

Revision: 12/10/2016

		acc	cording to Regulation (EC) No. 190)7/2006 as amended by	y (EC) No. 1272/200	8		
		Section 1.	Identification of the Substar	nce/Mixture and of	the Company/U	ndertaking		
1.1	Product Code: 19375 Product Name: Lenvatinib Synonyms: 4-[3-chloro-4-[[(cyclopropylamino)carbonyl]amino]phenoxy]-7-methoxy-6-quinolinecarboxan E-7080; ER-203492-00;							
1.2 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.Details of the Supplier of the Safety Data Sheet:							
1.3								
	-	any Name:	Cayman Chemical Comp 1180 E. Ellsworth Rd. Ann Arbor, MI 48108	pany				
		ite address: nation:	www.caymanchem.com Cayman Chemical Comp	any	±1 (73)	4)971-3335		
				Jany	+1 (73	+)971-3333		
1.4	-	ncy telephone nui gency Contact:	CHEMTREC Within USA CHEMTREC Outside US			0)424-9300 3)527-3887		
			Section 2. Haz	zards Identific	cation			
2.1 Classification of the Substance or Mixture:								
2.2	Label E	lements:						
	GHS Signal Word: None GHS Hazard Phrases: Based on evaluation of currently available data this substance or mixture is not classifiable according to GHS. GHS Precaution Phrases: No phrases apply. GHS Response Phrases: No phrases apply. GHS Storage and Disposal Phrases: Storage and Disposal Phrases:							
	Please	e refer to Section 7	for Storage and Section 13 for	Disposal information	n.			
2.3	Adverse Human HealthMaterial may be irritating to the mucous membranes and upper respiratory tract.Effects and Symptoms:May be harmful by inhalation, ingestion, or skin absorption. May cause eye, skin, or respiratory system irritation. To the best of our knowledge, the toxicological properties have not been thoroughly investigated.							
		Sect	tion 3. Composition	/Information	on Ingredie	nts		
		Hazardous Components (Chemical Name)/ REACH Registration No.		1	1	1		
CAS RTE	# / CS #	-		Concentration	EC No./ EC Index No.	GHS Classification		

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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:	a A solid water stream may be inefficient.
5.2	Flammable Properties an 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 Cleanir	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	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:						
0.2.1		process enclosures, local exhaust ventilation, or other engineering controls to control airborne below recommended exposure limits.					
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8.2.2	Personal protection equipment:						
	-	Safety glasses					
		Compatible chemical-resistant gloves					
	Other Protective Clothing:Lab coat						
		A approved respirator, as conditions warrant.					
	(Specify Type):						
	Work/Hygienic/Maintenan Do not take internally.						
		Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower					
		Wash thoroughly after handling.					
	ſ	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	mm No data.					
	Hg):						
	Vapor Density (vs. Air = 1):	No data.					
	Specific Gravity (Water = 1)): No data.					
	Solubility in Water:	No data.					
	Solubility Notes:	~0.16 mg/ml in a 1:5 solution of DMSO:PBS (pH 7.2); ~1 mg/ml in DMSO & DMF;					
	Octanol/Water Partition	No data.					
	Coefficient:						
	Autoignition Pt:	No data.					
	Decomposition Temperatur	re: No data.					
	Viscosity:	No data.					
9.2	Other Information						
	Percent Volatile:	No data.					
	Molecular Formula & Weigl						

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			Section 10. Stability and	React	ivity				
10.1	Reactivit	y:	No data available.						
10.2	Stability:	:	Unstable [] Stable [X]						
10.3	Stability	Note(s):	Stable if stored in accordance with informa	tion listed	on the product	insert.			
	Polymerization:		Will occur [] Will not occur [X]						
10.4	Conditio	ns To Avoid:	No data available.						
10.5	Incompa	tibility - Materials	strong oxidizing agents						
To Avoid:									
10.6	Hazardous Decomposition or Byproducts:		carbon dioxide						
			carbon monoixde nitrogen oxides						
			phosgene						
			Section 11. Toxicological	Inform	ation				
11.1	Informat		The toxicological effects of this product have not been thoroughly studied.						
	Toxicolo	gical Effects:							
CAS	#	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA		
4177	16-92-8	4-[3-Chloro-4-[(cy -methoxy-6-quino	clopropylamino)carbonylamino]phenoxy]-7 linecarboxamide	n.a.	n.a.	n.a.	n.a.		
			Section 12. Ecological Ir	forma	tion				
12.1	Toxicity:		Avoid release into the environment.						
	-		Runoff from fire control or dilution water may cause pollution.						
12.2	Persister	nce and	No data available.						
	Degrada	bility:							
12.3	Bioaccu	mulative	No data available.						
	Potential	l:							
12.4	Mobility	in Soil:	No data available.						
12.5	Results of	of PBT and vPvB	No data available.						
	assessm	ent:							
12.6	Other ad	verse effects:	No data available.						
			Section 13. Disposal Con	sidera	tions				
13.1	Waste Di	isposal Method:	•						
			Section 14. Transport Ir	forma	tion				
14.1	LAND TI	RANSPORT (US I	DOT):						
D	OT Prope	Shipping Name:	Not dangerous goods.						
D	OT Hazaro	d Class:							
U	N/NA Num	nber:							
14.1	LAND TI	RANSPORT (Euro	ppean ADR/RID):						
Α	DR/RID Sh	nipping Name:	Not dangerous goods.						
UN Number:		:							
Н	azard Clas	SS:							
						Ν	Aulti-region for		

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14.3 AIR TRANSPORT (ICAO/IATA): ICAO/IATA Shipping Name: N

ne: Not dangerous goods.

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

Information:

Section 15. Regulatory Information

EPA SARA (S CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
417716-92-8	4-[3-Chloro-4-[(cyclopropylamino)carbonylamino]p henoxy]-7-methoxy-6-quinolinecarboxamide		. ,	No	No	
CAS # Hazardous Com		ponents (Chemical Name) Other US EPA or State Lists			•	
417716-92-8 4-[3-Chloro-4-[(cyclopropylamino)carbonylamino]p henoxy]-7-methoxy-6-quinolinecarboxamide			CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
Regulatory Inf Statement:	ormation	This SDS was prepared in accor No.1272/2008.	dance with 29 CFF	8 1910.1200 and R	egulation (EC)	
		Section 16. Oth	er Informatio	on		
Revision Date:		12/10/2016				
Additional Information About This Product:		No data available.				
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.				