

Page: 1 of 5

			and US OSHA HCS 2015
	Section 1.	Identification of the Substance/Mixture and of the	e Company/Undertaking
.1	Product Code:	19063	
	Product Name:	Fulvic Acid	
	Synonyms:	4,10-dihydro-3,7,8-trihydroxy-3-methyl-10-oxo-1	IH,3H-pyrano[4,3-b][1]benzopyran-9-carboxy
		acid;	
.2	Relevant identified uses of	of the substance or mixture and uses advised aga	inst:
	Relevant identified uses	For research use only, not for human or veterina	ary use.
.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:	Cayman Chemical Company	+1 (734)971-3335
.4	Emergency telephone nui		
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300
		CHEMTREC Outside USA and Canada:	+1 (703)527-3887
		Section 2. Hazards Identifica	Ition
2.2	Acute Toxicity: Oral, Ca Acute Toxicity: Skin, Ca Label Elements:		
2.2	Acute Toxicity: Skin, Ca		
2.2	Acute Toxicity: Skin, Ca Label Elements: GHS Signal Word:		
2.2	Acute Toxicity: Skin, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases:	ategory 4 Warning	
2.2	Acute Toxicity: Skin, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallow	warning ed.	
.2	Acute Toxicity: Skin, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallow H312: Harmful in contact	warning ed.	
2	Acute Toxicity: Skin, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallow H312: Harmful in contact H332: Harmful if inhaled.	warning ed. with skin.	
2.2	Acute Toxicity: Skin, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallow H312: Harmful in contact H332: Harmful if inhaled. GHS Precaution Phrase	Warning ed. with skin.	
2.2	Acute Toxicity: Skin, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallow H312: Harmful if swallow H312: Harmful if inhaled. GHS Precaution Phrase P261: Avoid breathing {du	Warning ed. with skin.	
2.2	Acute Toxicity: Skin, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallow H312: Harmful if swallow H312: Harmful if inhaled. GHS Precaution Phrase P261: Avoid breathing {dr P264: Wash {hands} thor	warning ed. with skin. es: ust/fume/gas/mist/vapors/spray}. oughly after handling.	n
2.2	Acute Toxicity: Skin, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallow H312: Harmful if swallow H312: Harmful if inhaled. GHS Precaution Phrase P261: Avoid breathing {du P264: Wash {hands} thor P280: Wear {protective g	Warning ed. with skin. es: ust/fume/gas/mist/vapors/spray}. oughly after handling. loves/protective clothing/eye protection/face protectio	n}.
2	Acute Toxicity: Skin, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallow H312: Harmful if swallow H312: Harmful if inhaled. GHS Precaution Phrase P261: Avoid breathing {d P264: Wash {hands} thom P280: Wear {protective g	Warning ed. with skin. s: ust/fume/gas/mist/vapors/spray}. oughly after handling. loves/protective clothing/eye protection/face protectio	
2	Acute Toxicity: Skin, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallow H312: Harmful if swallow H312: Harmful if inhaled. GHS Precaution Phrase P261: Avoid breathing (dr P264: Wash {hands} thor P280: Wear {protective gites GHS Response Phrases P301+312: IF SWALLOW	Warning ed. with skin. es: ust/fume/gas/mist/vapors/spray}. oughly after handling. loves/protective clothing/eye protection/face protectio s: /ED: P312: Call a POISON CENTER or doctor/physic	
2.2	Acute Toxicity: Skin, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallow H312: Harmful if swallow H312: Harmful if ontact H332: Harmful if inhaled. GHS Precaution Phrase P261: Avoid breathing {dr P264: Wash {hands} thor P280: Wear {protective gr GHS Response Phrases P301+312: IF SWALLOW P302+352: IF ON SKIN: Y	Warning ed. with skin. es: ust/fume/gas/mist/vapors/spray}. oughly after handling. loves/protective clothing/eye protection/face protectio s: /ED: P312: Call a POISON CENTER or doctor/physic Wash with plenty of soap and water.	sian if you feel unwell.
2.2	Acute Toxicity: Skin, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallow H312: Harmful if swallow H312: Harmful if ontact H332: Harmful if inhaled. GHS Precaution Phrase P261: Avoid breathing {dr P264: Wash {hands} thor P280: Wear {protective g GHS Response Phrases P301+312: IF SWALLOW P302+352: IF ON SKIN: Y	Warning ed. with skin. es: ust/fume/gas/mist/vapors/spray}. oughly after handling. loves/protective clothing/eye protection/face protectio s: /ED: P312: Call a POISON CENTER or doctor/physic Wash with plenty of soap and water. Remove victim to fresh air and keep at rest in a positi	sian if you feel unwell.
2.2	Acute Toxicity: Skin, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallow H312: Harmful if swallow H312: Harmful in contact H332: Harmful if inhaled. GHS Precaution Phrase P261: Avoid breathing {du P264: Wash {hands} thor P280: Wear {protective g GHS Response Phrases P301+312: IF SWALLOW P302+352: IF ON SKIN: P304+340: IF INHALED: P321: Specific treatment	Warning ed. with skin. es: ust/fume/gas/mist/vapors/spray}. oughly after handling. loves/protective clothing/eye protection/face protectio s: /ED: P312: Call a POISON CENTER or doctor/physic Wash with plenty of soap and water. Remove victim to fresh air and keep at rest in a positi	sian if you feel unwell.
.2	Acute Toxicity: Skin, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallow H312: Harmful if swallow H312: Harmful if ontact H332: Harmful if inhaled. GHS Precaution Phrase P261: Avoid breathing {dr P264: Wash {hands} thor P280: Wear {protective gi GHS Response Phrases P301+312: IF SWALLOW P302+352: IF ON SKIN: W P304+340: IF INHALED: P321: Specific treatment P330: Rinse mouth.	Warning ed. with skin. es: ust/fume/gas/mist/vapors/spray}. oughly after handling. loves/protective clothing/eye protection/face protectio s: /ED: P312: Call a POISON CENTER or doctor/physic Wash with plenty of soap and water. Remove victim to fresh air and keep at rest in a positi {see on this label}.	sian if you feel unwell.
.2	Acute Toxicity: Skin, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallow H312: Harmful if swallow H312: Harmful if ontact H332: Harmful if inhaled. GHS Precaution Phrase P261: Avoid breathing {dr P264: Wash {hands} thor P280: Wear {protective gi GHS Response Phrases P301+312: IF SWALLOW P302+352: IF ON SKIN: W P304+340: IF INHALED: P321: Specific treatment P330: Rinse mouth.	Warning ed. with skin. es: ust/fume/gas/mist/vapors/spray}. oughly after handling. loves/protective clothing/eye protection/face protectio s: /ED: P312: Call a POISON CENTER or doctor/physic Wash with plenty of soap and water. Remove victim to fresh air and keep at rest in a positi {see on this label}. aminated clothing and wash it before reuse.	sian if you feel unwell.



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2.3		e Human Health and Symptoms:	Harmful if inhaled, swallowed Material may be irritating to the			spiratory tract
	LIIects	anu symptoms:	Material may be imitating to the May cause eye, skin, or resp		••	Spiratory tract.
						t been thoroughly investigated.
		Sect	tion 3. Composition			
CAS RTEC		1	oonents (Chemical Name)/	Concentration	EC No./ EC Index No.	GHS Classification
	9-66-3		][1]benzopyran-9-carboxylic	100.0 %	610-395-7	Acute Tox.(O) 4: H302
NA			,7,8-trihydroxy-3-methyl-10-oxo-		NA	Acute Tox.(D) 4: H312 Acute Tox.(I) 4: H332
			Section 4. Fi	rst Aid Meas	ures	
4.1		ption of First Aid				
	Measu In Case	res: e of Inhalation:	Remove to fresh air. If not bre		al respiration or gi	ve oxygen by trained personnel.
	In Case	e of Skin Contact:	Immediately wash skin with s clothing. Get medical attentio			5 minutes. Remove contaminate pefore reuse.
		e of Eye Contact:	and tested by medical person	inel.		5 minutes. Have eyes examine
	In Case	e of Ingestion:	Wash out mouth with water p unconscious person. Get med medical personnel.	-	-	ive anything by mouth to an ng unless directed to do so by
			Section 5. Fire	Fighting Me	asures	
5.1	Suitab	le Extinguishing	Use alcohol-resistant foam, c	carbon dioxide, wate	er, or dry chemical	l spray.
	Media:		Use water spray to cool fire-e	exposed containers.		
	Unsuit Media:		A solid water stream may be	inefficient.		
5.2	Flamm Hazard	•	<b>d</b> No data available.			
			No data available.			
	Flash F		No data.			
	-	ive Limits:	LEL: No data.	UEL: No d	ata.	
	-	nition Pt:	No data.			
5.3	Fire Fig	ghting Instructions	As in any fire, wear self-conta equivalent), and full protectiv	÷	-	
			Section 6. Acciden	tal Release	Measures	
6.1		tive Precautions, tive Equipment an	Avoid breathing vapors and <b>d</b> As conditions warrant, wear			eathing apparatus, or respirator
		ency Procedures:	and appropriate personal pro			
6.2	Enviro Precau	nmental itions:	Take steps to avoid release	into the environmer	nt, if safe to do so.	
6.3			r Contain spill and collect, as ang Transfer to a chemical waste		osal in accordance	e with local regulations.
						Multi-region forn



		Section 7. Handling	and Storage
7.1	Precautions To Be Taken A	void breathing dust/fume/gas/mist/v	/apours/spray.
	in Handling: A	void prolonged or repeated exposu	re.
7.2	Precautions To Be Taken	Ceep container tightly closed.	
	in Storing:	Store in accordance with information	listed on the product insert.
	Section	on 8. Exposure Control	ls/Personal Protection
8.1	Exposure Parameters:		
8.2	Exposure Controls:		
8.2.1	Engineering Controls	Jse process enclosures, local exhau	st ventilation, or other engineering controls to control airborne
	(Ventilation etc.):	evels below recommended exposure	e limits.
8.2.2	Personal protection equipn	nent:	
	Eye Protection:	afety glasses	
	Protective Gloves: 0	Compatible chemical-resistant glove	S
	Other Protective Clothing:L	ab coat	
	Respiratory Equipment N	IIOSH approved respirator, as cond	itions warrant.
	(Specify Type):		
	Work/Hygienic/Maintenan	o not take internally.	
	ce Practices: F	acilities storing or utilizing this mate	rial should be equipped with an eyewash and a safety shower
	V	Vash thoroughly after handling.	
	Ν	lo data available.	
	See	ction 9. Physical and C	Chemical Properties
9.1	Information on Basic Physic	al and Chemical Properties	
9.1	Information on Basic Physic Physical States:	-	[] Solid
9.1	-	-	(] Solid
9.1	Physical States:	[]Gas []Liquid [X	[] Solid
9.1	Physical States: Appearance and Odor:	[ ] Gas [ ] Liquid [ X A solid	(] Solid
9.1	Physical States: Appearance and Odor: pH:	[ ] Gas [ ] Liquid [ X A solid No data.	[] Solid
9.1	Physical States: Appearance and Odor: pH: Melting Point:	[]Gas []Liquid [X A solid No data. No data.	( ] Solid
9.1	Physical States: Appearance and Odor: pH: Melting Point: Boiling Point:	[ ] Gas [ ] Liquid [ X A solid No data. No data. No data.	( ] Solid
9.1	Physical States: Appearance and Odor: pH: Melting Point: Boiling Point: Flash Pt:	[ ] Gas [ ] Liquid [ X A solid No data. No data. No data. No data.	3] Solid
9.1	Physical States: Appearance and Odor: pH: Melting Point: Boiling Point: Flash Pt: Evaporation Rate:	[ ] Gas [ ] Liquid [ X A solid No data. No data. No data. No data. No data.	[] Solid UEL: No data.
9.1	Physical States: Appearance and Odor: pH: Melting Point: Boiling Point: Flash Pt: Evaporation Rate: Flammability (solid, gas):	[ ] Gas [ ] Liquid [ X A solid No data. No data. No data. No data. No data. No data available. LEL: No data.	
9.1	Physical States: Appearance and Odor: pH: Melting Point: Boiling Point: Flash Pt: Evaporation Rate: Flammability (solid, gas): Explosive Limits:	[ ] Gas [ ] Liquid [ X A solid No data. No data. No data. No data. No data. No data available. LEL: No data.	
9.1	Physical States: Appearance and Odor: pH: Melting Point: Boiling Point: Flash Pt: Evaporation Rate: Flammability (solid, gas): Explosive Limits: Vapor Pressure (vs. Air or r	[ ] Gas [ ] Liquid [ X A solid No data. No data. No data. No data. No data. No data available. LEL: No data.	
9.1	Physical States: Appearance and Odor: pH: Melting Point: Boiling Point: Flash Pt: Evaporation Rate: Flammability (solid, gas): Explosive Limits: Vapor Pressure (vs. Air or r Hg):	[]Gas []Liquid [X A solid No data. No data. No data. No data. No data. No data. No data available. LEL: No data. mm No data.	
9.1	Physical States: Appearance and Odor: pH: Melting Point: Boiling Point: Flash Pt: Evaporation Rate: Flammability (solid, gas): Explosive Limits: Vapor Pressure (vs. Air or r Hg): Vapor Density (vs. Air = 1):	[]Gas []Liquid [X A solid No data. No data. No data. No data. No data. No data. No data available. LEL: No data. mm No data.	
9.1	Physical States: Appearance and Odor: pH: Melting Point: Boiling Point: Flash Pt: Evaporation Rate: Flammability (solid, gas): Explosive Limits: Vapor Pressure (vs. Air or r Hg): Vapor Density (vs. Air = 1): Specific Gravity (Water = 1)	[]Gas []Liquid [X A solid No data. No data. No data. No data. No data. No data available. LEL: No data. nm No data. No data.	UEL: No data.
9.1	Physical States: Appearance and Odor: pH: Melting Point: Boiling Point: Flash Pt: Evaporation Rate: Flammability (solid, gas): Explosive Limits: Vapor Pressure (vs. Air or r Hg): Vapor Density (vs. Air = 1): Specific Gravity (Water = 1) Solubility in Water:	[]Gas []Liquid [X A solid No data. No data. No data. No data. No data. No data. LEL: No data. Mo data. No data. No data. No data. No data.	UEL: No data.
9.1	Physical States: Appearance and Odor: pH: Melting Point: Boiling Point: Flash Pt: Evaporation Rate: Flammability (solid, gas): Explosive Limits: Vapor Pressure (vs. Air or r Hg): Vapor Density (vs. Air = 1): Specific Gravity (Water = 1) Solubility in Water: Solubility Notes:	<ul> <li>[]Gas []Liquid [X A solid No data. No data. No data. No data. No data. No data available. LEL: No data.</li> <li>nm No data.</li> <li>No data.</li> <li>No data.</li> <li>No data. No data. Soluble in: MeOH; chloroform</li> </ul>	UEL: No data.

Multi-region format

SAFETY	DATA SHEET	
Fulv	ric Acid	

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	Autoign	ition Pt:	No d	lata.					
	Decomp	osition Temperat	ure: No d	lata.					
	Viscosit	y:	No d	lata.					
9.2	Other Inf	ormation							
	Percent	Volatile:	No d	lata.					
	Molecula	ar Formula & Weig	ght: C14I	H12O8	308.2				
			Secti	on 10	. Stability ar	nd Reactiv	/ity		
10.1	Reactivi	ty:	No data ava	ilable.	-		•		
10.2	Stability	:	Unstable [	] Sta	ble [ X ]				
10.3	Stability	Note(s):	Stable if stor	red in acc	ordance with info	mation listed o	n the product	insert.	
	Polymer	ization:	Will occur [	] Wi	ll not occur [ X ]				
10.4	Conditio	ons To Avoid:	No data ava	ilable.					
10.5	Incompa	tibility - Materials	s strong oxidiz	zing agen	ts				
	To Avoi	d:	Ū						
10.6	Hazardo	us	carbon dioxi	ide					
	Decomp	osition or	carbon mon	oxide					
	Byprodu	icts:							
			Sectio	n 11.	Toxicologic	al Informa	tion		
11.1	Informat	ion on	The toxicolo	gical effe	cts of this product	have not been	thoroughly st	udied.	
	Toxicolo	gical Effects:							
Carci	nogenicity	/:	NTP? No	IARC	Monographs? No	OSHA Re	gulated? No		
CAS	#	Hazardous Com	nonents (Ch	emical N	ame)	NTP		ACGIH	OSHA
	9-66-3	1H,3H-Pyrano[4,3	3-b][1]benzop	yran-9-ca	arboxylic acid,	n.a.	n.a.	n.a.	n.a.
		4,10-dihydro-3,7,		•					
					. Ecological	Informati	on		
12.1	Toxicity	:			environment.				
					ol or dilution wate	r may cause po	llution.		
12.2	Persiste		No data ava	ilable.					
	Degrada	-							
12.3		mulative	No data ava	ilable.					
	Potentia								
12.4	Mobility	in Soil:	No data ava	ilable.					
12.5		of PBT and vPvB	No data ava	ilable.					
	assessn								
12.6	Other ac	lverse effects:	No data ava	ilable.					



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Il Method: Dispose in accordance with local, state, and federal regulations. Section 14. Transport Information PORT (US DOT): ping Name: Not dangerous goods. s: PORT (European ADR/RID): g Name: Not dangerous goods. PRT (ICAO/IATA): ing Name: Not dangerous goods. Transport in accordance with local, state, and federal regulations. Section 15. Regulatory Information Mamedments and Reauthorization Act of 1986) Lists rdous Components (Chemical Name) S. 302 (EHS) S. 304 RQ 1-Pyrano[4,3-b][1]benzopyran-9-carboxylic No No ihydro-3,7,8-trihydroxy-3-methyl-10-oxo- dihydro-3,7,8-trihydroxy-3-methyl-10-oxo- dihydro-3,7,8-trihydroxy-3-methyl-10-oxo- Here Section 15. Regulatory Information No CAA HAP,ODC: No; CWA NPD PROP.65: No	A. Transport Information         mods.         modes.         modes.	313 (TRI)
PORT (US DOT):         ping Name:       Not dangerous goods.         s:         PORT (European ADR/RID):         g Name:       Not dangerous goods.         PRT (ICAO/IATA):         ing Name:       Not dangerous goods.         PRT (ICAO/IATA):         ing Name:       Not dangerous goods.         Transport in accordance with local, state, and federal regulations.         Section 15. Regulatory Information         Id Amendments and Reauthorization Act of 1986) Lists         rdous Components (Chemical Name)       S. 302 (EHS)       S. 304 RQ         1-Pyrano[4,3-b][1]benzopyran-9-carboxylic       No       No         dihydro-3,7,8-trihydroxy-3-methyl-10-oxo-       CAA HAP,ODC: No; CWA NPE PROP.65: No	nods. nods. nods. nce with local, state, and federal regulations. Regulatory Information tion Act of 1986) Lists ame) S. 302 (EHS) S. 304 RQ S. 313 (T rboxylic No No No 0-oxo- ame) Other US EPA or State Lists	313 (TRI)
ping Name:       Not dangerous goods.         s:       PORT (European ADR/RID):         g Name:       Not dangerous goods.         PRT (ICAO/IATA):	nods. nods. nee with local, state, and federal regulations. Regulatory Information         tion Act of 1986) Lists         ame)       S. 302 (EHS)       S. 304 RQ       S. 313 (T         rboxylic       No       No       No         0-oxo-       Uther US EPA or State Lists       Second State Lists	313 (TRI)
s: PORT (European ADR/RID): g Name: Not dangerous goods. PRT (ICAO/IATA): ing Name: Not dangerous goods. Transport in accordance with local, state, and federal regulations. Transport in accordance with local, state, and federal regulations. <u>Section 15. Regulatory Information</u> ad Amendments and Reauthorization Act of 1986) Lists rdous Components (Chemical Name) <u>S. 302 (EHS)</u> <u>S. 304 RQ</u> 1-Pyrano[4,3-b][1]benzopyran-9-carboxylic No No dihydro-3,7,8-trihydroxy-3-methyl-10-oxo- rdous Components (Chemical Name) Other US EPA or State Lists 1-Pyrano[4,3-b][1]benzopyran-9-carboxylic CAA HAP,ODC: No; CWA NPD PROP.65: No	nods. nods. nee with local, state, and federal regulations. Regulatory Information         tion Act of 1986) Lists         ame)       S. 302 (EHS)       S. 304 RQ       S. 313 (T         rboxylic       No       No       No         0-oxo-       Uther US EPA or State Lists       Second State Lists	313 (TRI)
PORT (European ADR/RID):         g Name:       Not dangerous goods.         PRT (ICAO/IATA):         ing Name:       Not dangerous goods.         Transport in accordance with local, state, and federal regulations.         Section 15. Regulatory Information         d Amendments and Reauthorization Act of 1986) Lists         rdous Components (Chemical Name)         1-Pyrano[4,3-b][1]benzopyran-9-carboxylic       No       No         dihydro-3,7,8-trihydroxy-3-methyl-10-oxo-       Other US EPA or State Lists       CAA HAP,ODC: No; CWA NPD PROP.65: No	nods. Ince with local, state, and federal regulations. Regulatory Information Intion Act of 1986) Lists Internation S. 302 (EHS) S. 304 RQ S. 313 (T rboxylic No No No 0-oxo- Internation State Lists	313 (TRI)
g Name:       Not dangerous goods.         PRT (ICAO/IATA):	nods. Ince with local, state, and federal regulations. Regulatory Information Intion Act of 1986) Lists Internation S. 302 (EHS) S. 304 RQ S. 313 (T rboxylic No No No 0-oxo- Internation State Lists	313 (TRI)
g Name:       Not dangerous goods.         PRT (ICAO/IATA):	nods. Ince with local, state, and federal regulations. Regulatory Information Intion Act of 1986) Lists Internation S. 302 (EHS) S. 304 RQ S. 313 (T rboxylic No No No 0-oxo- Internation State Lists	313 (TRI)
PRT (ICAO/IATA): ing Name: Not dangerous goods. Transport in accordance with local, state, and federal regulations.         Section 15. Regulatory Information         ad Amendments and Reauthorization Act of 1986) Lists         rdous Components (Chemical Name)       S. 302 (EHS)         1-Pyrano[4,3-b][1]benzopyran-9-carboxylic       No         http://docs.org/penets/period       Other US EPA or State Lists         rdous Components (Chemical Name)       CAA HAP,ODC: No; CWA NPD PROP.65: No	nods. Ince with local, state, and federal regulations. Regulatory Information Intion Act of 1986) Lists Internation S. 302 (EHS) S. 304 RQ S. 313 (T rboxylic No No No 0-oxo- Internation State Lists	313 (TRI)
Not dangerous goods.         Transport in accordance with local, state, and federal regulations.         Section 15. Regulatory Information         ad Amendments and Reauthorization Act of 1986) Lists         rdous Components (Chemical Name)       S. 302 (EHS)       S. 304 RQ         1-Pyrano[4,3-b][1]benzopyran-9-carboxylic       No       No         dihydro-3,7,8-trihydroxy-3-methyl-10-oxo-         Todous Components (Chemical Name)       Other US EPA or State Lists         1-Pyrano[4,3-b][1]benzopyran-9-carboxylic       CAA HAP,ODC: No; CWA NPD PROP.65: No	aree with local, state, and federal regulations.         Regulatory Information         tion Act of 1986) Lists         ame)       S. 302 (EHS)       S. 304 RQ       S. 313 (T         rboxylic       No       No         0-oxo-       Other US EPA or State Lists	313 (TRI)
Not dangerous goods.         Transport in accordance with local, state, and federal regulations.         Section 15. Regulatory Information         ad Amendments and Reauthorization Act of 1986) Lists         rdous Components (Chemical Name)       S. 302 (EHS)       S. 304 RQ         1-Pyrano[4,3-b][1]benzopyran-9-carboxylic       No       No         dihydro-3,7,8-trihydroxy-3-methyl-10-oxo-         Todous Components (Chemical Name)       Other US EPA or State Lists         1-Pyrano[4,3-b][1]benzopyran-9-carboxylic       CAA HAP,ODC: No; CWA NPD PROP.65: No	aree with local, state, and federal regulations.         Regulatory Information         tion Act of 1986) Lists         ame)       S. 302 (EHS)       S. 304 RQ       S. 313 (T         rboxylic       No       No         0-oxo-       Other US EPA or State Lists	313 (TRI)
Not dangerous goods.         Transport in accordance with local, state, and federal regulations.         Section 15. Regulatory Information         ad Amendments and Reauthorization Act of 1986) Lists         rdous Components (Chemical Name)       S. 302 (EHS)       S. 304 RQ         1-Pyrano[4,3-b][1]benzopyran-9-carboxylic       No       No         dihydro-3,7,8-trihydroxy-3-methyl-10-oxo-         Todous Components (Chemical Name)       Other US EPA or State Lists         1-Pyrano[4,3-b][1]benzopyran-9-carboxylic       CAA HAP,ODC: No; CWA NPD PROP.65: No	aree with local, state, and federal regulations.         Regulatory Information         tion Act of 1986) Lists         ame)       S. 302 (EHS)       S. 304 RQ       S. 313 (T         rboxylic       No       No         0-oxo-       Other US EPA or State Lists	313 (TRI)
Section 15. Regulatory Information         ad Amendments and Reauthorization Act of 1986) Lists         rdous Components (Chemical Name)       S. 302 (EHS)       S. 304 RQ         1-Pyrano[4,3-b][1]benzopyran-9-carboxylic       No       No         dihydro-3,7,8-trihydroxy-3-methyl-10-oxo-       Other US EPA or State Lists         rdous Components (Chemical Name)       Other US EPA or State Lists         1-Pyrano[4,3-b][1]benzopyran-9-carboxylic       CAA HAP,ODC: No; CWA NPD PROP.65: No	Regulatory Information         tion Act of 1986) Lists         ame)       S. 302 (EHS)       S. 304 RQ       S. 313 (T         rboxylic       No       No         0-oxo-       0       0       No       No         ame)       Other US EPA or State Lists	313 (TRI)
or o	S. 302 (EHS)         S. 304 RQ         S. 313 (T           rboxylic         No         No         No           0-oxo-         Other US EPA or State Lists         Other US EPA or State Lists	313 (TRI)
or o	S. 302 (EHS)         S. 304 RQ         S. 313 (T           rboxylic         No         No         No           0-oxo-         Other US EPA or State Lists         Other US EPA or State Lists	313 (TRI)
rdous Components (Chemical Name)S. 302 (EHS)S. 304 RQI-Pyrano[4,3-b][1]benzopyran-9-carboxylicNoNodihydro-3,7,8-trihydroxy-3-methyl-10-oxo-NoNordous Components (Chemical Name)Other US EPA or State ListsI-Pyrano[4,3-b][1]benzopyran-9-carboxylicCAA HAP,ODC: No; CWA NPD PROP.65: No	ame)S. 302 (EHS)S. 304 RQS. 313 (TrboxylicNoNoNo0-oxo-Other US EPA or State Lists	313 (TRI)
I-Pyrano[4,3-b][1]benzopyran-9-carboxylic       No       No         dihydro-3,7,8-trihydroxy-3-methyl-10-oxo-       Other US EPA or State Lists         rdous Components (Chemical Name)       Other US EPA or State Lists         I-Pyrano[4,3-b][1]benzopyran-9-carboxylic       CAA HAP,ODC: No; CWA NPD PROP.65: No	rboxylic No No No 0-oxo- Other US EPA or State Lists	313 (TRI)
dihydro-3,7,8-trihydroxy-3-methyl-10-oxo-         rdous Components (Chemical Name)         1-Pyrano[4,3-b][1]benzopyran-9-carboxylic         CAA HAP,ODC: No; CWA NPD PROP.65: No	0-oxo- Other US EPA or State Lists	
rdous Components (Chemical Name)       Other US EPA or State Lists         I-Pyrano[4,3-b][1]benzopyran-9-carboxylic       CAA HAP,ODC: No; CWA NPD PROP.65: No	ame) Other US EPA or State Lists	
rdous Components (Chemical Name)       Other US EPA or State Lists         I-Pyrano[4,3-b][1]benzopyran-9-carboxylic       CAA HAP,ODC: No; CWA NPD PROP.65: No	ame) Other US EPA or State Lists	
I-Pyrano[4,3-b][1]benzopyran-9-carboxylic CAA HAP,ODC: No; CWA NPD PROP.65: No		
		CA: No; CA
dihydro-3,7,8-trihydroxy-3-methyl-10-oxo-		
This SDS was prepared in accordance with 29 CFR 1910.1200 an	d in accordance with 29 CFR 1910.1200 and Regulation (EC)	(EC)
Section 16. Other Information	6. Other Information	
11/09/2018		
n About No data available.		
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currently available to us. However, we make no warranty of merch	us. However, we make no warranty of merchantability or any oth	ny other warran
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