

Revision: 09/21/2018 Supersedes Revision: 01/29/2015

		ng to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2015/83						
		Identification of the Substance/Mixture and of th						
.1	Product Code:	14243						
	Product Name:	Carmofur						
	Synonyms:	5-fluoro-N-hexyl-3,4-dihydro-2H,4-dioxo-1-pyri	imidinecarboxamide; HCFU;					
.2	Relevant identified uses o	f the substance or mixture and uses advised ag	ainst:					
	Relevant identified uses							
.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					
1.4	Emergency telephone nur	nber:						
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300					
		CUENTREC Outside USA and Consider						
		CHEMTREC Outside USA and Canada:	+1 (703)527-3887					
		Section 2. Hazards Identific						
2.1	Classification of the Subs	Section 2. Hazards Identific						
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2.1 2.2	Acute Toxicity: Oral, Ca Toxic To Reproduction,	Section 2. Hazards Identification and the section and the sect						
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	Acute Toxicity: Oral, Ca Toxic To Reproduction,	Section 2. Hazards Identification and the section and the sect						
	Acute Toxicity: Oral, Car Toxic To Reproduction, Label Elements: GHS Signal Word: GHS Hazard Phrases:	Section 2. Hazards Identification tance or Mixture: tegory 3 Category 2 Danger						
	Acute Toxicity: Oral, Car Toxic To Reproduction, Label Elements: GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed.	Section 2. Hazards Identification tance or Mixture: tegory 3 Category 2 Danger						
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0	, 			Carmofur		Revision:	09/21/2018	
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2.3		e Human Health	Material may be irritating to the		es and upper res	piratory tract.		
	Effects	and Symptoms:	May be harmful by inhalation May cause eye, skin, or resp	-				
			Suspected of damaging fertil					
			Toxic if swallowed.					
			To the best of our knowledge	e, the toxicological pro	operties have not	been thoroughly in	vestigated.	
		Sect	ion 3. Composition	/Information c	on Ingredie	nts		
	CAS # / Hazardous Cor RTECS # REACH Registr		oonents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	GHS Classification	on	
61422 UV7714		5-Fluoro-N-hexyl-3,4 dinecarboxamide	-dihydro-2,4-dioxo-1(2H)-pyrimi	100.0 %	689-431-9 NA	Acute Tox.(O) 3: H Toxic Repro. 2: H		
			Section 4. Fi	rst Aid Measu	res			
4.1	-	otion of First Aid						
	Measur				. ,			
	In Case	of Inhalation:	Remove to fresh air. If not bre Get immediate medical attent		respiration or giv	e oxygen by traine	d personnel.	
	In Case	of Skin Contact:	Immediately wash skin with s		ter for at least 15	minutes Remove	contaminate	
	in case	or okin contact.					contaminates	
	In Case	of Eye Contact:	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					
		-	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 Mea	sures			
5.1	Suitable	e Extinguishing	Use alcohol-resistant foam, o		, or dry chemical	spray.		
	Media:		Use water spray to cool fire-e	-				
	Unsuita Media:	ble Extinguishing	A solid water stream may be	inefficient.				
5.2		able Properties an	d No data available.					
0.2	Hazard	-						
			No data available.					
	Flash P	t:	No data.					
	Explosi	ve Limits:	LEL: No data.	UEL: No dat	ta.			
	Autoigr	nition Pt:	No data.					
5.3	-		: As in any fire, wear self-conta equivalent), and full protectiv		-		proved or	
			equivalent), and full protectiv	e gear to prevent cor	nact with skin and	u eyes.		
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		Section 6. Accidental Release Measures				
6.1		t and As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,				
6.0	3,					
6.2	Environmental Precautions:	Take steps to avoid release into the environment, if safe to do so.				
6.3		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 Taken	Avoid breathing dust/fume/gas/mist/vapours/spray.				
	in Handling:	Avoid prolonged or repeated exposure.				
7.2	Precautions To Be Taken	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:	Compatible chemical-resistant gloves				
	Other Protective Clothing:	_ab coat				
	Respiratory Equipment	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 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:	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. mm No data.				
	Vapor Pressure (vs. Air or	IIIII INU Uala.				
	Hg): Vapor Density (vs. Air = 1):	No data.				
	tapor benaity (va. All = 1).					
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	Specific	Gravity (Water =	: 1):	No data.						
	Solubilit	y in Water:		No data.						
	Solubilit	y Notes:		~0.5 mg/ml in a 1:1 solution of DM ~30 mg/ml in DMF;	F:PBS (pH	l 7.2); ~5 mg/ml	in EtOH, ~20	mg/ml in DMSO,		
	Octanol	Water Partition		No data.						
	Coefficie			No data.						
				No data						
	Autoigni			No data.						
	-	osition Tempera	ture:	No data.						
	Viscosit			No data.						
9.2	Other Inf									
	Percent			No data.						
	Molecula	ar Formula & We	ight:	C11H16FN3O3 257.3						
				Section 10. Stability and	React	ivity				
10.1	Reactivi	-		ta available.						
10.2	Stability			ble [] Stable [X]						
10.3	-	Note(s):	Stable	e if stored in accordance with information	ation listed	on the product	insert.			
	Polymer	ization:	Will o	ccur [] Will not occur [X]						
10.4	Conditio	ons To Avoid:	No da	ta available.						
10.5	Incompa	tibility - Material	s strong	oxidizing agents						
	To Avoid	d:								
10.6	Hazardo	us	carbo	n dioxide						
	Decomp	osition or	carbo	n monoxide						
	Byprodu	icts:	hydrog	gen fluoride						
			nitroge	en oxides						
			Se	ection 11. Toxicological	Inform	ation				
11.1	Informat	ion on	The to	oxicological effects of this product ha	ive not bee	n thoroughly st	udied.			
	Toxicolo	gical Effects:	Carmofur - Toxicity Data: Oral TDLO (woman): 1152 mg/kg/14W (intermittent); Oral TDLO (man):							
				1749 mg/kg/29W (intermittent; Oral LD50 (rat): 268 mg/kg; Interperitoneal (rat): 93 mg/kg;						
				Subcutaneous LD50 (rat): 260 mg/kg; Oral LD50 (mouse): 1129 mg/kg; Intraperitoneal LD50						
				nouse): 96 mg/kg; Subcutaneous LD50 (mouse): 532 mg/kg;						
		Toxicological		armofur - Investigated as a drug, mutagen, and reproductive effector.						
	Effects:		•	Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here.						
				ctual entry in RTECS for complete in	nformation.					
		i		ofur RTECS Number: UV7714000						
CAS			-	ts (Chemical Name)	NTP	IARC	ACGIH	OSHA		
6142	22-45-5	5-Fluoro-N-hexyl boxamide	l-3,4-dih	ydro-2,4-dioxo-1(2H)-pyrimidinecar	n.a.	n.a.	n.a.	n.a.		
		boxamide								
			S	Section 12. Ecological li	nforma	tion				
12.1	Toxicity	:		release into the environment.						
			Runoff from fire control or dilution water may cause pollution.							
12.2	Persiste	nce and	No da	ta available.						
	Degrada	bility:								
12.3	Bioaccu	mulative	No da	ta available.						
	Potentia	l:								
12.4	Mobility	in Soil:	No da	ta available.						
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12.5 Results	of PBT and vPvB	No data available.		-		
assessn	nent:					
2.6 Other ac	lverse effects:	No data available.				
		Section 13. Dispos	al Considerat	ions		
I3.1 Waste D	isposal Method:	Dispose in accordance with loca	I, state, and federal r	egulations.		
		Section 14. Trans	sport Informat	tion		
14.1 LAND T	RANSPORT (US	DOT):				
DOT Prope	r Shipping Name	: Toxic solid, organic, n.o.s. (Carmofur)			
DOT Hazar	d Class:	6.1 POISON				
UN/NA Nur	nber:	UN2811	Packing Grou	ıp:	II	
		POISON				
		6				
	-	opean ADR/RID):				
	hipping Name:	Toxic solid, organic, n.o.s. (
UN Numbe		2811	Packing Grou	ıp:	II	
Hazard Cla		6.1 - POISON				
	ANSPORT (ICAO/	-				
ICAO/IATA	Shipping Name:	Toxic solid, organic, n.o.s. (
UN Numbe	r:	2811	Packing Group:		II	
Hazard Cla	SS:	6.1 - POISON	IATA Classification:		6.1	
Additional Trai	nsport	Transport in accordance with lo	cal, state, and federa	l regulations.		
Information:		When sold in quantities of less than or equal to 1 mL, or 1 g, with an Excepted Quantity Code of				
		E1, E2, E4, or E5, this item mee				
		Therefore packaging does not h	ave to be labeled as	Dangerous Good	ls/Excepted Quantity.	
		Section 15. Regul	atory Informa	tion		
EPA SARA (Su	perfund Amendn	nents and Reauthorization Act of	of 1986) Lists			
CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
61422-45-5	5-Fluoro-N-hexyl midinecarboxami	-3,4-dihydro-2,4-dioxo-1(2H)-pyri ide	No	No	No	
		ponents (Chemical Name)	Other US EPA or S	+ State Lists	ł	
CAS #	Hazardous Com	······································		o. CWA NPDES	N. TOOM N. OA	
CAS # 61422-45-5		-3,4-dihydro-2,4-dioxo-1(2H)-pyri	CAA HAP,ODC: N		No; TSCA: No; CA	
		-3,4-dihydro-2,4-dioxo-1(2H)-pyri	PROP.65: No		No; ISCA: No; CA	
	5-Fluoro-N-hexyl midinecarboxami	-3,4-dihydro-2,4-dioxo-1(2H)-pyri	PROP.65: No			

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Section 16. Other Information			
Revision Date:	09/21/2018		
Additional Information 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.		