

Revision: 02/19/2013 Supercedes Revision: 01/28/2013

Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108



1. Identification of the Substance/Mixture and of the Company/Undertaking

Product Code:	13873
Product Name:	SU 6668
Synonyms:	5-[(1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-2,4-dimethyl-1H-pyrrole-3-propanoic acid; NSC 702827; Orantinib; TSU-68;
Intended Use:	For research use only, not for human or veterinary use.
Manufacturer Information	
Company Name:	Cayman Chemical Company
Emergency Contact:	CHEMTREC Within USA and Canada: +1 (800)424-9300
Alternate Emergency Contact:	CHEMTREC Outside USA and Canada: +1 (703)527-3887
Information:	Cayman Chemical Company +1 (734)971-3335
Web site address:	www.caymanchem.com
Manufacturer Information Company Name: Emergency Contact: Alternate Emergency Contact: Information:	Cayman Chemical CompanyCHEMTREC Within USA and Canada:+1 (800)424-9300CHEMTREC Outside USA and Canada:+1 (703)527-3887Cayman Chemical Company+1 (734)971-3335

2. Hazards Identification **GHS Classification** Placard Key word **GHS Hazard** Acute Toxicity: Oral, Category 3 Skull and Danger Toxic if swallowed crossbones Skin Corrosion/Irritation, Category 2 Exclamation Causes skin irritation Warning point Serious Eye Damage/Eye Irritation, Category 1 Corrosive Danger Causes serious eye damage Target Organ Systemic Toxicity (repeated Health hazard Causes damage to organs through prolonged or repeated Danger exposure), Category 1 exposure. Toxic To Reproduction, Category 2 Health hazard Warning Suspected of damaging fertility or the unborn child **GHS Hazard Phrases:** H301: Toxic if swallowed. H315: Causes skin irritation. H318: Causes serious eye damage H372: Causes damage to organs through prolonged or repeated exposure. H361: Suspected of damaging fertility or the unborn child. **GHS Precaution Phrases:** P264: Wash hands thoroughly after handling. P280: Wear protective gloves/clothing and eye/face protection as specified by the manufacturer/supplier or the competent authority. P260: Do not breathe dust/fume/gas/mist/vapours/spray. P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P281: Use personal protective equipment as required. **GHS Response Phrases:** P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P330: Rinse mouth. P302+352: IF ON SKIN: Wash with plenty of soap and water. P332+313: If skin irritation occurs, get medical advice/attention. P362: Take off contaminated clothing and wash before re-use. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER or doctor/physician. P314: Get medical attention/advice if you feel unwell. P308+313: IF exposed or concerned: Get medical attention/advice.



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GHS Storage and Disposal Phrases:	Please refer to Se	ction 7 for Storag	e and Section	n 13 for Dispo	sal information.	
Route(s) of Entry:	Inhalation? Yes	Skin? Yes E	yes? Yes	Ingestion? Yes	s Other: Inject	ion
Potential Health Effects (Acute and Chronic):	Causes serious ey Causes skin irrita	ve damage. tion. irritating to the mu by inhalation or sk atory system irrita naging fertility or t	acous membrin absorption tion.	ranes and uppe	sure. er respiratory tract	
Target Organs:	No data available					
Signs and Symptoms Of Exposure:	To the best of our	r knowledge, the t	oxicological	properties hav	e not been thoroug	ghly investigated.
Medical Conditions Generally Aggravated By Exposure:	No data available			adianta		
					Diele Dhaeses	
Hazardous Components (Chemical Name) 1. SU 6668	CAS # 252916-29-3	Concentration	EC#		Risk Phrases R28-38-41-48-62-6	RTECS #
		t Aid Meas				
Emergency and First Aid Procedures:	4. FIIS	I AIU MEAS	ules			
In Case of Inhalation:	Remove to fresh a personnel. Get im			cial respiratior	n or give oxygen b	y trained
In Case of Skin Contact:	Immediately wash skin with soap and plenty of water for at least 20 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 20 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.					
Indication of any immediate medical attention and special treatment needed:	No data available					
	5. Fire Fi	ighting Me	asures			
Suitable Extinguishing Media:	Use alcohol-resis Use water spray t			•	nical spray.	
Unsuitable Extinguishing Media:	A solid water stre	eam may be ineffic	cient.			
Flammable Properties and Hazards:	No data available					
Flash Pt:	No data.					
Autoignition Pt:	No data available	·.				
Explosive Limits:	LEL: No data.		UEL: No	data.		
Hazardous Combustion Products:	No data available	2.				
Fire Fighting Instructions:	-	ear self-contained full protective gea			re-demand (NIOS in and eyes.	H approved or
6.	Accidenta	I Release	Measur	es		
Protective Precautions, Protective Equipment and Emergency Procedures:	-	l breathing dust, a rrant, wear a NIO	-	-	ation. d breathing appara	utus, or respirator,
	and appropriate p	ersonal protection	(rubber boo	ots, safety gogg	gles, and heavy rul	ber gloves).



Environmental Precautions:	Take steps to avoid release into the environment, if safe to do so.
Steps To Be Taken In Case Material Is Released Or Spilled:	Contain spill and collect, as appropriate. Transfer to a chemical waste container for disposal in accordance with local regulations.
	7. Handling and Storage
Precautions To Be Taken in Handling:	Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid prolonged or repeated exposure.
Precautions To Be Taken in Storing:	Keep container tightly closed. Store in accordance with information listed on the product insert.
Hazard Label Information:	Avoid contact with skin and eyes. Do not reuse this container. Use with adequate ventilation. Wash thoroughly after handling.

8. Exposure Controls/Personal Protection

CAS #	OSHA PEL	ACGIH TLV	Other Limits
252916-29-3	No data.	No data.	No data.
CAS #	Britain EH40	France VL	Europe
252916-29-3	No data.	No data.	No data.
Compatible chem	nical-resistant gloves Eye wasl	n station in work area Lab coa	t Safety
glasses Safety shower in work area Vent Hood			
ontrols (Ventilation etc.): Use process enclosures, local exhaust ventilation, or other engineering controls to control airl			control airborn
levels below reco	mmended exposure limits.		
Safety glasses			
Compatible chemical-resistant gloves			
Lab coat			
NIOSH approved	respirator, as conditions warran	t.	
Do not take inter	nally.		
Facilities storing	or utilizing this material should	be equipped with an eyewash an	d a safety
shower.			
Wash thoroughly	after handling.		
No data available	·.		
	252916-29-3CAS #252916-29-3Compatible cherrglassesSafetyUse process enclelevels below recoSafety glassesCompatible cherrLab coatNIOSH approvedDo not take interrFacilities storingshower.Wash thoroughly	252916-29-3 No data. CAS # Britain EH40 252916-29-3 No data. Compatible chemical-resistant gloves Eye wash glasses glasses Safety shower in work area Vent Hoo Use process enclosures, local exhaust ventilation, levels below recommended exposure limits. Safety glasses Compatible chemical-resistant gloves Lab coat NIOSH approved respirator, as conditions warran Do not take internally. Facilities storing or utilizing this material should Image: Safety should in the internal should in the	252916-29-3 No data. No data. CAS # Britain EH40 France VL 252916-29-3 No data. No data. Compatible chemical-resistant gloves Eye wash station in work area Lab coa glasses Safety shower in work area Vent Hood Use process enclosures, local exhaust ventilation, or other engineering controls to levels below recommended exposure limits. Safety glasses Compatible chemical-resistant gloves Lab coat NIOSH approved respirator, as conditions warrant. Do not take internally. Facilities storing or utilizing this material should be equipped with an eyewash an shower. Wash thoroughly after handling.

9. Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

-	
Physical States:	[] Gas [] Liquid [X] Solid
Appearance and Odor:	A crystalline solid
Melting Point:	No data.
Boiling Point:	No data.
Flash Pt:	No data.
Evaporation Rate:	No data.
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	No data.
Specific Gravity (Water = 1):	No data.
Solubility in Water:	No data.
Solubility Notes:	~0.5 mg/ml in 1:1 DMF:PBS (pH 7.2); ~2.5 mg/ml in DMSO; ~5 mg/ml DMF;
Autoignition Pt:	No data.
Explosive Properties:	No data available.



Oxidizing Properties:	No data available	2.			evision. 01/26/201
Other Information					
Percent Volatile:	No data.				
Formula:	C18H18N2O3				
Molecular Weight:	310.40				
	10. Stabil	ity and Rea	activity		
Reactivity:	No data available	2.			
Stability:	Unstable []	Stable [X]			
Stability Note(s):	Stable if stored in	n accordance with	information listed	d on the product insert.	
Conditions To Avoid:	protect from heat	protect from heat and light			
Polymerization:	Will occur []	Will not occur [[X]		
Incompatibility - Materials To Avoid:	strong oxidizing	agents			
Hazardous Decomposition Or Byproducts:	carbon dioxide carbon monoxide nitrogen oxides	2			
	11. Toxico	logical Info	rmation		
Toxicological Information:	The toxicological	l effects of this pro	duct have not be	en thoroughly studied.	
Chronic Toxicological Effects:	No data available	2.			
Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
I. SU 6668	252916-29-3	n.a.	n.a.	n.a.	n.a.
	12. Ecolo	gical Inforr	nation		
General Ecological Information:		o the environment control or dilution		pollution.	
	13. Dispos	sal Conside	erations		
Waste Disposal Method:	Dispose in accord	dance with local, s	tate, and federal i	regulations.	
	14. Trans	sport Inforn	nation		
Globally Harmonized System of Classification		•			
Acute Toxicity: Oral, Category 3 - Danger! Skin Corrosion/Irritation, Category 2 - Warn Serious Eye Damage/Eye Irritation, Categor Target Organ Systemic Toxicity (repeated e Toxic To Reproduction, Category 2 - Warni LAND TRANSPORT (US DOT)	ning! Causes skin irrita y 1 - Danger! Causes s xposure), Category 1 -	serious eye damage · Danger! Causes dan		gans>} through prolonged	or repeated exposure
DOT Proper Shipping Name	Not dangerous go	oods.			
LAND TRANSPORT (European ADR/RID)					
ADR/RID Shipping Name	Not dangerous go	oods.			
AIR TRANSPORT (ICAO/IATA)	- 0				
ICAO/IATA Shipping Name	Not dangerous go	oods.			
Additional Transport Information:		ordance with local,	state, and federa	l regulations.	
	-				
	15 Kedu	latory Infor	mation		



R28

- Very toxic if swallowed.

SAFETY DATA SHEET SU 6668

Sec.110

CA PROP.65

No

No

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R38 - Irritating to skin. R41 - Risk of serious damage to the eyes. R48 - Danger of serious damage to health by prolonged exposure. R62 - Risk of impaired fertility. R63 - Possible risk of harm to the unborn child. S22 - Do not breathe dust. S24/25 - Avoid contact with skin and eyes. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 - After contact with skin, wash immediately with plenty of soap-suds. S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection. **US EPA SARA Title III** Hazardous Components (Chemical Name) Sec.302 (EHS) Sec.304 RQ Sec.313 (TRI) CAS # 1. SU 6668 252916-29-3 No No No Other US EPA or State Lists Hazardous Components (Chemical Name) CAA HAP,ODC **CWA NPDES** TSCA CAS # SU 6668 252916-29-3 No No No 1. **Regulatory Information Statement:** This SDS was prepared in accordance with 29 CFR 1910.1200, Regulation (EC) No.1272/2008, and European Directive 67/548/EEC as amended. 16. Other Information **Revision Date:** 02/19/2013

Company Policy or Disclaimer

For research use only, not for human or veterinary use.

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.

N.A.=Not available, N.P.=Not applicable, N.D.=Not determined, N.E.=Not established, N.R.=Not required