

SAFETY DATA SHEET SB 415286

Revision: 07/23/2018 Supersedes Revision: 09/24/2013

-	CHEMICAL		Supersedes Revision: 09/24/201
	accor	ding to Regulation (EC) No. 1907/2006 as amended by	(EC) No. 1272/2008
	Section 1. Id	entification of the Substance/Mixture and of the	he Company/Undertaking
.1	Product Code: Product Name:	10010247 SB 415286	
	Synonyms:	3-[(3-chloro-4-hydroxyphenyl)amino]-4-(2-nitro	pphenyl)-1H-pyrrole-2,5-dione;
2	Relevant identified uses of	the substance or mixture and uses advised ag	jainst:
	Relevant identified uses:	For research use only, not for human or veteri	nary use.
3	Details of the Supplier of the	e 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 numb	ber:	
	Emergency Contact:	CHEMTREC Within USA and Canada: CHEMTREC Outside USA and Canada:	+1 (800)424-9300 +1 (703)527-3887
		Section 2. Hazards Identific	ation
1	Classification of the Substa	noo on Mississo	
2	Serious Eye Damage/Eye Specific Target Organ Too Label Elements:	Irritation, Category 2 kicity (single exposure), Category 3	
2	Specific Target Organ To		
2	Specific Target Organ To		
2	Specific Target Organ Tox Label Elements: GHS Signal Word: GHS Hazard Phrases:	kicity (single exposure), Category 3 Warning	
2	Specific Target Organ Tox Label Elements: GHS Signal Word: GHS Hazard Phrases: H315: Causes skin irritation	kicity (single exposure), Category 3 Warning	
2	Specific Target Organ Tox Label Elements: GHS Signal Word: GHS Hazard Phrases: H315: Causes skin irritation H319: Causes serious eye i	kicity (single exposure), Category 3 Warning	
2	Specific Target Organ Tox Label Elements: GHS Signal Word: GHS Hazard Phrases: H315: Causes skin irritation H319: Causes serious eye i H335: May cause respirator	wicity (single exposure), Category 3 Warning Warning wirritation.	
2	Specific Target Organ Tox Label Elements: GHS Signal Word: GHS Hazard Phrases: H315: Causes skin irritation H319: Causes serious eye i H335: May cause respirator GHS Precaution Phrases:	wicity (single exposure), Category 3 Warning Warning wirritation.	
2	Specific Target Organ Tox Label Elements: GHS Signal Word: GHS Hazard Phrases: H315: Causes skin irritation H319: Causes serious eye i H335: May cause respirator GHS Precaution Phrases: P264: Wash {hands} thorou	wicity (single exposure), Category 3 Warning Warning irritation. ry irritation.	
2	Specific Target Organ Tox Label Elements: GHS Signal Word: GHS Hazard Phrases: H315: Causes skin irritation H319: Causes serious eye i H335: May cause respirator GHS Precaution Phrases: P264: Wash {hands} thorou P280: Wear {protective glow	Warning Warning wirritation. Ty irritation. Ty irritation.	ion}.
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2.3		e Human Health	Causes serious eye irritation Causes skin irritation.			
	Effects	and Symptoms:	Material is irritating to the mu	icous membranes a	und upper respirate	onv tract
			May be harmful by inhalation			
			May cause respiratory irritation			
			The toxicological properties of	of this product have	not been fully eva	aluated.
		Sec	tion 3. Composition	/Information	on Ingredie	ents
CAS : RTEC		Hazardous Com REACH Registra	ponents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	GHS Classification
26421	18-23-7	SB 415286		100.0 %	636-771-0	Skin Corr. 2: H315
UX900	00000				NA	Eye Damage 2: H319
						STOT (SE) 3: H335 H336
			Section 4. Fi	rst Aid Meas	ures	
4.1	Descrip	otion of First Aid				
	Measur	res:				
	In Case	e of Inhalation:			al respiration or gi	ve oxygen by trained personnel.
			Get immediate medical attent			
	In Case	e of Skin Contact:	-			0 minutes. Remove contaminated
			clothing. Get medical attentio		-	
	In Case	e of Eye Contact:	and tested by medical persor		water for at least 2	0 minutes. Have eyes examined
	In Case	of Ingestion:	Wash out mouth with water p		onscious. Never a	ive anything by mouth to an
	in ouoc	, et ingeenem	•	•	•	ng unless directed to do so by
			medical personnel.			
			Section 5. Fire	Fighting Me	asures	
5.1	Suitabl	e Extinguishing	Use alcohol-resistant foam, o	arbon dioxide, wate	er, or dry chemical	l spray.
	Media:		Use water spray to cool fire-e	exposed containers.		
	Unsuita	able Extinguishing	g A solid water stream may be	inefficient.		
	Media:					
5.2		-	dNo data available.			
	Hazard	s:				
			No data available.			
	Flash F		No data.			
	-	ive Limits:	LEL: No data.	UEL: No d	ata.	
	-	nition Pt:	No data.			
5.3	Fire Fig	phting Instructions	s: As in any fire, wear self-cont		-	
			equivalent), and full protectiv	e gear to prevent co	ontact with skin ar	nd eyes.



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		Section 6. Accidental Release Measures
6.1	Protective Precautions,	Avoid raising and breathing dust, and provide adequate ventilation.
		As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,
		and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).
6.2	• •	Take steps to avoid release into the environment, if safe to do so.
	Precautions:	
6.3		Contain spill and collect, as appropriate.
		Transfer to a chemical waste container for disposal in accordance with local regulations.
	Up:	
	•	Section 7 Handling and Storage
	Drocoutions To Do Takon	Section 7. Handling and Storage
7.1		Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid prolonged or repeated exposure.
7.0	•	
7.2		Keep container tightly closed. Store in accordance with information listed on the product insert.
	in Storing:	
	Secti	on 8. Exposure Controls/Personal Protection
8.1	Exposure Parameters:	
8.2	Exposure Controls:	
8.2.1	Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne
	(Ventilation etc.):	levels below recommended exposure limits.
8.2.2	Personal protection equip	ment:
	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.
	ce Practices:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety
	:	shower.
		Wash thoroughly after handling.
		No data available.
	Se	ction 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):	No data.
		Multi-region format



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Multi-region format

	ara.car					0.		Jon. 00/24/2010
	Specific	Gravity (Water =	1):	No data.				
	Solubilit	y in Water:		No data.				
	Solubilit	y Notes:		~16 mg/ml in DMSO;				
	Octanol	Water Partition		No data.				
	Coefficie	ent:						
	Autoign	ition Pt:		No data.				
	Decomp	osition Temperat	ure:	No data.				
	Viscosit	y:		No data.				
9.2	Other Inf	ormation						
	Percent	Volatile:		No data.				
	Molecul	ar Formula & Weig	ght:	C16H10CIN3O5 359.7				
			-	Section 10. Stability a	nd Reac	tivitv		
10.1	Reactivi	tv-		ta available.		livity		
10.1	Stability	-		ble [] Stable [X]				
10.3	-	Note(s):		e if stored in accordance with info	rmation lister	l on the product	insort	
	Polymer			ccur [] Will not occur [X]				
40.4	-	ons To Avoid:						
10.4				ta available.				
10.5		atibility - Materials	strong	oxidizing agents				
	To Avoi							
10.6	Hazardo			n dioxide				
	=	osition or		n monoxide				
	Byprodu	icts:		gen chloride gas en oxides				
<u> </u>			-					
L				ection 11. Toxicologic				
11.1	Informat			oxicological effects of this produc				
		ogical Effects:		5286 - Toxicity Data: Subcutane				-
	Chronic	Toxicological	•	select Registry of Toxic Effects of		•	CS) data is pre	sented here.
	Effects:			ctual entry in RTECS for complete				
			SB 41	5286 RTECS Number: UX90000	00			
CAS	#	Hazardous Com	ponent	ts (Chemical Name)	NTP	IARC	ACGIH	OSHA
2642	18-23-7	SB 415286			n.a.	n.a.	n.a.	n.a.
			S	Section 12. Ecologica	l Informa	ition		
12.1	Toxicity		Avoid	release into the environment.				
	-		Runof	f from fire control or dilution wate	r may cause	pollution.		
12.2	Persiste	nce and	No da	ta available.				
	Degrada	bility:						
12.3	-	mulative	No dat	ta available.				
12.0	Potentia		no da					
12.4	Mobility		No dat	ta available.				
	-							
12.5		of PBT and vPvB	INU UA					
40.5	assessn		NI .	te evellette				
12.6	Other ac	lverse effects:	No da	ta available.				



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14.1 LAND DOT Prop DOT Haza UN/NA Nu 14.1 LAND ADR/RID S UN Numbe Hazard Cla 14.3 AIR TR	TRANSPORT (US I er Shipping Name: rd Class: mber: TRANSPORT (Euro shipping Name: er: ass: ANSPORT (ICAO/ Shipping Name:	Not dangerous goods.	al, state, and federal	l regulations.	
14.1 LAND DOT Prop DOT Haza UN/NA Nu 14.1 LAND ADR/RID S UN Numbe Hazard Cla 14.3 AIR TR ICAO/IATA Additional Tra	TRANSPORT (US I er Shipping Name: rd Class: mber: TRANSPORT (Euro shipping Name: er: ass: ANSPORT (ICAO/ Shipping Name:	Section 14. Tran DOT): Mot dangerous goods. Opean ADR/RID): Not dangerous goods. IATA): Not dangerous goods.	nsport Informa	-	
DOT Prop DOT Haza UN/NA Nu 14.1 LAND ADR/RID S UN Numbe Hazard Cla 14.3 AIR TR ICAO/IATA Additional Tra	er Shipping Name rd Class: mber: TRANSPORT (Euro Shipping Name: er: ass: ANSPORT (ICAO/ Shipping Name:	DOT): : Not dangerous goods. opean ADR/RID): Not dangerous goods. IATA): Not dangerous goods.		ation	
DOT Prop DOT Haza UN/NA Nu 14.1 LAND ADR/RID S UN Numbe Hazard Cla 14.3 AIR TR ICAO/IATA	er Shipping Name rd Class: mber: TRANSPORT (Euro Shipping Name: er: ass: ANSPORT (ICAO/ Shipping Name:	Not dangerous goods.	ocal state and feder		
DOT Haza UN/NA Nu 14.1 LAND ADR/RID S UN Numbe Hazard Cla 14.3 AIR TR ICAO/IATA Additional Tra	rd Class: mber: TRANSPORT (Euro shipping Name: er: ass: ANSPORT (ICAO/ Shipping Name:	opean ADR/RID): Not dangerous goods. IATA): Not dangerous goods.	ocal state and feder		
UN/NA Nu 14.1 LAND ADR/RID S UN Numbe Hazard Cla 14.3 AIR TR ICAO/IATA Additional Tra	mber: [RANSPORT (Euro Shipping Name: er: ass: ANSPORT (ICAO/ A Shipping Name:	Not dangerous goods. IATA): Not dangerous goods.	ocal state and feder		
14.1 LAND ADR/RID S UN Numbe Hazard Cla 14.3 AIR TR ICAO/IATA Additional Tra	FRANSPORT (Euro Shipping Name: er: ass: ANSPORT (ICAO/ Shipping Name:	Not dangerous goods. IATA): Not dangerous goods.	ocal state and feder		
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Hazard Cla 14.3 AIR TR ICAO/IATA Additional Tra	ass: ANSPORT (ICAO/I A Shipping Name:	Not dangerous goods.	ocal state and feder		
14.3 AIR TR ICAO/IATA Additional Tra	ANSPORT (ICAO/ Shipping Name:	Not dangerous goods.	ocal state and feder		
ICAO/IATA Additional Tra	Shipping Name:	Not dangerous goods.	ocal state and feder		
	nsport	Transport in accordance with lo	ocal state and feder		
Information:			ocal, state, and reder	al regulations.	
		Section 15. Regu	llatory Informa	ation	
EPA SARA (S	uperfund Amendm	nents and Reauthorization Act	of 1986) Lists		
CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
264218-23-7	SB 415286		No	No	No
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or	State Lists	
264218-23-7	SB 415286		CAA HAP,ODC: I PROP.65: No	No; CWA NPDES:	No; TSCA: No; CA
Regulatory Inf	ormation	This SDS was prepared in acco	ordance with 29 CFR	1910.1200 and R	egulation (EC)
Statement:		No.1272/2008.			
		Section 16. Ot	her Informatio	วท	
Revision Date		07/23/2018			
	rmation About	07/23/2018 No data available.			
	rmation About				
Additional Info This Product:	rmation About cy or Disclaimer:	No data available. DISCLAIMER: This information		-	
Additional Info This Product:		No data available. DISCLAIMER: This information currently available to us. Howe	ver, we make no war	rranty of merchanta	ability or any other warrant
Additional Info This Product:		No data available. DISCLAIMER: This information currently available to us. Howe express or implied, with respect	ver, we make no war at to such information	rranty of merchanta , and we assume n	ability or any other warrant no liability resulting from its
Additional Info This Product:		No data available. DISCLAIMER: This information currently available to us. Howe	ver, we make no war at to such information	rranty of merchanta , and we assume n	ability or any other warrant no liability resulting from its
Additional Info This Product:		No data available. DISCLAIMER: This information currently available to us. Howe express or implied, with respect use. Users should make their of	ver, we make no war at to such information	rranty of merchanta , and we assume n	ability or any other warrant no liability resulting from its
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Additional Info This Product:		No data available. DISCLAIMER: This information currently available to us. Howe express or implied, with respect use. Users should make their of	ver, we make no war at to such information	rranty of merchanta , and we assume n	ability or any other warrant no liability resulting from its
Additional Info This Product:		No data available. DISCLAIMER: This information currently available to us. Howe express or implied, with respect use. Users should make their of	ver, we make no war at to such information	rranty of merchanta , and we assume n	ability or any other warrant no liability resulting from its
Additional Info This Product:		No data available. DISCLAIMER: This information currently available to us. Howe express or implied, with respect use. Users should make their of	ver, we make no war at to such information	rranty of merchanta , and we assume n	ability or any other warrant no liability resulting from its
Additional Info This Product:		No data available. DISCLAIMER: This information currently available to us. Howe express or implied, with respect use. Users should make their of	ver, we make no war at to such information	rranty of merchanta , and we assume n	ability or any other warrant no liability resulting from its
Additional Info This Product:		No data available. DISCLAIMER: This information currently available to us. Howe express or implied, with respect use. Users should make their of	ver, we make no war at to such information	rranty of merchanta , and we assume n	ability or any other warrant no liability resulting from its
Additional Info This Product:		No data available. DISCLAIMER: This information currently available to us. Howe express or implied, with respect use. Users should make their of	ver, we make no war at to such information	rranty of merchanta , and we assume n	ability or any other warrant no liability resulting from its
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