

Revision: 03/23/2015

	accord	ling to Regulation (EC) No. 1907/2006 as amended by ((EC) No. 1272/2008				
		entification of the Substance/Mixture and of the					
1.1	Product Code: Product Name: Synonyms:	oduct Code: 17201 oduct Name: Ifenprodil (hemitartrate)					
1.2	Relevant identified uses of t	he substance or mixture and uses advised aga	ainst:				
	Relevant identified uses: For research use only, not for human or veterinary use.						
1.3	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				
1.4	Emergency telephone numb	er:					
	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				
2.2 2.2.1	Label Elements:	Category 2					
	GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowed. H312: Harmful in contact wit H315: Causes skin irritation. H319: Causes serious eye in H332: Harmful if inhaled. H335: May cause respirator	ritation.					



2.3

SAFETY DATA SHEET Ifenprodil (hemitartrate)

	GHS Precaution Phrases:					
	P261: Avoid breathing {dust/fume/gas/mist/vapors/spray}.					
	P264: Wash {hands} thoroughly after handling.					
	P280: Wear {protective gl	loves/protective clothing/eye protection/face protection}.				
	GHS Response Phrases	5.				
	P301+312: IF SWALLOW	VED: Call a POISON CENTER or doctor/physician if you feel unwell.				
	P302+352: IF ON SKIN: \	Wash with plenty of soap and water.				
	P304+340: IF INHALED:	Remove victim to fresh air and keep at rest in a position comfortable for breathing.				
	P305+351+338: IF IN EY	ES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy				
	to do. Continue rinsing.					
	P312: Call a POISON CE	NTER or doctor/physician if you feel unwell.				
	P321: Specific treatment	{see on this label}.				
	P330: Rinse mouth.					
	P332+313: If skin irritation	n occurs, get medical advice/attention.				
	P337+313: If eye irritation	n persists, get medical advice/attention.				
	P362+364: Take off conta	aminated clothing and wash it before reuse.				
	GHS Storage and Dispo	sal Phrases:				
	Please refer to Section 7	for Storage and Section 13 for Disposal information.				
1	Adverse Human Health	Causes serious eye irritation.				
I	Effects and Symptoms:	Causes skin irritation.				
		Harmful if inhaled.				
		Harmful if swallowed.				
		Harmful in contact with skin.				
		Material may be irritating to the mucous membranes and upper respiratory tract.				
		May cause respiratory system irritation.				
To the best of our knowledge, the toxicological properties have not been thoroughly investigation						
	Sect	tion 3. Composition/Information on Ingredients				
	0001					

Section 3.	Composition/	Information c	on Ingredie	ents

CAS # / RTECS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
23210-58-4 NA	4-Benzyl-1-[.beta.,4-dihydroxyalphamethylphenet hyl]piperidinium hydrogen tartrate	100.0 %	245-493-5 NA	Acute Tox.(O) 4: H302 Acute Tox.(D) 4: H312 Acute Tox.(I) 4: H332 Skin Corr. 2: H315 Eye Damage 2A: H319 STOT (SE) 3: H335 H336



SAFETY DATA SHEET Ifenprodil (hemitartrate)

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			Section 4	 First Aid Measu 	ures		
4.1	Description of First Aid No data available. Measures:						
	In Case	of Inhalation:	Remove to fresh air. If Get immediate medica	f not breathing, give artificia al attention.	I respiration or give oxyg	gen by trained personnel.	
	In Case	of Skin Contact:	-	n with soap and plenty of wa attention if symptoms occur			
	In Case	e of Eye Contact: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examine and tested by medical personnel.					
	In Case	of Ingestion:		water provided person is co Get medical attention. Do N			
			Section 5.	Fire Fighting Mea	asures		
5.1	Media:	e Extinguishing ble Extinguishing		foam, carbon dioxide, wate ool fire-exposed containers. may be inefficient.	r, or dry chemical spray.		
5.2	Media:		d No data available.	· , · · · · · ·			
	Hazards		NI 17				
	Flash Pt		No data.				
	-	ve Limits:	LEL: No data.	UEL: No da	ala.		
	-	ignition 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.						
			Section 6. Acc	cidental Release N	Measures		
6.1		Protective Precautions, Avoid raising and breathing dust, and provide adequate ventilation.					
				t, wear a NIOSH approved			
~ ~	-	-		onal protection (rubber boot		leavy rubber gloves).	
6.2	Environ Precaut		lake steps to avoid r	elease into the environment	t, if safe to do so.		
6.3			Contain spill and coll	ect as appropriate			
0.0	Methods and Material For Contain spill and collect, as appropriate. Containment and CleaningTransfer to a chemical waste container for disposal in accordance with local regulations. Up:						
			Section 7.	Handling and Sto	orage		
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 TakenKeep container tightly closed.in Storing:Store in accordance with information listed on the product insert.						
		Sec	tion 8. Exposu	re Controls/Perso	nal Protection		
8.1	Exposur	e Parameters:					
CAS	#	Partial Chemical	Name	Britain EH40	France VL	Europe	
232	10-58-4		,4-dihydroxyalpha Diperidinium hydrogen	No data.	No data.	No data.	
		tartrate					



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CAS	#	Partial Chemical	Name	OSHA TWA	ACGIH TWA	Other Limits
2321	10-58-4		4-dihydroxyalpha peridinium hydrogen	No data.	No data.	No data.
3.2	Exposu	re Controls:				
3.2.1	-		Use process enclosu	res, local exhaust venti	ilation, or other engineering co	ontrols to control airborr
	-	-	-	ended exposure limits.		
8.2.2	-	al protection equip	ment:			
	Eye Pro	tection:	Safety glasses			
			Compatible chemical-	-resistant gloves		
	Other P	rotective Clothing:	Lab coat			
	Respira	tory Equipment	NIOSH approved resp	pirator, as conditions w	varrant.	
	(Specify	/ Туре):				
	Work/H	ygienic/Maintenan	Do not take internally			
	ce Prac	tices:	Facilities storing or ut	ilizing this material sho	ould be equipped with an eyew	vash and a safety showe
			Wash thoroughly afte	r handling.		
			No data available.			
		Se	ection 9. Phys	ical and Chem	ical Properties	
9.1	Informat	tion on Basic Phys	ical and Chemical Pr	roperties		
	Physica	al States:	[]Gas [] Liquid [X] Solid		
	Appeara	ance and Odor:	A crystalline s	olid		
	Melting	Point:	No data.			
	Boiling	Point:	No data.			
	Flash P	t:	No data.			
	-	ation Rate:	No data.			
	=	ve Limits:	LEL: No data		UEL: No data.	
	Vapor P Hg):	Pressure (vs. Air or	mm No data.			
	Vapor D	Density (vs. Air = 1)	: No data.			
	Specific	c Gravity (Water = ²	I): No data.			
	Solubili	ty in Water:	No data.			
	Solubili	ty Notes:	~1 mg/ml in P	BS (pH 7.2); ~30 mg/n	nl in EtOH & DMSO; ~50 mg/r	nl in DMF;
	Autoign	ition Pt:	No data.			
9.2	Other In	formation				
	Percent	Volatile:	No data.			
	Molecul	lar Formula & Weig	ht: C21H27NO2	• 1/2C4H6O6 400	0.5	
			Section 10.	. Stability and I	Reactivity	
10.1	Reactiv	ity:	No data available.			
10.2	Stability	/:	Unstable [] Stal	ble [X]		
10.3	Stability	/ Note(s):	Stable if stored in acc	cordance with informati	on listed on the product insert	
	Polyme	rization:	Will occur [] Wi	ll not occur [X]		
10.4	Conditions To Avoid: No data available.					
10.5	Incomp	atibility - Materials	oxidizing agents			
	To Avoi	id:				
10.6	Hazardo	bus	carbon dioxide			
	Decomp	position Or	carbon monoxide			
						Multi-region form



Byproducts:		cts:	nitrogen oxides hydrogen chloride gas					
				odical I	nform	ation		
11.1		Section 11. Toxicological Information Information on The toxicological effects of this product have not been thoroughly studied. Toxicological Effects: The toxicological effects of this product have not been thoroughly studied.						
CAS #	¥	Hazardous Com	oonents (Chemical Name)		NTP	IARC	ACGIH	OSHA
2321	0-58-4	4-Benzyl-1-[.beta. ridinium hydroger	,4-dihydroxyalphamethylphene tartrate	ethyl]pipe	n.a.	n.a.	n.a.	n.a.
			Section 12. Ecolog	gical In	format	ion	•	•
12.1 12.2	Toxicity: Persister							
12.3	Degrada Bioaccui Potentia	mulative	No data available.					
12.4 12.5	Mobility Results	in Soil: of PBT and vPvB	No data available. No data available.					
12.6	assessm Other ad	verse effects:	No data available.					
			Section 13. Dispos	al Cons	siderat	ions		
13.1	Waste Di	isposal Method:	Dispose in accordance with local	l, state, and	d federal r	egulations.		
			Section 14. Trans	sport In	format	tion		
14.1	LAND T	RANSPORT (US E	0OT):					
D	OT Prope OT Hazaro N/NA Num		Not dangerous goods.					
14.1	LAND T	RANSPORT (Euro	pean ADR/RID):					
U	DR/RID Sł N Number azard Clas		Not dangerous goods.					
14.3		NSPORT (ICAO/I	ATA):					
IC	ΑΟ/ΙΑΤΑ	Shipping Name:	Not dangerous goods.					
	ional Tran nation:	isport	Transport in accordance with loc	al, state, a	nd federa	l regulations.		
			Section 15. Regula	atory In	formation	tion		
EPA S	SARA (Su	perfund Amendm	ents and Reauthorization Act o	of 1986) Lis	sts			
CAS #	¥	Hazardous Com	oonents (Chemical Name)	S. 302 (E	EHS)	S. 304 RQ	S. 313	B (TRI)
2321	0-58-4		,4-dihydroxyalphamethylphen hydrogen tartrate	No		No	No	
CAS #	#	Hazardous Com	oonents (Chemical Name)	Other US EPA or State Lists				
23210-58-4 4-Benzyl-1-[.beta.,4-dihydroxyalphamethylphen ethyl]piperidinium hydrogen tartrate		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No						

Multi-region format



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Regulatory Information Statement:					
Section 16. Other Information					
Revision Date:	evision Date: 03/23/2015				
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.				