hazardous Components (Chemical Name)		Other US EPA or S	State Lists	•	
72581-71-6	Isosilibinin		CAA HAP,ODC: N PROP.65: No	o; CWA NPDES: No	; TSCA: No; CA	
Regulatory Information Statement:		This SDS was prepared in accor No.1272/2008.	rdance with 29 CFR [·]	1910.1200 and Regu	ation (EC)	
		Section 16. Oth	er Information	า		
Revision Date:		05/13/2018				
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.				