

Revision: 03/15/2015

Product Name:       TCS-OX 2:29         Synonyms:       (25)-1-(3.4-dth/dto-6,7-dimethory-2(1H)-isoquinolinyl)-3.3-dimethyl-2-((4-pyridinylimethyl)s         -1-butanone, monohydrocholindia;         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.         3.       Details of the Supplier of the Safety Data Sheet:         Company Name:       Cayman Chemical Company 1100 E. Elieworth Rd. Ann Arbor, Mi 48108         Web site address:       www.caymanchem.com Information:         Cayman Chemical Company       +1 (734)971-3335         4.       Emergency talephone number:         Emergency talephone number:       Emergency talephone number:         C.1       Classification of the Substance or Mixture:         1.1       Classification of the Substance or Mixture:         1.1       Classification according to Regulation (EC) No 12722008 [CLP]:         2.1       Labeing according to Regulation (EC) No 12722008 [CLP]:         2.1       Labeing according to Regulation (EC) No 12722008 [CLP]:         2.1       Labeing according to Regulation (EC) No 12722008 [CLP]:         3.1       Labeing according to Regulation (EC) No 12722008 [CLP]:         3.2       Labeing according to Regulation (EC) No 12722008 [CLP]: <td< th=""><th></th><th>acco</th><th>rding to Regulation (EC) No. 190</th><th>07/2006 as amended by</th><th>y (EC) No. 1272/200</th><th>08</th></td<>		acco	rding to Regulation (EC) No. 190	07/2006 as amended by	y (EC) No. 1272/200	08		
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Relevant identified uses:       For research use only, not for human or veterinary use.         3       Details of the Supplier of the Safety Data Sheet:         Company Name:       Cayman Chemical Company.         1160 E. Elsworth Rd.       Ann Arbor, MI 48108         Web site address:       coww.caymanchem.com         Information:       coww.caymanchem.com         Information:       coww.caymanchem.com         Emergency telephone number:       11 (300 E. Elsworth Rd.         Company Name:       coww.caymanchem.com         Emergency Contact:       CHEMTREC Within USA and Canada:       +1 (300)424-9300         Colassification of the Substance or Mixture:       11 (30527-3867	Product	Product Name:       TCS-OX 2-29         Synonyms:       (2S)-1-(3,4-dihydro-6,7-dimethoxy-2(1H)-isoquinolinyl)-3,3-dimethyl-2-[(4-pyridinylmethyl)ar			nethyl-2-[(4-pyridinylmethyl)ami			
3. Details of the Supplier of the Safety Data Sheet:         Company Name:       Cayman Chemical Company: H180 E. Elisworth Rd. Ann Arbor, MI 48108         Web site address:       www.caymanchem.com Information:         Information:       Cayman Chemical Company         +1 (734)971-3335         .4       Emergency Liephone number: Emergency Contact:         Emergency Contact:       CHEMTREC Within USA and Canada:       +1 (703)527-3887         Section 2. Hazards Identification         11 Classification of the Substance or Mixture:         1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:         1.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:         Classe: No phrases: No phrases         Based on evaluation of currently available data this substance or mixture is not classifiable according to GHS.         GHS Precaution Phrases: No phrases apply.         OHS Storage and Disposal Phrases: No phrases apply.         MS Precaution 7 for Storage and Section 13 for Disposal Information.         Section 3. Composition/Information, or skin absorption.         Cate of our knowledge, the toxicological properties have not been thoroughly investigate         May cause eque, skin, or respiratory system irritation.         Contact of our knowledge, the		-						
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Information:       Cayman Chemical Company       +1 (734)971-335         4.       Emergency telephone number:         Emergency Contact:       CHEMTREC Within USA and Canada:       +1 (800)424-9300         CHEMTREC Outside USA and Canada:       +1 (703)527-3887         Section 2. Hazards Identification         Classification of the Substance or Mixture:         1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:         GHS Signal Word:       None         OHS Signal Word:       None         GHS Precaution Phrases:         No phrases apply.       GHS Response Phrases:       No phrases apply.         GHS Storage and Disposal Phrases:         No phrases apply.       May be harmful by inhalation, ingestion, or skin absorption.         May be harmful by inhalation, ingestion, or skin absorption.         May be barmful by inhalation, ingestion, or skin absorption.	Compa	ny Name:	1180 E. Ellsworth Rd.	bany				
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NA NA NA				Concentration		GHS Classification		
	1610882-30-8 NA	TCS-OX 2-29		100.0 %		No data available.		
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						Multi-region forr		



Revision: 03/15/2015

L		Section 4	<ol> <li>First Aid Measure</li> </ol>	es	
4.1	Description of First Aid	No data available.			
	Measures:				
	In Case of Inhalation:		f not breathing, give artificial re	espiration or give oxygen b	by trained personnel.
		Get immediate medica	al attention.		
	In Case of Skin Contact:	-	n with soap and plenty of wate		
		-	attention if symptoms occur. W	-	
	In Case of Eye Contact:		d flush eyes with plenty of wate	er for at least 15 minutes.	Have eyes examined
		and tested by medical	•	· • • · · ·	
	In Case of Ingestion:		water provided person is cons Get medical attention. Do NOT		
		medical personnel.		induce vornting unless a	
		Section 5.	Fire Fighting Meas	ures	
5.1	Suitable Extinguishing	Use alcohol-resistant	foam, carbon dioxide, water, c	or drv chemical sprav.	
	Media:		ool fire-exposed containers.		
	Unsuitable Extinguishing	A solid water stream	mav be inefficient.		
	Media:	<b>,</b>	.,		
5.2	Flammable Properties ar	dNo data available.			
	Hazards:				
	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 se	elf-contained breathing appara	tus pressure-demand (NIC	OSH approved or
		equivalent), and full p	rotective gear to prevent conta	act with skin and eyes.	
		Section 6. Acc	cidental Release Me	easures	
6.1	Protective Precautions,		athing dust, and provide adeq		
	Protective Equipment an	d As conditions warran	t, wear a NIOSH approved sel	f-contained breathing app	aratus, or respirator,
	Emergency Procedures:	and appropriate pers	onal protection (rubber boots,	safety goggles, and heavy	/ rubber gloves).
6.2	Environmental	Take steps to avoid r	elease into the environment, if	safe to do so.	
	Precautions:				
6.3	Methods and Material Fo	r Contain spill and colle	ect, as appropriate.		
	Containment and Cleanin	ngTransfer to a chemica	al waste container for disposal	in accordance with local r	regulations.
	Up:				
		Section 7.	Handling and Stor	age	
7.1	Precautions To Be Taker	Avoid breathing dust/	fume/gas/mist/vapours/spray.		
	in Handling:	Avoid prolonged or re	peated exposure.		
7.2	Precautions To Be Taken Keep container tightly closed.				
	in Storing:	Store in accordance v	vith information listed on the p	roduct insert.	
	Sec	tion 8. Exposu	re Controls/Persona	al Protection	
8.1	Exposure Parameters:	-			
CAS	# Partial Chemica	Name	Britain EH40	France VL	Europe
L					

Multi-region format



## SAFETY DATA SHEET **TCS-OX 2-29**

CAS	#	Partial Chemical	Name	OSHA TWA	ACGIH TWA	Other Limits	
16108	382-30-8	TCS-OX 2-29		No data.	No data.	No data.	
3.2	Exposur	e Controls:			•	+	
3.2.1	(Ventilation etc.): levels below recommended exposure limits.					rols to control airborr	
3.2.2	Eye Pro						
	•	ve Gloves:	Safety glasses	registent deves			
			Compatible chemical-	resistant gioves			
	Respira	Other Protective Clothing: Lab coat         Respiratory Equipment       NIOSH approved respirator, as conditions warrant.         (Specify Type)					
	(Specify Type): Work/Hygienic/Maintenan Do not take internally.						
	ce Pract	-	-	ilizing this material should be o	equipped with an evewas	h and a safety show	
	001100		Wash thoroughly afte	•	- 1- 1		
			No data available.	-			
		<u> </u>	action 0 Dhua	ical and Chamical [	Proportion		
			•	ical and Chemical F	ropenies		
9.1		-	sical and Chemical Pr	-			
	-	Il States:		] Liquid [X] Solid			
		ance and Odor:	A crystalline s	olid			
	Melting		No data.				
	Boiling		No data.				
	Flash Pi		No data.				
	-	ation Rate:	No data.				
	=	ve Limits:	LEL: No data	. UEL: I	No data.		
	Vapor P Hg):	ressure (vs. Air o	<b>r mm</b> No data.				
	Vapor D	ensity (vs. Air = 1	): No data.				
	Specific	Gravity (Water =	1): No data.				
	Solubili	ty in Water:	No data.				
	Solubili	ty Notes:	~10 mg/ml in l	PBS (pH 7.2); ~30 mg/ml in D	MSO & DMF;		
	Autoign	ition Pt:	No data.				
9.2	Other Inf	formation					
	Percent	Volatile:	No data.				
	Molecul	ar Formula & Wei	ght: C23H31N3O3	• HCI 434.0			
			Section 10.	Stability and Reac	tivity		
0.1	Reactiv	ity:	No data available.				
0.2	Stability:     Unstable []     Stable [X]						
10.3	Stability	v Note(s):	Stable if stored in acc	ordance with information listed	d on the product insert.		
	Polyme	rization:	Will occur [ ] Wil	ll not occur [ X ]			
0.4	Conditio	ons To Avoid:	No data available.				
0.5	Incomp	atibility - Material	s No data available.				
	To Avoi	d:					
10.6	Hazardo	bus	No data available.				
	Decomp	osition Or					
	Byprod						
						Multi-region form	



Multi-region format

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	Information on         The toxicological effects of this product have not been thoroughly studied.           Toxicological Effects:						
		azardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA
1610882	2-30-8 T	CS-OX 2-29		n.a.	n.a.	n.a.	n.a.
	ł		Section 12. Ecol	ogical Inform	ation	+	•
2.1 T	oxicity:		Avoid release into the environ				
	•		Runoff from fire control or dilut	tion water may cause	e pollution.		
12.2 P	Persistence	e and	No data available.				
D	Degradabil	ity:					
2.3 B	Bioaccumu	Ilative	No data available.				
Р	Potential:						
12.4 M	lobility in	Soil:	No data available.				
12.5 R	Results of	PBT and vPvB	No data available.				
a	issessmen	it:					
12.6 O	Other adve	rse effects:	No data available.				
			Section 13. Dispo	sal Considera	ations		
I3.1 W	Vaste Disp	osal Method:	Dispose in accordance with lo	cal, state, and federa	I regulations.		
			Section 14. Trai	nsport Inform	ation		
14.1 L	LAND TRA	NSPORT (US I		•			
		hipping Name:					
	Γ Hazard C						
UN/i	NA Numbe	er:					
14.1 L	LAND TRA	NSPORT (Euro	opean ADR/RID):				
		ping Name:	Not dangerous goods.				
	Number:		5 5				
Haza	ard Class:						
14.3 A		SPORT (ICAO/I	ATA):				
ICAG	O/IATA Sh	ipping Name:	Not dangerous goods.				
Additior	nal Transp	ort	Transport in accordance with	local, state, and fede	ral regulations.		
Informa	tion:						
			Section 15. Regu	ulatory Inform	ation		
EPA SA	RA (Supe	rfund Amendm	ents and Reauthorization Ac	t of 1986) Lists			
	Ha	azardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 31	3 (TRI)
CAS #	2200 IT/	CS-OX 2-29		No	No	No	
<b>CAS #</b> 1610882	2-30-0	S # Hazardous Components (Chemical Name) Other US EPA or State Lists					
		azardous Com	ponents (Chemical Name)				



Regulatory Information Statement:	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.
	Section 16. Other Information
Revision Date:	03/15/2015
Additional Information About This Product:	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.