

Revision: 10/17/2016

			entification of the Substar		the company/o	nucraking		
.1	Product	Code:	20393			_		
	Product		TCS 401					
	Synony	ms:	2-[(Carboxycarbonyl)am	ino]-4,5,6,7-tetrahyc	lrothieno[2,3-c]pyi	idine-3-carboxylic acid		
			hydrochloride;					
.2	Relevant identified uses of the substance or mixture and uses advised against:							
	Releva	ant identified uses:	For research use only, n	ot for human or vete	erinary use.			
.3	Details of the Supplier of the Safety Data Sheet:							
	Comp	any Name:	Cayman Chemical Com	pany				
			1180 E. Ellsworth Rd.					
			Ann Arbor, MI 48108					
		ite address:	www.caymanchem.com					
	Inform		Cayman Chemical Com	pany	+1 (73	4)971-3335		
.4	-	ncy telephone numb						
	Emero	ency Contact:	CHEMTREC Within USA			00)424-9300		
		Jenney Connucci	CHEMTREC Outside US	SA and Canada:	+1 (70	03)527-3887		
		, <b>,</b>	CHEMTREC Outside US			J3J527-3887		
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	Classifie	-	Section 2. Ha			JJ)527-3887		
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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 <b>d</b> 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	<b>s:</b> 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 Cleaning Transfer 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:						



Cay		<b>TCS 401</b>						
	man		Revision: 10/17/2016					
8.2	Exposure Controls:							
8.2.1	Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering	g controls to control airborne					
	(Ventilation etc.):	tilation etc.): levels below recommended exposure limits.						
8.2.2	Personal protection equipment:							
	Eye Protection:	Safety glasses						
	Protective Gloves:	Compatible chemical-resistant gloves						
	Other Protective Clothing:Lab coat							
	<b>Respiratory Equipment</b> NIOSH 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 e	yewash and a safety showe					
		Wash thoroughly after handling.						
		No data available.						
	Se	ction 9. Physical and Chemical Properties						
9.1		cal and Chemical Properties						
	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		No data.						
9.2	Viscosity:	No data. No data.						

# Cayman

### SAFETY DATA SHEET TCS 401

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Multi-region format

			Section 10. Stability	and Reacti	vity				
10.1	1 Reactivity: No data available.								
10.2	Stability	<b>'</b> :	Unstable [ ] Stable [ X ]						
10.3	<b>0.3 Stability Note(s):</b> Stable if stored in accordance with information listed on the product insert.								
	Polymerization: Will occur [] Will not occur [X]								
10.4	0.4 Conditions To Avoid: No data available.								
10.5	.5 Incompatibility - Materials strong oxidizing agents								
	To Avoi	d:							
10.6 Hazardous			carbon dioxide						
	Decomposition or		carbon monoxide						
	Byprod	ucts:	hydrogen sulfide						
			nitrogen oxides						
			Section 11. Toxicolog	ical Informa	ation				
11.1	Informa	tion on	The toxicological effects of this produ	uct have not beer	n thoroughly st	udied.			
	Toxicol	ogical Effects:							
CAS	#	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA		
2439	66-09-8	TCS 401		n.a.	n.a.	n.a.	n.a.		
		•	Section 12. Ecologic	al Informat	ion	·			
12.1	Toxicity	:	Avoid release into the environment.						
	-		Runoff from fire control or dilution wa	ater may cause p	ollution.				
12.2	Persiste	ence and	No data available.						
	Degrada	ability:							
12.3	Bioaccu	Imulative	No data available.						
	Potentia	al:							
12.4	Mobility	in Soil:	No data available.						
12.5	Results	of PBT and vPvB	No data available.						
	assessr	nent:							
12.6	assessment: .6 Other adverse effects: No data available.								
			Section 13. Disposal	Considerat	ions				
13.1	Waste D	isposal Method:	Dispose in accordance with local, sta						
	Section 14. Transport Information								
14.1	LAND T	RANSPORT (US I	DOT):						
D	OT Prope	er Shipping Name:	Not dangerous goods.						
	OT Hazar								
U	N/NA Nur	nber:							
14.1	LAND 1	RANSPORT (Euro	opean ADR/RID):						
A	DR/RID S	hipping Name:	Not dangerous goods.						
U	N Numbe	r:							
н	azard Cla	ISS:							

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Cayman	

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

lame: Not dangerous goods.

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

Information:

**Additional Transport** 

# Section 15. Regulatory Information

CAS #	Hazardous Components (Chemical Name)		S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
243966-09-8	9-8 TCS 401		No	No	No	
CAS # Hazardous Components (Chemical Name)			Other US EPA or State Lists			
243966-09-8	TCS 401		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
Regulatory Inf Statement:	ormation	This SDS was prepared in acc No.1272/2008.	ordance with 29 CFF	R 1910.1200 and R	egulation (EC)	
		Section 16. Ot	her Informatio	on		
Revision Date:	:	10/17/2016				
Additional Info	ormation 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.				