

Revision: 07/07/2015

		ording to Regulation (EC) No. 1907/2006 as amended by					
	Section 1.	Identification of the Substance/Mixture and of t	he Company/Undertaking				
.1	Product Code:	17853					
	Product Name:	Detomidine (hydrochloride)					
	Synonyms:	5-[(2,3-dimethylphenyl)methyl]-1H-imidazole,	monohydrochloride; Domosedan; MPV 253AI				
2	Relevant identified uses o	f the substance or mixture and uses advised ag	gainst:				
	Relevant identified uses	: For research use only, not for human or veter	inary 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 nur						
Ŧ	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300				
	Emergency contact.	CHEMTREC Outside USA and Canada:	+1 (703)527-3887				
		Section 2. Hazards Identific					
1	Classification of the Subs						
	Classification of the Substance or Mixture: Acute Toxicity: Inhalation, Category 3						
	Acute Toxicity: Oral, Category 3 Acute Toxicity: Oral, Category 3						
	Acute Toxicity: Oral, Category 3 Acute Toxicity: Skin, Category 3						
2	Label Elements:						
	GHS Signal Word:	Danger					
	GHS Hazard Phrases:						
	H301: Toxic if swallowed.						
	H311: Toxic in contact with skin.						
	H331: Toxic if inhaled.						
	GHS Precaution Phrases:						
	P261: Avoid breathing {dust/fume/gas/mist/vapors/spray}.						
	P264: Wash {hands} thoroughly after handling.						
	P280: Wear {protective gloves/protective clothing/eye protection/face protection}.						
	GHS Response Phrases:						
	P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.						
	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.					
		Remove victim to fresh air and keep at rest in a pos	sition comfortable for breathing.				
	P304+340: IF INHALED:	Remove victim to fresh air and keep at rest in a pos NTER or doctor/physician.	sition comfortable for breathing.				
	P304+340: IF INHALED:	NTER or doctor/physician.	sition comfortable for breathing.				
	P304+340: IF INHALED: P311: Call a POISON CE	NTER or doctor/physician.	sition comfortable for breathing.				
	P304+340: IF INHALED: P311: Call a POISON CE P321: Specific treatment P330: Rinse mouth.	NTER or doctor/physician.					
	P304+340: IF INHALED: P311: Call a POISON CE P321: Specific treatment P330: Rinse mouth.	NTER or doctor/physician. {see on this label}. ediately all contaminated clothing and wash it before					



2.3	3 Adverse Human Health Effects and Symptoms:		Material may be irritating to the mucous membranes and upper respiratory tract. May cause eye, skin, or respiratory system irritation. Toxic if inhaled. Toxic if swallowed. Toxic in contact with skin. To the best of our knowledge, the toxicological properties have not been thoroughly investigated.				
		Sect	ion 3. Composition	/Information	on Ingredie	nts	
	CAS # / Hazardous Comp RTECS # REACH Registrat		ponents (Chemical Name)/	Concentration	EC No./ EC Index No. NA NA	GHS Classification	
			3-dimethylphenyl)methyl]-,			Acute Tox.(O) 3: H301 Acute Tox.(D) 3: H311 Acute Tox.(I) 3: H331	
			Section 4. Fi	rst Aid Meas	ures		
	Measures: In Case of Inhalation: In Case of Skin Contact: In Case of Eye Contact: In Case of Ingestion:		Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention. 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 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 Me	asures		
5.1 5.2				exposed containers	-	spray.	
	-		No data available. No data. LEL: No data. No data.	UEL: No c	lata.		
5.3	-		: As in any fire, wear self-cont equivalent), and full protectiv				



Revision: 07/07/2015

			Section 6. Ac	cidental Release M	easures			
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 respiration. 				atus, or respirator,			
	Emerge	ncy Procedures:	and appropriate pers	onal protection (rubber boots,	safety goggles, and heavy re	ubber gloves).		
6.2	Environ	mental	Take steps to avoid r	elease into the environment, i	f safe to do so.			
	Precaut	ions:						
6.3	.3 Methods and Material For Contain spill and coll							
	Containment and CleaningTransfer to a chemica			al waste container for disposa	I in accordance with local reg	gulations.		
	Up:							
			Section 7.	Handling and Stor	age			
7.1	Precaut	ions To Be Taken	Avoid breathing dust/	fume/gas/mist/vapours/spray.				
	in Hand	lling:	Avoid prolonged or re	epeated exposure.				
7.2	Precaut	ions To Be Taken	Keep container tightly					
	in Stori	ng:	Store in accordance v	with information listed on the p	roduct insert.			
		Sec	tion 8. Exposu	re Controls/Person	al Protection			
8.1	Exposu	e Parameters:						
CAS	#	Partial Chemical	Name	Britain EH40	France VL	Europe		
9003	38-01-0	1H-Imidazole,		No data.	No data.	No data.		
		4-[(2,3-dimethylph						
CAS	<u> </u>	monohydrochloride Partial Chemical Name		OSHA TWA	ACGIH TWA	Other Limits		
L			name					
9003	38-01-0	1H-Imidazole, 4-[(2,3-dimethylphenyl)methyl]-,		No data.	No data.	No data.		
		monohydrochloride						
8.2	Exposu	re Controls:		ł				
8.2.1	Enginee	ering Controls Use process enclosur		res, local exhaust ventilation,	or other engineering controls	to control airborne		
			levels below recommended exposure limits.					
8.2.2 Personal protection equipment:								
	Eye Pro	Protection: Safety glasses						
	Protect	ive Gloves:	Compatible chemical-resistant gloves					
	Other P	rotective Clothing	ו g: Lab coat					
	Respiratory Equipment		NIOSH approved respirator, as conditions warrant.					
(Specify Type):								
	Work/Hygienic/Maintena							
	ce Practices:		Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower.					
			Wash thoroughly after handling.					
			No data available.					

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Revision: 07/07/2015

	C,	ection 9. Physical and Chemical Properties				
9.1		sical and Chemical Properties				
	Physical States:	[]Gas []Liquid [X]Solid				
	Appearance and Odor:	A crystalline solid				
	Melting Point:	No data.				
	Boiling Point:	No data.				
	Flash Pt: Evaporation Rate:	No data. No data.				
	•					
	Flammability (solid, gas): Explosive Limits:	No data available. LEL: No data. UEL: No data.				
	Vapor Pressure (vs. Air or	No data. UEL: No data.				
	Hg):					
	Vapor Density (vs. Air = 1): No data.				
	Specific Gravity (Water =					
	Solubility in Water:	No data.				
	Solubility Notes:	~1 mg/ml in PBS (pH 7.2); ~30 mg/ml in EtOH; ~25 mg/ml in DMSO & DMF;				
	Autoignition Pt:	No data.				
9.2	Other Information					
J.2	Percent Volatile:	No data.				
	Molecular Formula & Weig					
 		Section 10. Stability and Reactivity				
10.1	Reactivity:	No data available.				
10.2	Stability:	Unstable [] Stable [X]				
10.3	Stability Note(s):	Stable if stored in accordance with information listed on the product insert.				
	Polymerization:	Will occur [] Will not occur [X]				
10.4	Conditions To Avoid:	No data available.				
10.5	Incompatibility - Materials	s strong oxidizing agents				
	To Avoid:					
10.6	Hazardous	carbon dioxide				
	Decomposition or	carbon monoxide				
	Byproducts:	nitrogen oxides cyanide compounds				
		oyundo compoundo				
		Multi-region format				



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Revision: 07/07/2015

			Section 11. Toxico					
Information on The toxicological effects of this product have not been thoroughly studied. Toxicological Effects: Toxicological Effects:								
CAS	#	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
		1H-Imidazole, 4-[monohydrochloric	(2,3-dimethylphenyl)methyl]-, le	n.a.	n.a.	n.a.	n.a.	
			Section 12. Ecolo	ogical Informa	ation			
12.1			Avoid release into the environm Runoff from fire control or diluti		pollution.			
12.2	2.2 Persistence and Degradability:		No data available.					
12.3	2.3 Bioaccumulative Potential:		No data available.					
12.4	Mobility	in Soil:	No data available.					
12.5	Results assessn		No data available.					
12.6	Other ad	dverse effects:	No data available.					
			Section 13. Dispos	sal Considera	itions			
13.1	Waste D	isposal Method:	Dispose in accordance with loc	al, state, and federal	regulations.			
			Section 14. Tran	sport Informa	ation			
14.1	LAND T	RANSPORT (US I	 ЭОТ):	-				
	OT Prope OT Hazar	er Shipping Name:	Not dangerous goods.					
_	N/NA Nur							
14.1	LAND T	RANSPORT (Euro	pean ADR/RID):					
U	DR/RID S N Numbe azard Cla		Not dangerous goods.					
14.3	AIR TR	ANSPORT (ICAO/I	ATA):					
IC	AO/IATA	Shipping Name:	Not dangerous goods.					
	ional Traination:	nsport	Transport in accordance with lo	ocal, state, and feder	al regulations.			
			Section 15. Regu	latory Informa	ation			
EPA S	SARA (Su	perfund Amendm	ents and Reauthorization Act	of 1986) Lists				
CAC .	¥	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 31	3 (TRI)	
CAS		1H-Imidazole, 4-	(2,3-dimethylphenyl)methyl]-,	No	No	No		
	8-01-0	monohydrochloric	le					
CAS : 9003 CAS :		monohydrochloric	le ponents (Chemical Name)	Other US EPA or	State Lists			



Regulatory Information	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC)				
Statement:	No.1272/2008.				
Section 16. Other Information					
Revision Date:	07/07/2015				
Additional Information About	No data available.				
This Product:					
	No data available. 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.				