

	Section 1. Id	lentification of the Substance/Mixture and of th	ne Company/Undertaking			
4	Product Code:					
.1	Product Code: Product Name:	29566 2.4 diffuere LL 50488 (hydrochloride)				
		3,4-difluoro U-50488 (hydrochloride) trans-rel-3,4-difluoro-N-methyl-N-[(2-(1-pyrrolid	linul)queleboxul bonzonoacetamide			
	Synonyms:	monohydrochloride;	anyi)cyclonexyij-benzeneacetarnice,			
.2	Relevant identified uses of the substance or mixture and uses advised against:					
	Relevant identified uses:	For research use only, not for human or veterir	nary use.			
.3	Details of the Supplier of the Safety Data Sheet:					
	Company Name:	Cayman Chemical Company				
		1180 E. Ellsworth Rd.				
		Ann Arbor, MI 48108				
	Web site address:	www.caymanchem.com				
	Information:	Cayman Chemical Company	+1 (734)971-3335			
.4	Emergency telephone num	ber:				
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300			
		CHEMTREC Outside USA and Canada:	+1 (703)527-3887			
		Section 2. Hazards Identifica	ation			
2	Acute Toxicity: Inhalation Acute Toxicity: Oral, Cate Acute Toxicity: Skin, Cate Label Elements:	egory 4				
.2	Acute Toxicity: Oral, Cate Acute Toxicity: Skin, Cate	egory 4				
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.2	Acute Toxicity: Oral, Cate Acute Toxicity: Skin, Cate Label Elements: GHS Signal Word:	egory 4 egory 4 Warning				
.2	Acute Toxicity: Oral, Cate Acute Toxicity: Skin, Cate Label Elements: GHS Signal Word: GHS Hazard Phrases:	egory 4 egory 4 Warning				
.2	Acute Toxicity: Oral, Cate Acute Toxicity: Skin, Cate Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowed	egory 4 egory 4 Warning				
.2	Acute Toxicity: Oral, Cate Acute Toxicity: Skin, Cate Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowed H312: Harmful in contact w	egory 4 egory 4 Warning I. rith skin.				
.2	Acute Toxicity: Oral, Cate Acute Toxicity: Skin, Cate Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowed H312: Harmful in contact w H332: Harmful if inhaled.	egory 4 egory 4 Warning I. rith skin.				
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.2	Acute Toxicity: Oral, Cate Acute Toxicity: Skin, Cate Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowed H312: Harmful if swallowed H332: Harmful if inhaled. GHS Precautionary Phrase P261: Avoid breathing {dus P264: Wash {hands} thorout	egory 4 egory 4 Warning I. ith skin. ses: et/fume/gas/mist/vapors/spray}.	on}.			
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.2	Acute Toxicity: Oral, Cate Acute Toxicity: Skin, Cate Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowed H312: Harmful in contact w H332: Harmful in contact w H332: Harmful if inhaled. GHS Precautionary Phrase P261: Avoid breathing {dus P264: Wash {hands} thorou P280: Wear {protective glov GHS Response Phrases: P301+312: IF SWALLOWE P302+352: IF ON SKIN: W	egory 4 egory 4 wwarning 4. it it skin. ses: et/fume/gas/mist/vapors/spray}. ughly after handling. ves/protective clothing/eye protection/face protection ED: P312: Call a POISON CENTER or doctor/physi ash with plenty of soap and water. emove victim to fresh air and keep at rest in a posi	ician if you feel unwell.			
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	UFI:								
2.3		e Human Health and Symptoms:	Material may be irritating to the May cause eye, skin, or resp	nhaled, swallowed, or in contact with skin. ay be irritating to the mucous membranes and upper respiratory tract. eye, skin, or respiratory system irritation. t of our knowledge, the toxicological properties have not been thoroughly investigated.					
		Sect	ion 3. Composition	/Information	on Ingredie	nts			
	CAS # / Hazardous Comp RTECS # REACH Registra		ponents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	GHS Classification			
13393 NA	1339332-99-8 3,4-difluoro U-50488 NA		(hydrochloride) 100.0 %		NA NA	Acute Tox.(O) 4: H302 Acute Tox.(D) 4: H312 Acute Tox.(I) 4: H332			
			Section 4. Fi	rst Aid Measu	ures				
4.1	Measur In Case	of Inhalation:	Get immediate medical attent	tion.		ve oxygen by trained personnel.			
		e of Skin Contact: e of Eye 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. Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined						
In Case of Ingestion:			and tested by medical personnel. 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 Mea	asures				
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 A solid water stream may be inefficient. Media: Media:				spray.				
5.2	Flamma Hazard	-	d No data available.						
	-	Pt: ive Limits: nition Pt:	No data available. No data. LEL: No data. No data.	UEL: No da	ata.				
5.3	Fire Fig	yhting Instructions	As in any fire, wear self-conta equivalent), and full protectiv	•	•	· · · ·			



		Section 6. Accidental Release Measures				
6.1	Protective Precautions,	Avoid raising and breathing dust, and provide adequate ventilation.				
	Protective Equipment and	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	.2 Environmental Take steps to avoid release into the environment, if safe to do so.					
	Precautions:					
6.3 Methods and Material For 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		Avoid breathing dust/fume/gas/mist/vapours/spray.				
	in Handling:	Avoid prolonged or repeated exposure.				
7.2		Keep container tightly closed.				
	in Storing:	Store in accordance with information listed on the product insert.				
	Secti	on 8. Exposure Controls/Personal Protection				
8.1	Exposure Parameters:					
8.2	Exposure Controls:					
8.2.1	Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne				
	(Ventilation etc.):	evels below recommended exposure limits.				
8.2.2	Personal protection equip	nent:				
	Eye Protection:	Safety glasses				
	Protective Gloves:	ve Gloves: Compatible chemical-resistant gloves				
Other Protective Clothing:Lab coat Respiratory Equipment NIOSH approved respirator, as conditions warrant.						
	Work/Hygienic/Maintenan					
		Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower.				
		Wash thoroughly after handling.				
		No data available.				
		ction 9. Physical and Chemical Properties				
9.1	-	cal and Chemical Properties				
	Physical States:	[]Gas []Liquid [X]Solid				
	Appearance and Odor:	A crystalline solid				
	pH: Malting Daint:	No data.				
	Melting Point:	No data.				
	Boiling Point:	No data.				
	Flash Pt: Evaporation Pate:	No data. No data.				
	Evaporation Rate:	No data. No data available.				
	Flammability (solid, gas): Explosive Limits:	LEL: No data. UEL: No data.				
	Vapor Pressure (vs. Air or					
	Hg):					
	Vapor Density (vs. Air = 1):	No data.				
						
		Multi-region format				

	Specific Gravity (Water =	1): No data.					
	Solubility in Water:	No data.					
	Octanol/Water Partition	No data.					
	Coefficient:						
	Autoignition Pt:	No data.					
	Decomposition Temperat	ure: No data.					
	Viscosity:	No data.					
9.2	Other Information						
	Percent Volatile:	No data.					
	Molecular Formula & Wei	ght: C19H26F2N2O • HCI	372.9				
		Section 10. Stabilit	y and R	Reactiv	/ity		
10.1	Reactivity:	No data available.					
10.2	Stability:	Unstable [] Stable [X]					
10.3	Stability Note(s):	Stable if stored in accordance with	h informatio	n listed o	n the product	insert.	
	Polymerization:	Will occur [] Will not occur [[X]				
10.4	Conditions To Avoid:	No data available.					
10.5	Incompatibility - Materials	No data available.					
	To Avoid:						
10.6	Hazardous	No data available.					
	Decomposition or						
	Byproducts:						
		Section 11. Toxicolo	ogical In	forma	ition		
11.1	Information on	The toxicological effects of this pr	•			udied.	
	Toxicological Effects:				•••		
CAS	# Hazardous Com	ponents (Chemical Name)	N	NTP	IARC	ACGIH	OSHA
13393	332-99-8 3,4-difluoro U-504	488 (hydrochloride)	r	ı.a.	n.a.	n.a.	n.a.
	ł	Section 12. Ecolog	gical Info	ormati	on	ł	•
12.1	Toxicity:	Avoid release into the environmer	nt.				
		Runoff from fire control or dilution water may cause pollution.					
12.2	Persistence and	No data available.					
	Degradability:						
12.3	Bioaccumulative	No data available.					
	Potential:						
12.4	Mobility in Soil:	No data available.					
12.5							
assessment:							
12.6	Other adverse effects:	No data available.					
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Section 13. Disposal Considerations							
13.1 Waste D	3.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.						
	Section 14. Transport Information						
14.1 LAND TI	RANSPORT (US I	DOT):					
DOT Proper	r Shipping Name	: Not dangerous goods.					
DOT Hazaro							
UN/NA Num							
	-	opean ADR/RID):					
UN Number	hipping Name:	Not dangerous goods.					
Hazard Clas							
14.3 AIR TRA	NSPORT (ICAO/	IATA):					
	Shipping Name:	Not dangerous goods.					
UN Number	:		Packing Grou	ıp:			
Hazard Clas	ss:						
Additional Trar	nsport	Transport in accordance with lo	cal, state, and federa	l regulations.			
Information:							
		Section 15. Regul	atory Informa	tion			
EPA SARA (Su	perfund Amendn	nents and Reauthorization Act o	of 1986) Lists				
CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)		
1339332-99-8	3,4-difluoro U-50	488 (hydrochloride)	No	No	No		
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or S	State Lists			
1339332-99-8	339332-99-8 3,4-difluoro U-50488 (hydrochloride) CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No						
Regulatory Info	ormation	This SDS was prepared in account	rdance with 29 CFR	1910.1200 and Regu	lation (EC)		
Statement:		No.1272/2008.					
		Section 16. Oth	er Information	า			
Revision Date:		01/19/2020					
Additional Infor	mation About	No data available.					
This Product:							
Company Polic	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.					