

SAFETY DATA SHEET Mangiferin

Page: 1 of 5

		cording to Regulation (EC) No. 190					
	Section 1. Identification of the Substance/Mixture and of the Company/Undertaking						
.1	Product Code: Product Name: Synonyms:	22360 Mangiferin 2betaD-glucopyranosy	rl-1,3,6,7-tetrahydrox	y-9H-xanthen-9-c	one; NSC 248870;		
Synonyms: 2betaD-glucopyranosyl-1,3,6,7-tetrahydroxy-9H-xanthen-9-one; NS 1.2 Relevant identified uses of the substance or mixture and uses advised against:							
	Relevant identified uses						
.3	.3 Details of the Supplier of the Safety Data Sheet:						
	Company Name:	Cayman Chemical Comp 1180 E. Ellsworth Rd. Ann Arbor, MI 48108	any				
	Web site address:	www.caymanchem.com					
	Information:	Cayman Chemical Comp	any	+1 (734	4)971-3335		
.4	Emergency telephone nur	mber:					
	Emergency Contact:	CHEMTREC Within USA CHEMTREC Outside US		•	0)424-9300 3)527-3887		
		Section 2. Haz	zards Identific	ation			
	GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowe GHS Precaution Phrase P264: Wash {hands} thore GHS Response Phrases	s: oughly after handling.					
	P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P330: Rinse mouth.						
2.3	GHS Storage and Disposal Phrases:Please refer to Section 7 for Storage and Section 13 for Disposal information.Adverse Human HealthHarmful if swallowed.Effects and Symptoms:Material may be irritating to the mucous membranes and upper respiratory tract.						
		May be harmful by inhalation May cause eye, skin, or respi To the best of our knowledge	or skin absorption. iratory system irritatio	on.			
	Sect	ion 3. Composition	/Information c	on Ingredie	nts		
				-			
	6 # / Hazardous Comp CS # REACH Registrat	oonents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	GHS Classification		
47	CS # REACH Registrat 73-96-0 9H-Xanthen-9-one,	-	Concentration 100.0 %		GHS Classification Acute Tox.(O) 4: H302		



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Revision: 07/09/2018

		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 Media:	g A solid water stream may be inefficient.
5.2	Flammable Properties ar Hazards:	I d No 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 raising and breathing dust, 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 Precautions:	Take steps to avoid release into the environment, if safe to do so.
6.3	Methods and Material Fo	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 Taker	Avoid breathing dust/fume/gas/mist/vapours/spray.
	in Handling:	Avoid prolonged or repeated exposure.
7.2	Precautions To Be Taker	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:	
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8.2	Exposure Controls:				
8.2.1	Engineering Controls Us	se process enclosures, local exhaust ventilation, or other engineering controls to control airborne			
	(Ventilation etc.):	vels below recommended exposure limits.			
8.2.2	ent:				
	Eye Protection: Safety glasses				
	Protective Gloves: Co	ompatible chemical-resistant gloves			
	Other Protective Clothing:Lab coat				
	Respiratory Equipment NIOSH approved respirator, as conditions warrant.				
	(Specify Type):				
	Work/Hygienic/Maintenan Do	o not take internally.			
	ce Practices: Fa	acilities storing or utilizing this material should be equipped with an eyewash and a safety shower			
1	W	ash thoroughly after handling.			
	No data available.				
	Sec	tion 9. Physical and Chemical Properties			
9.1	Information on Basic Physica	al 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 m	m No data.			
	Hg):				
	Vapor Density (vs. Air = 1):	No data.			
	Specific Gravity (Water = 1):				
	Solubility in Water:	No data.			
	Solubility Notes:	~5 mg/ml in DMSO; ~2 mg/ml in DMF; soluble (slightly) in: EtOH;			
	Octanol/Water Partition Coefficient:	No data.			
	Autoignition Pt:	No data.			
	Decomposition Temperature				
	Viscosity:	No data.			
9.2	Other Information				
•	Percent Volatile:	No data.			
	Molecular Formula & Weight				

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4773-96-0 9H-Xanthen-9-one, 2betaD-glucopyranosyl-1,3,6,7-tetrahydroxy- n.a.	10.2 Stability: Unstable [] Stable [X] 10.3 Stability Note(s): Stable if stored in accordance with information listed on the product insert. Polymerization: Will occur [] Will not occur [X] 10.4 Conditions To Avoid: No data available. 10.5 Incompatibility - Materials strong oxidizing agents To Avoid: To Avoid: 10.6 Hazardous carbon dioxide carbon monoxide Byproducts: Section 11. Toxicological Information 11.1 Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied. Mangiferin - Toxicity Data: Intraperitoneal LD50 (rat): 365 mg/kg; Oral LD50 (r Oral TDLO (rat): 10 mg/kg; Mangiferin - Investigated as a drug, natural product, and tumorigen. Effects: Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is See actual entry in RTECS for complete information.				
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4773-96-0 9H-Xanthen-9-one, 2betaD-glucopyranosyl-1,3,6,7-tetrahydroxy- n.a.					
2betaD-glucopyranosyl-1,3,6,7-tetrahydroxy- Section 12. Ecological Information 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 12.2 Persistence and Degradability: No data available. 12.3 Bioaccumulative Potential: No data available. 12.4 Mobility in Soil: No data available. 12.5 Results of PBT and vPvB assessment: No data available. 12.6 Other adverse effects: No data available.		H OSHA			
12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 12.2 Persistence and Degradability: No data available. 12.3 Bioaccumulative Potential: No data available. 12.4 Mobility in Soil: No data available. 12.5 Results of PBT and vPvB No data available. assessment: No data available. 12.6 Other adverse effects: No data available.		n.a.			
Runoff from fire control or dilution water may cause pollution. 12.2 Persistence and Degradability: 12.3 Bioaccumulative No data available. Potential: No data available. 12.4 Mobility in Soil: No data available. 12.5 Results of PBT and vPvB No data available. 12.6 Other adverse effects: No data available.	Section 12. Ecological Information				
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assessment: 12.6 Other adverse effects: No data available.	12.4 Mobility in Soil: No data available.				
assessment: 12.6 Other adverse effects: No data available.					
Section 13. Disposal Considerations	12.6 Other adverse effects: No data available.				
	Section 13, Disposal Considerations				
13.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.					

Cayman

SAFETY DATA SHEET Mangiferin

Revision: 07/09/2018

Section 14. Transport Information						
14.1 LAND TRANSPORT (US DOT):						
-	er Shipping Name	: Not dangerous goods.				
DOT Haza						
UN/NA Nu	mber: TRANSPORT (Eur	onean ADR/RID).				
	Shipping Name:	Not dangerous goods.				
UN Numbe						
Hazard Cla	Hazard Class:					
	ICAO/IATA Shipping Name: Not dangerous goods.					
Additional Tra	insport	Transport in accordance with lo	ical, state, and fede	ral regulations.		
		Section 15. Regu	latory Inform	ation		
EPA SARA (S	uperfund Amendn	nents and Reauthorization Act				
CAS #		ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
4773-96-0	9H-Xanthen-9-or	,	No	No	No	
	2betaD-glucop	oyranosyl-1,3,6,7-tetrahydroxy-				
CAS #		ponents (Chemical Name)	Other US EPA o			
4773-96-0 9H-Xanthen-9-or 2betaD-glucop		ne, CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA pyranosyl-1,3,6,7-tetrahydroxy- PROP.65: No		: No; TSCA: No; CA		
		This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.				
		Section 16. Oth	ner Informati	on		
Revision Date: 07/09/2018						
Additional Info	ormation About	No data available.				
This Product:						
Company Poli	cy or Disclaimer:	DISCLAIMER: This information currently available to us. Howev express or implied, with respect use. Users should make their of their particular purposes.	ver, we make no wa to such information	rranty of merchanta	ability or any other warranty, no liability resulting from its	