

Revision: 05/16/2019

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		Section 1 Ide	entification of the Substand	ce/IV/lixture and of	the Comnany/Lli	ndertaking	
					the company/or	писнакіну	
.1	Product		21548				
	Product Synony		BMS 986188	hovulphopull 245	670 boxabudro (3,3,6,6-tetramethyl-1H-xanther	
	Synony		,8(2H)-dione;	noxy]pnenyi]-3,4,3,	0,7,9-nexanyuro-c	5,5,0,0-tetrametryi- m-xantriei	
.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	tails of the Supplier of the Safety Data Sheet:					
	Comp	any Name:	Cayman Chemical Compa 1180 E. Ellsworth Rd.	any			
	Wah a	ite address:	Ann Arbor, MI 48108				
	Inform		www.caymanchem.com Cayman Chemical Compa		1 (72)	4)071 2225	
				any	+1 (73	4)971-3335	
.4	-	ncy telephone numb ency Contact:	CHEMTREC Within USA	and Canada.	±1 (80	0)424-9300	
	Linerg	ency contact.	CHEMTREC Outside USA			3)527-3887	
			Section 2. Haz	ards Identifi	cation		
2.1	Classifi	cation of the Substar	ce or Mixture:				
	Label Elements:						
2.2	Label El	ements:					
2.2		ements: ignal Word:	None				
2.2	GHS S		None				
2.2	GHS S GHS H	ignal Word: Iazard Phrases:	None ently available data this subs	tance or mixture is	not classifiable ac	ccording to GHS.	
2.2	GHS S GHS H Based	ignal Word: Iazard Phrases:		tance or mixture is	not classifiable ac	ccording to GHS.	
2.2	GHS S GHS H Based GHS F	Signal Word: Hazard Phrases: on evaluation of curre		tance or mixture is	not classifiable ac	ccording to GHS.	
2.2	GHS S GHS H Based GHS H No ph	Signal Word: Hazard Phrases: on evaluation of curre Precaution Phrases:		tance or mixture is	not classifiable ac	ccording to GHS.	
2.2	GHS S GHS F Based GHS F No ph GHS F	Fignal Word: Hazard Phrases: on evaluation of curre Precaution Phrases: rases apply.		tance or mixture is	not classifiable ac	cording to GHS.	
2.2	GHS S GHS H Based GHS F No ph GHS F	Signal Word: Hazard Phrases: on evaluation of curre Precaution Phrases: rases apply. Response Phrases:	ently available data this subs	tance or mixture is	not classifiable ac	ccording to GHS.	
	GHS S GHS H Based GHS F No ph GHS F Please	Fignal Word: Hazard Phrases: on evaluation of curre Precaution Phrases: rases apply. Response Phrases: rases apply. Storage and Disposal e refer to Section 7 for	ently available data this subs Phrases: Storage and Section 13 for	Disposal informatic	n.		
	GHS S GHS F Based GHS F No phi GHS S Please Advers	Signal Word: Hazard Phrases: on evaluation of curre Precaution Phrases: rases apply. Response Phrases: rases apply. Storage and Disposal e refer to Section 7 for e Human Health	Phrases: Storage and Section 13 for aterial may be irritating to th	Disposal informatic	n. nes and upper res		
	GHS S GHS F Based GHS F No phi GHS S Please Advers	Signal Word: Hazard Phrases: on evaluation of curre Precaution Phrases: rases apply. Response Phrases: rases apply. Storage and Disposal e refer to Section 7 for e Human Health M and Symptoms: M	Phrases: Storage and Section 13 for aterial may be irritating to th ay be harmful by inhalation,	Disposal informatio le mucous membra ingestion, or skin a	n. nes and upper res absorption.		
	GHS S GHS F Based GHS F No phi GHS S Please Advers	Signal Word: Hazard Phrases: on evaluation of curre Precaution Phrases: rases apply. Response Phrases: rases apply. Storage and Disposate e refer to Section 7 for e Human Health M and Symptoms: M	Phrases: Storage and Section 13 for aterial may be irritating to th ay be harmful by inhalation, ay cause eye, skin, or respin	Disposal informatic ne mucous membra ingestion, or skin a ratory system irritat	n. nes and upper res absorption. ion.	spiratory tract.	
	GHS S GHS F Based GHS F No phi GHS S Please Advers	Signal Word: Hazard Phrases: on evaluation of curre Precaution Phrases: rases apply. Response Phrases: rases apply. Storage and Disposate e refer to Section 7 for e Human Health M and Symptoms: M T	Phrases: Storage and Section 13 for aterial may be irritating to th ay be harmful by inhalation, ay cause eye, skin, or respin	Disposal informatic ne mucous membra ingestion, or skin a ratory system irritat , the toxicological p	n. nes and upper res absorption. ion. roperties have not	spiratory tract. t been thoroughly investigated	
2.2 CAS	GHS S GHS F Based GHS F No phi GHS S Please Advers Effects	Signal Word: Hazard Phrases: on evaluation of curre Precaution Phrases: rases apply. Response Phrases: rases apply. Storage and Disposal e refer to Section 7 for e Human Health M and Symptoms: M M The Sectio	Phrases: Storage and Section 13 for aterial may be irritating to th ay be harmful by inhalation, ay cause eye, skin, or respin to the best of our knowledge, n 3. Composition/	Disposal informatic ne mucous membra ingestion, or skin a ratory system irritat , the toxicological p	n. nes and upper res absorption. ion. roperties have not	spiratory tract. t been thoroughly investigated	
2.3	GHS S GHS F Based GHS F No phi GHS S Please Advers Effects	Signal Word: Hazard Phrases: on evaluation of curre Precaution Phrases: rases apply. Response Phrases: rases apply. Storage and Disposal e refer to Section 7 for e Human Health M and Symptoms: M M The Sectio	Phrases: Storage and Section 13 for aterial may be irritating to th ay be harmful by inhalation, ay cause eye, skin, or respin to the best of our knowledge, n 3. Composition/ ents (Chemical Name)/	Disposal informatic ie mucous membra ingestion, or skin a ratory system irritat , the toxicological p /Information	n. nes and upper res absorption. ion. roperties have not on Ingredie	spiratory tract. t been thoroughly investigated nts	

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		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 Instruction	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	Take steps to avoid release into the environment, if safe to do so.
	Precautions:	
6.3		r Contain spill and collect, as appropriate.
		hgTransfer 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	Neep 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	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne				
	(Ventilation etc.):	vels below recommended exposure limits.				
8.2.2	Personal protection equipment:					
	Eye Protection:	ety glasses				
	Protective Gloves:	Compatible chemical-resistant gloves				
	Other Protective Clothing:Lab coat					
	Respiratory Equipment	SH 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 showe				
		ash thoroughly after handling.				
		lata available.				
	Se	ction 9. Physical and Chemical Properties				
9.1		cal and Chemical Properties				
5.1	Physical States:	[]Gas []Liquid [X]Solid				
	Appearance and Odor:	A 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.				
	Specific Gravity (Water = 1): No data.				
	Solubility in Water:	No data.				
	Solubility Notes:	Soluble in: DMSO;				
	Octanol/Water Partition	No data.				
	Coefficient:					
	Autoignition Pt:	No data.				
	Decomposition Temperatu	re: No data.				
	Viscosity:	No data.				
9.2	Other Information					
	Percent Volatile:	No data.				
	Molecular Formula & Weig	ht: C30H31BrO4 535.5				

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0.2 \$ 0.3 \$ 0.4 (0.5 0.6 1.1 1.1 7 CAS #	Incompati To Avoid: Hazardous Decompos Byproduct Informatio Toxicolog	ote(s): ation: s To Avoid: bility - Materials s sition or ts: n on ical Effects:	No data available. Unstable [] Stable [X] Stable if stored in accordance with Will occur [] Will not occur [X No data available. No data available. No data available. Section 11. Toxicolog The toxicological effects of this prod	gical Informa		insert.		
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0.4 (0.5 0.6 1.1 1.1 7 CAS #	Polymeriz Condition Incompati To Avoid: Hazardous Decompos Byproduct Informatio Toxicolog	ation: s To Avoid: bility - Materials s sition or ts: n on ical Effects:	Will occur [] Will not occur [X No data available. No data available. No data available. Section 11. Toxicolog	gical Informa		insert.		
0.4 (0.5 0.6 1.1 1.1 1.77611	Condition Incompati To Avoid: Hazardous Decompos Byproduct Informatio Toxicolog	s To Avoid: bility - Materials s sition or ts: n on ical Effects:	No data available. No data available. No data available. Section 11. Toxicolog	gical Informa	ation			
0.5 0.6 1.1 CAS # 177611	Incompati To Avoid: Hazardous Decompos Byproduct Informatio Toxicolog	bility - Materials s sition or ts: n on ical Effects:	No data available. No data available. Section 11. Toxicolog		ation			
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1.1 I CAS #	Decompos Byproduct Informatio Toxicolog	sition or ts: n on ical Effects:	Section 11. Toxicolog		ation			
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C AS # 177611	Toxicolog	ical Effects:			ation			
C AS # 177611	Toxicolog	ical Effects:	The toxicological effects of this proc	duct have not beer				
CAS # 177611	ŀ				n thoroughly st	udied.		
177611		lazardous Com						
	5-10-6 E		ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
2.1	I	3MS 986188		n.a.	n.a.	n.a.	n.a.	
2.1			Section 12. Ecologi	cal Informat	ion			
	Toxicity:		Avoid release into the environment.					
	loxiony.		Runoff from fire control or dilution water may cause pollution.					
2.2	Persistend	e and	No data available.					
Degradability:								
12.3 Bioaccum		-	No data available.					
	Potential:							
2.4			No data available.					
	-		No data available.					
á	assessme	nt:						
2.6	Other adv	erse effects:	No data available.					
			Section 13. Disposal	Considerat	ions			
3.1 \	Waste Dis	posal Method:	Dispose in accordance with local, s					
			Section 14. Transp		-			
14.4								
		ANSPORT (US [-					
	T Hazard	Shipping Name:	Not dangerous goods.					
	/NA Numb							
			opean ADR/RID):					
		-						
	.DR/RID Shipping Name: Not dangerous goods.							
-	zard Class	:						
1142	-414 01433	-						

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Cayman

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 Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
1776115-10-6	BMS 986188		No	No	No	
CAS #	# Hazardous Components (Chemical Name)		Other US EPA or State Lists			
1776115-10-6	BMS 986188		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
Regulatory Information Statement:		This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.				
		Section 16. Oth	er Informatio	n		
Revision Date:		05/16/2019				
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.				