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1	SAFETY DATA SHE	ET Page: 1 of S
9	Mecamylamine (hydrochl	oride) Revision: 04/17/2018
man		Supersedes Revision: 06/24/2013
accor	ding to Regulation (EC) No. 1907/2006 as amended by (I	EC) No. 1272/2008
Section 1. Id	entification of the Substance/Mixture and of th	Mecanylamine (hydrochloride) Revision: 06/24/2013 segulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008 Ition of the Substance/Mixture and of the Company/Undertaking g2 anylamine (hydrochloride) 3,3-terramethyl-bicyclo[2,2,1]heptan-2-amine, monohydrochloride; Inversine; stance or mixture and uses advised against: esearch use only, not for human or veterinary use. ///// ///////////////////////////////
Product Code:	14602	
Product Name:	Mecamylamine (hydrochloride)	
Synonyms:	N,2,3,3-tetramethyl-bicyclo[2.2.1]heptan-2-amir	ne, monohydrochloride; Inversine;
Relevant identified uses of t	he substance or mixture and uses advised aga	iinst:
Relevant identified uses:	For research use only, not for human or veterin	ary use.
Details of the Supplier of the	e 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
Emergency telephone numb	per:	
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
Classification of the Substa	nce or Mixture:	
Acute Toxicity: Oral, Cate	gory 3	
Skin Corrosion/Irritation,	Category 2	
Serious Eye Damage/Eye	Irritation, Category 2A	
Specific Target Organ Tox	ticity (single exposure), Category 3	
Label Elements:		
GHS Signal Word:	Denner	
GHS Hazard Phrases:	Danger	
H301: Toxic if swallowed.		
H315: Causes skin irritation		
H319: Causes serious eye i		
H335: May cause respirator		
GHS Precaution Phrases:	-	
P264: Wash {hands} thorou	ghly after handling.	
	es/protective clothing/eye protection/face protection	on}.
	inated clothing and wash it before reuse.	
P261: Avoid breathing {dust	/fume/gas/mist/vapours/spray}.	
GHS Response Phrases:		
-	D: Immediately call a POISON CENTER or doctor/	'physician.
P330: Rinse mouth.		
	ash with plenty of soap and water.	
	occurs, get medical advice/attention.	
	S: Rinse cautiously with water for several minutes.	Remove contact lenses, if present and easy
to do. Continue rinsing.		
DOOT Of On If and imitation a	araiata, gat madiaal advice/attention	

P337+313: If eye irritation persists, get medical advice/attention.

P309+311: Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

Multi-region format



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P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. **GHS Storage and Disposal Phrases:** Please refer to Section 7 for Storage and Section 13 for Disposal information. 2.3 Adverse Human Health Causes serious eye irritation. Causes skin irritation. Effects and Symptoms: Material may be irritating to the mucous membranes and upper respiratory tract. May be harmful by inhalation or skin absorption. May cause respiratory system irritation. Toxic if swallowed. To the best of our knowledge, the toxicological properties have not been thoroughly investigated. Section 3. Composition/Information on Ingredients CAS#/ Hazardous Components (Chemical Name)/ Concentration EC No./ **GHS Classification RTECS # REACH Registration No.** EC Index No. 826-39-1 Mecamylamine (hydrochloride) 212-555-8 100.0 % Acute Tox.(O) 3: H301 RB6900000 Skin Corr. 2: H315 NA Eye Damage 2A: H319 STOT (SE) 3: H335 H336 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 20 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 20 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. Use water spray to cool fire-exposed containers. Media: Unsuitable Extinguishing A solid water stream may be inefficient. Media: 5.2 Flammable Properties and No data available. Hazards: No data available. Flash Pt: No data. **Explosive Limits:** LEL: No data. UEL: No data. **Autoignition Pt:** No data. 5.3 Fire Fighting Instructions: 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.

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	S	Section 6. Accidental Release Measures				
6.1	Protective Precautions,	Avoid raising and breathing dust, and provide adequate ventilation.				
		As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,				
		and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).				
6.2		Take steps to avoid release into the environment, if safe to do so.				
	Precautions:					
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				
	Descentions To Do Talan	Section 7. Handling and Storage				
7.1		Avoid breathing dust/fume/gas/mist/vapours/spray.				
	•	Avoid prolonged or repeated exposure.				
7.2		Keep container tightly closed.				
	in Storing:	Store in accordance with information listed on the product insert.				
	Section	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 equipr	nent:				
	Eye Protection:	Safety glasses				
	Protective Gloves:	Compatible chemical-resistant gloves				
	Other Protective Clothing:	Lab coat				
	Respiratory Equipment NIOSH approved respirator, as conditions warrant.					
	(Specify Type):					
	Work/Hygienic/Maintenan	Do not take internally.				
	ce Practices:					
	Wash thoroughly after handling.					
	1	No data available.				
	Se	ction 9. Physical and Chemical Properties				
9.1	Information on Basic Physic	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.				
	Vapor Pressure (vs. Air or	mm No data.				
	Hg):					
	Vapor Density (vs. Air = 1):	No data.				
		Multi-region format				



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								0
		Gravity (Water =	,					
		y in Water:	100 mM					
	Solubilit	-	~5 mg/ml	in PBS (pH 7.2); -	-20 mg/ml in EtOF	l; ~5 mg/ml in l	DMSO; ~2 mg/	ml in DMF;
		Water Partition	No data.					
	Coefficie	ent:						
	Autoigni	tion Pt:	No data.					
	Decomp	osition Temperat	ure: No data.					
	Viscosity	y:	No data.					
9.2	Other Inf	ormation						
	Percent	Volatile:	No data.					
	Molecula	ar Formula & Weig	ght: C11H21N	I • HCI 203.8				
			Section	10. Stability	and Reacti	vity		
10.1	Reactivit	v:	No data available	-		<u> </u>		
10.2	Stability	-	Unstable []	Stable [X]				
10.3	Stability			accordance with	information listed	on the product	insert.	
	-		Will occur []	Will not occur [X				
10.4								
				5.				
10.5	-	tibility - Materials	oxidizing agents					
	To Avoid							
10.6	Hazardo		carbon dioxide					
	-	osition or	carbon monoxide					
	Byprodu	cts:	hydrogen chloride	e gas				
			nitrogen oxides					
			Section 1	1. Toxicolog	gical Informa	ation		
11.1	Informat	ion on	The toxicological	effects of this proc	duct have not beer	n thoroughly st	udied.	
	Toxicolo	gical Effects:	Mecamylamine (I	hydrochloride) - To	oxicity Data: Oral L	D50 (rat): 208	mg/kg; Intrape	ritoneal LD50
				ubcutaneous LD50		-	ouse): 92 mg/k	g; Intraperitoneal
			LD50 (mouse): 1	7 mg/kg; Subcutar	neous LD50 (mous	se): 81 mg/kg;		
	Chronic	Toxicological	Mecamylamine (I	hydrochloride) - In	vestigated as a dru	ıg.		
	Effects:		Only select Regis	stry of Toxic Effect	s of Chemical Sub	stances (RTE	CS) data is pre	sented here.
			•	in RTECS for com	•			
			Mecamylamine (I	hydrochloride) RTI	ECS Number: RB6	900000		
CAS #	ŧ	Hazardous Com	ponents (Chemic	al Name)	NTP	IARC	ACGIH	OSHA
826	5-39-1	Mecamylamine (h	ydrochloride)		n.a.	n.a.	n.a.	n.a.
			Section	12. Ecologi	cal Informat	ion		
12.1	Toxicity:		Avoid release inte	o the environment.				
			Runoff from fire of	control or dilution w	ater may cause p	ollution.		
12.2	Persiste	nce and	No data available	Э.				
	Degrada	bility:						
12.3	Bioaccu	mulative	No data available	9.				
	Potentia							
12.4	Mobility		No data available	2				
	-							
12.5		of PBT and vPvB	IND GATA AVAIIABLE	÷.				
	assessm							
12.6	Other ad	verse effects:	No data available	э.				
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C A A A A A A A A A A A A A A A A A A A				Supe	ersedes Revision: 06/24/2013	
		Section 13. Dispos	sal Considerat	tions		
3.1 Waste D	Disposal Method:	Dispose in accordance with loc	al, state, and federal i	regulations.		
		Section 14. Tran	sport Informa	tion		
14.1 LAND 1	RANSPORT (US	DOT):				
DOT Prope	er Shipping Name	Toxic solids, organic, n.o.s	. (Mecamylamine (hyd	drochloride))		
DOT Hazaı	d Class:	6.1 POISON				
UN/NA Nu	mber:	UN2811	Packing Gro	up:	III	
14.4 LAND 1		POISON 6				
	FRANSPORT (Euro Shipping Name:	Toxic solids, organic, n.o.s	(Macamylamina (by	drachlarida))		
UN Numbe		2811	Packing Gro		Ш	
Hazard Cla		6.1 - POISON		~ [~ .		
	ANSPORT (ICAO/					
	Shipping Name:	Toxic solids, organic, n.o.s	. (Mecamvlamine (hvo	drochloride))		
UN Numbe		2811	Packing Gro		Ш	
Hazard Cla	ISS:	6.1 - POISON	IATA Classifi	-	6.1	
Additional Tra	nsport	Transport in accordance with lo	ocal, state, and federa	I regulations.		
		E1, E2, E4, or E5, this item me Therefore packaging does not Section 15. Regu	have to be labeled as latory Informa	Dangerous Good	-	
•	i	nents and Reauthorization Act	-	0.004.00		
CAS # 826-39-1	Mecamylamine (I	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ No	S. 313 (TRI)	
CAS #		ponents (Chemical Name)	Other US EPA or			
826-39-1	Mecamylamine (I	nyarochioriae)	PROP.65: No	IO; CIVA NPDES	: No; TSCA: No; CA	
Regulatory Info Statement:	ormation	This SDS was prepared in according No.1272/2008.	ordance with 29 CFR	1910.1200 and R	egulation (EC)	
		Section 16. Ot	her Informatio	n		
Revision Date:		04/17/2018				
Additional Information About		No data available.				
his 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.				
					Multi-region for	