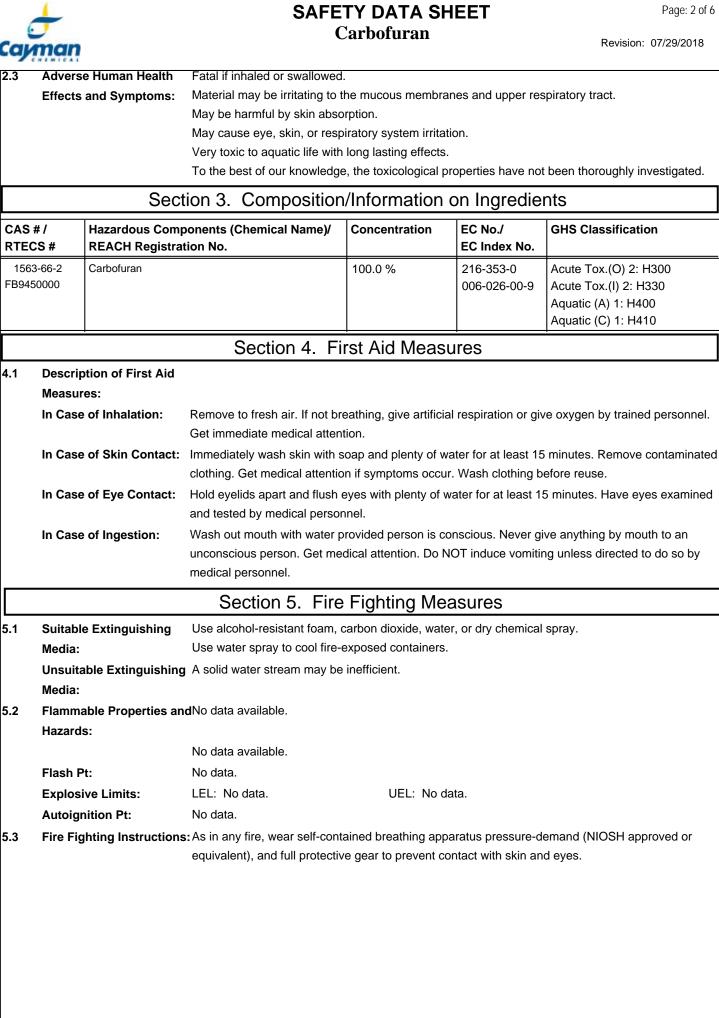


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		ing to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2015/830					
	Section 1.	Identification of the Substance/Mixture and of th	e Company/Undertaking				
1	Product Code:	25635					
1.2	Product Name:	Carbofuran					
	Synonyms:	7-(N-methylcarbamate) 2,3-dihydro-2,2-dimethy	/l-7-benzofuranol; BAY 70143; NSC 167822				
	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					
		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 nu	mber:					
	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				
1	Classification of the Subs	stance or Mixture:					
•	Acute Toxicity: Inhalati						
	-						
	Acute Toxicity: Oral, Category 2						
	Aquatic Toxicity (Acute), Category 1						
	Aquatic Toxicity (Chronic), Category 1						
っ		nic), Category 1					
.2	Aquatic Toxicity (Chror Label Elements:	nic), Category 1					
2		nic), Category 1					
2		nic), Category 1 Danger					
2	Label Elements:	•					
2	Label Elements:	Danger					
2	Label Elements:	Danger					
2	Label Elements:	Danger					
2	Label Elements:	Danger					
2	Label Elements:	Danger tic life. tic life with long lasting effects.					
2	Label Elements:	Danger tic life. tic life with long lasting effects.					
2	Label Elements:	Danger tic life. tic life with long lasting effects. es: ust/fume/gas/mist/vapors/spray}.					
2	Label Elements: GHS Signal Word: GHS Hazard Phrases: H300: Fatal if swallowed. H300: Fatal if inhaled. H400: Very toxic to aqua H410: Very toxic to aqua H410: Very toxic to aqua H410: Very toxic to aqua H410: Very toxic to aqua	Danger tic life. tic life with long lasting effects. es: ust/fume/gas/mist/vapors/spray}. roughly after handling.					
2	Label Elements: GHS Signal Word: GHS Hazard Phrases: H300: Fatal if swallowed. H300: Fatal if swallowed. H300: Fatal if inhaled. H400: Very toxic to aquar H410: Very toxic to aquar	Danger tic life. tic life with long lasting effects. es: ust/fume/gas/mist/vapors/spray}. roughly after handling. he environment.					
2	Label Elements:	Danger tic life. tic life with long lasting effects. es: ust/fume/gas/mist/vapors/spray}. roughly after handling. ne environment. protection {}.					
2	Label Elements:	Danger tic life. tic life with long lasting effects. es: ust/fume/gas/mist/vapors/spray}. roughly after handling. ne environment. protection {}.	doctor/physician.				
2	Label Elements:	Danger tic life. tic life with long lasting effects. es: ust/fume/gas/mist/vapors/spray}. roughly after handling. ne environment. protection {}.					
2	Label Elements:	Danger tic life. tic life with long lasting effects. es: ust/fume/gas/mist/vapors/spray}. roughly after handling. he environment. protection {}. s: VED: P310: Immediately call a POISON CENTER or					
2	Label Elements:	Danger tic life. tic life with long lasting effects. es: ust/fume/gas/mist/vapors/spray}. roughly after handling. he environment. protection {}. s: VED: P310: Immediately call a POISON CENTER or of Remove victim to fresh air and keep at rest in a positi					
2	Label Elements:	Danger tic life. tic life with long lasting effects. es: ust/fume/gas/mist/vapors/spray}. roughly after handling. he environment. protection {}. s: VED: P310: Immediately call a POISON CENTER or of Remove victim to fresh air and keep at rest in a positi					
2	Label Elements:	Danger tic life. tic life with long lasting effects. es: ust/fume/gas/mist/vapors/spray}. roughly after handling. the environment. protection {}. s: VED: P310: Immediately call a POISON CENTER or a Remove victim to fresh air and keep at rest in a positi is urgent {see on this label}.					

Multi-region format



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		Secti	on 6. Accidental	Release Measures			
6.1	Protective Precautions,	Avoid	breathing vapors and prov	vide adequate ventilation.			
	Protective Equipment and	d As cor	nditions warrant, wear a N	IOSH approved self-contained breathing apparatus	s, or respirator,		
	Emergency Procedures:	and ap	propriate personal protec	tion (rubber boots, safety goggles, and heavy rubb	er gloves).		
6.2	Environmental Precautions:	Take steps to avoid release into the environment, if safe to do so.					
6.3	Methods and Material For	r Contai	in shill and collect, as ann	ropriato			
0.5			• • • •	ntainer for disposal in accordance with local regula	ations		
	Up:	ig rianor					
		S	Section 7. Handl	ing and Storage			
7.1	Precautions To Be Taken	Avoid b	preathing dust/fume/gas/m	nist/vapours/spray.			
	in Handling:	Avoid p	prolonged or repeated exp	osure.			
7.2	Precautions To Be Taken	Keep c	container tightly closed.				
	in Storing:	Store in	n accordance with informa	tion listed on the product insert.			
	Sect	tion 8	. Exposure Cont	trols/Personal Protection			
8.1	Exposure Parameters:						
CAS #	# Chemical Name		Jurisdiction	Recommended Exposure Limits	Notations		
1563-	66-2 Carbofuran		ACGIH TLV	TLV: (0.1 mg/m3)			
			France VL	TWA: 0.1 mg/m3			
8.2	Exposure Controls:						
8.2.1	Engineering Controls	Use pr	ocess enclosures, local ex	chaust ventilation, or other engineering controls to	control airborne		
	(Ventilation etc.):	levels b	pelow recommended expo	osure limits.			
8.2.2	Personal protection equipment:						
	Eye Protection:	Safety	glasses				
	Protective Gloves:	Compa	tible chemical-resistant gl	oves			
	Other Protective Clothing:Lab coat						
	Respiratory Equipment	NIOSH	l approved respirator, as c	conditions warrant.			
	(Specify Type):						
	Work/Hygienic/Maintenar	n Do not	take internally.				
	ce Practices:	Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower.					
		Wash thoroughly after handling.					
		No data	a available.				
				м	ulti-region format		
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fficient: bignition Pt: omposition Temperature:	No data.		
Dignition Pt: Composition Temperature:			
omposition Temperature:			
ositv:	No data.		
	No data.		
r Information			
ent Volatile:	No data.		
ecular Formula & Weight:	C12H15NO3 221.3		
C C	Section 10. Stability and Reactivity		
ctivity: No da	ata available.		
bility: Unsta	able [] Stable [X]		
bility Note(s): Stable	e if stored in accordance with information listed on the product insert.		
merization: Will o	occur [] Will not occur [X]		
ditions To Avoid: No da	ata available.		
mpatibility - Materials strong	g oxidizing agents		
void:			
	on dioxide		
	on monoxide		
-	jen oxides		
	ecular Formula & Weight: Ctivity: No da ility: Unsta ility Note(s): Stabl merization: Will of ditions To Avoid: No da mpatibility - Materials stron void: ardous carbo omposition or carbo		

Multi-region format



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			Section	11. Toxicol	ogical Infor	mation		
1.1	Informat	ion on		ical effects of this p	•		ly studied.	
	Toxicolo	gical Effects:	Carbofuran -	Toxicity Data: Oral	TDLO (woman):	1200 ug/kg; O	ral LD50 (rat): 5 m	ig/kg; Oral TDL
			(man): 1428.6	uL/kg; Subcutane	ous TDLO (rat): 1	.25 mg/kg; Int	raperitoneal TDLC) (rat): 1.5 mg/k
			Intraperitonea	I TDLO (mouse): 3	mg/kg/6W (inter	mittent);		
	Chronic	Toxicological	Carbofuran - I	nvestigated as an	agricultural chem	ical, mutagen,	primary irritant, a	nd reproductive
	Effects:		effector.			.		
			-	egistry of Toxic Effe		-	RTECS) data is pre	esented here.
				try in RTECS for contract to the term of t	•	on.		
Carcin	ogenicity	<i>/</i> :	NTP? No	IARC Monograph		A Regulated?	No	
CAS #		Hazardous Com			NTP			OSHA
1563	3-66-2	Carbofuran			n.a.	n.a.	A4	n.a.
			Sectio	on 12. Ecolo	nical Inform	nation		
2.1	Toxicity			into the environme	-			
	i exiety.			re control or dilution		e pollution.		
12.2	Persiste	nce and	No data availa	able.	-			
	Degrada	bility:						
2.3	Bioaccu	mulative	No data availa	able.				
	Potentia	I:						
2.4	Mobility	in Soil:	No data availa	able.				
2.5	Results	of PBT and vPvB	No data availa	able.				
	assessm	nent:						
2.6	Other ad	lverse effects:	No data availa	able.				
			Sectior	n 13. Dispos	al Conside	rations		
13.1	Waste D	isposal Method:	Dispose in ac	cordance with local	, state, and feder	al regulations.		
			Secti	on 14. Trans	sport Inform	nation		
14.1	LAND T	RANSPORT (US E	DOT):					
D	OT Prope	r Shipping Name:	Toxic soli	d, organic, n.o.s. (0	Carbofuran)			
	OT Hazaro		6.1	POISON				
U	N/NA Nun	nber:	UN2811		Packing G	iroup:	I	
			<u> </u>					
			POISON 6					
14.1		RANSPORT (Euro hipping Name:	-	d, organic, n.o.s. (0	Corbofuron)			
	N Number		2811	u, organic, n.o.s. (C	Packing G	iroun:		
	azard Cla		6.1 - POI	SON	i acking c	noup.		
							I	Multi-region form



	ISPORT (ICAO/	IATA):					
ICAO/IATA S	hipping Name:	Toxic solid, organic, n.o.s.	(Carbofuran)				
UN Number: Hazard Class:		2811	Packing Grou	р:	I		
		6.1 - POISON	IATA Classifi	cation:	6.1		
Additional Trans	port	Transport in accordance with lo	ocal, state, and federal	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 meets the De Minimis Quantities exemption, per IATA 2.6.10.					
		Therefore packaging does not I	have to be labeled as	Dangerous Good	s/Excepted Quantity.		
		Section 15. Regu	latory Informat	ion			
EPA SARA (Supe	erfund Amendn	nents and Reauthorization Act	of 1986) Lists				
CAS#	lazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)		
1563-66-2 0	Carbofuran		Yes 10 LB *	Yes 10 LB	Yes		
CAS# H	lazardous Com	ponents (Chemical Name) Other US EPA or State Lists			•		
1563-66-2 C	Carbofuran		CAA HAP,ODC: No; CWA NPDES: Yes; TSCA: Yes - Inventory; CA PROP.65: No				
Regulatory Inform	nation	This SDS was prepared in acco No.1272/2008.	ordance with 29 CFR 1	910.1200 and Re	egulation (EC)		
		Section 16. Oth	ner Information)			
Revision Date:		07/29/2018					
Additional Inform	ation About	No data available.					
This Product:							
Company Policy or Disclaimer:		DISCLAIMER: This information currently available to us. Howev express or implied, with respect use. Users should make their of their particular surrages	ver, we make no warra t to such information, a	inty of merchanta and we assume n	bility or any other warrant		
		their particular purposes.					
		their particular purposes.					
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