

Revision: 10/06/2018

Page: 1 of 5

	Contian 1	Identification of the Substan		830 and US OSHA HCS				
	Section 1.	Identification of the Substan	ice/ivilxture and of	the Company/U	ndertaking			
.1	Product Code:	25125						
	Product Name:	(+)-Gallocatechin						
	Synonyms:	(2R,3S)-3,4-dihydro-2-(3,	,4,5-trihydroxypheny	/I)-2H-1-benzopyra	an-3,5,7-triol; NSC 674038;			
.2	Relevant identified uses of the substance or mixture and uses advised against:							
	Relevant identified uses	: For research use only, no	ot for human or vete	rinary use.				
1.3	Details of the Supplier of the Safety Data Sheet:							
	Company Name:	Cayman Chemical Comp	any					
		1180 E. Ellsworth Rd.						
		Ann Arbor, MI 48108						
	Web site address:	www.caymanchem.com		.4 (70	4)074 0005			
	Information:	Cayman Chemical Comp	bany	+1 (73	4)971-3335			
.4	Emergency telephone nur			4 (22	0) 40 4 0000			
	Emergency Contact:	CHEMTREC Within USA			0)424-9300			
		CHEMTREC Outside US	A and Canada:	+1 (70	3)527-3887			
		Section 2. Haz	zards Identifi	cation				
.1	Classification of the Subs	tance or Mixture:						
	Acute Toxicity: Oral, Ca	tegory 4						
.2	Label Elements:	0,						
	GHS Signal Word:	Warning						
	P330: Rinse mouth. GHS Storage and Dispo Please refer to Section 7	s: bughly after handling. : ED: Call a POISON CENTER sal Phrases: for Storage and Section 13 for						
2.3	GHS Hazard Phrases: H302: Harmful if swallowe GHS Precaution Phrases P264: Wash {hands} thore GHS Response Phrases P301+312: IF SWALLOW P330: Rinse mouth. GHS Storage and Dispo Please refer to Section 7 the Adverse Human Health Effects and Symptoms:	ed. s: bughly after handling. ED: Call a POISON CENTER sal Phrases: for Storage and Section 13 for Harmful if swallowed. Material may be irritating to th May be harmful by inhalation May cause eye, skin, or resp To the best of our knowledge	Disposal information he mucous membra or skin absorption. iratory system irritat e, the toxicological p	n. nes and upper res ion. roperties have not	spiratory tract. t been thoroughly investigate			
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CAS	GHS Hazard Phrases: H302: Harmful if swallowe GHS Precaution Phrases P264: Wash {hands} thoro GHS Response Phrases P301+312: IF SWALLOW P330: Rinse mouth. GHS Storage and Dispo Please refer to Section 7 to Adverse Human Health Effects and Symptoms: Sect	ed. s: bughly after handling. : /ED: Call a POISON CENTER sal Phrases: for Storage and Section 13 for Harmful if swallowed. Material may be irritating to the May be harmful by inhalation May cause eye, skin, or resp To the best of our knowledge ion 3. Composition ponents (Chemical Name)/	Disposal information he mucous membra or skin absorption. iratory system irritat e, the toxicological p	n. nes and upper res ion. roperties have not	spiratory tract. t been thoroughly investigate			

Multi-region format



Revision: 10/06/2018

		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	A solid water stream may be inefficient.					
	Media:						
5.2	Flammable Properties an Hazards:	dNo 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	Methods and Material For Contain spill and collect, as appropriate.						
		Containment and CleaningTransfer 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.					
	Sec	tion 8. Exposure Controls/Personal Protection					
8.1	Exposure Parameters:						

Multi-region format



Revision: 10/06/2018

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8.2	Exposure Controls:						
8.2.1	1 Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to contr						
	evels below recommended exposure limits.						
8.2.2	Personal protection equipment:						
	Eye Protection:	/ 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.						
	ce Practices:	Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower					
	l l	n thoroughly after handling.					
	No data available.						
	Se	ction 9. Physical and Chemical Properties					
9.1	Information on Basic Physic	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)	No data.					
	Hg):	No data.					
	Vapor Density (vs. Air = 1):						
	Specific Gravity (Water = 1)						
	Solubility in Water:	No data.					
	Solubility Notes: Octanol/Water Partition	~1 mg/ml in PBS (pH 7.2); ~5 mg/ml in EtOH; ~15 mg/ml in DMSO; ~25 mg/ml in DMF; No data.					
	Coefficient:	NU Uala.					
	Autoignition Pt:	No data.					
	Decomposition Temperatu	re: No data.					
	Viscosity:	No data.					
9.2	Other Information						
	Percent Volatile:	No data.					
	Molecular Formula & Weigl	ht: C15H14O7 306.3					

Multi-region format



Revision: 10/06/2018

			Section	on 10. Stability and	Reactiv	/ity			
10.1	1 Reactivity: 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.						
	Polymer	ization:	Will occur [] Will not occur [X]					
10.4	Conditio	ons To Avoid:	No data avai	lable.					
10.5									
	To Avoid: strong oxidizing agents								
10.6 Hazardous carbon dioxide									
	Decomp	osition or	carbon mono	oxide					
	Byprodu	icts:	nitrogen oxic	les					
			Sectio	n 11. Toxicological	Informa	tion			
11.1	Informat	ion on	The toxicological effects of this product have not been thoroughly studied.						
		ogical Effects:		5					
Carcir	nogenicity	-	NTP? No IARC Monographs? No		OSHA Re	OSHA Regulated? No			
CAS	#	Hazardous Com	ponents (Ch	emical Name)	NTP	IARC	ACGIH	OSHA	
970)-73-0	(+)-Gallocatechin			n.a.	n.a.	n.a.	n.a.	
			Secti	on 12. Ecological I	nformati	on			
12.1	Toxicity	:	Avoid releas	e into the environment.					
	-		Runoff from fire control or dilution water may cause pollution.						
12.2	Persiste	nce and	No data available.						
	Degrada	bility:							
12.3	-	mulative	No data avai	lable.					
	Potentia								
12.4	Mobility		No data avai	lable					
12.5	-	of PBT and vPvB							
12.5									
126	assessment:								
12.0	2.6 Other adverse effects: No data available.								
	Section 13. Disposal Considerations								
13.1	13.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.								
			Sect	ion 14. Transport I	nformati	on			
14.1	14.1 LAND TRANSPORT (US DOT):								
D	OT Prope	r Shipping Name:	Not dan	gerous goods.					
D	OT Hazar	d Class:							
U U	UN/NA Number:								
14.1	LAND T	RANSPORT (Euro	opean ADR/R	ID):					
A	DR/RID S	hipping Name:	Not dan	gerous goods.					
υ	N Numbe	r:							
н	azard Cla	ss:							

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Page: 5 of 5

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name:

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

Not dangerous goods.

Information:

Additional Transport

Section 15. Regulatory Information

CAS #	Hazardous Components (Chemical Name)		S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
970-73-0	0 (+)-Gallocatechin		No	No	No	
CAS # Hazardous Com		ponents (Chemical Name)	Other US EPA or State Lists			
970-73-0	(+)-Gallocatechin		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
Regulatory In Statement:	formation	This SDS was prepared in accord No.1272/2008.	ordance with 29 CFR	1910.1200 and R	egulation (EC)	
		Section 16. Otl	her Informatio	n		
Revision Date:		10/06/2018				
Additional Information About		No data available.				
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