

	Section 1.	Identification of the Substance/Mixture and of th	e Company/Undertaking			
1	Product Code:	9000620				
1.1	Product Name:	Tapentadol (hydrochloride) RM				
	Synonyms:	3-[(1R,2R)-3-(dimethylamino)-1-ethyl-2-methyl	propyl]-phenol, monohydrochloride: Nucynta			
		Palexia;				
.2	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			
1.4	Emergency telephone nur					
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300			
		CHEMTREC Outside USA and Canada:	+1 (703)527-3887			
.1	Classification of the Subs	Section 2. Hazards Identifica				
	GHS Signal Word:	Warning				
	GHS Signal Word: GHS Hazard Phrases:	Warning				
	GHS Hazard Phrases:	Warning aging fertility or the unborn child.				
	GHS Hazard Phrases:	aging fertility or the unborn child.				
	GHS Hazard Phrases: H361: Suspected of dama	aging fertility or the unborn child. s:				
	GHS Hazard Phrases: H361: Suspected of dama GHS Precaution Phrase P201: Obtain special inst P202: Do not handle until	aging fertility or the unborn child. s: ructions before use. all safety precautions have been read and understo				
	GHS Hazard Phrases: H361: Suspected of dama GHS Precaution Phrase P201: Obtain special inst P202: Do not handle until P280: Wear {protective gl	aging fertility or the unborn child. s: ructions before use. all safety precautions have been read and understo loves/protective clothing/eye protection/face protectio				
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2.3	GHS Hazard Phrases: H361: Suspected of dama GHS Precaution Phrase P201: Obtain special instu P202: Do not handle until P280: Wear {protective gl GHS Response Phrases P308+313: IF exposed or GHS Storage and Dispo Please refer to Section 7 Adverse Human Health	aging fertility or the unborn child. s: ructions before use. all safety precautions have been read and understo loves/protective clothing/eye protection/face protection concerned: Get medical attention/advice. sal Phrases: for Storage and Section 13 for Disposal information. Material may be irritating to the mucous membrane	on}. es and upper respiratory tract.			
2.3	GHS Hazard Phrases: H361: Suspected of dama GHS Precaution Phrase P201: Obtain special inst P202: Do not handle until P280: Wear {protective gl GHS Response Phrases P308+313: IF exposed or GHS Storage and Dispo Please refer to Section 7	aging fertility or the unborn child. s: ructions before use. all safety precautions have been read and understo loves/protective clothing/eye protection/face protection concerned: Get medical attention/advice. sal Phrases: for Storage and Section 13 for Disposal information. Material may be irritating to the mucous membrane May be harmful by inhalation, ingestion, or skin abs	on}. es and upper respiratory tract. sorption.			
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Revision: 01/25/2016

CAS RTE		Hazardous Components (Chemical Name)/REACH Registration No.Tapentadol (hydrochloride) RM		Concentration 100.0 %	EC No./ EC Index No.	GHS Classification			
	591-09-0 Tap 50000				NA NA	Toxic Repro. 2: H361			
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			Section 4. Fi	irst Aid Meas	ures				
4.1	Descriptior Measures:	ption of First Aid							
	III Case of	innaiation.	ation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personne Get immediate medical attention.						
	In Case of	Skin Contact:	Immediately wash skin with	soap and plenty of w	vater for at least 15	5 minutes. Remove contaminat			
			clothing. Get medical attention						
	In Case of	Eye Contact:							
			and tested by medical perso	nnel.					
	In Case of	Ingestion:	Wash out mouth with water p	-	-				
			•	edical attention. Do N	NOT induce vomiti	ng unless directed to do so by			
			-	dical personnel.					
			Section 5. Fire	e Fighting Me	asures				
5.1	Suitable Ex	tinguishing	Use alcohol-resistant foam,		-	spray.			
	Media:		Use water spray to cool fire-	exposed containers					
		Extinguishing	A solid water stream may be	e inefficient.					
	Media:	D	N I 17 9111						
5.2	Flammable Properties andNo data available. Hazards:								
	11020103.		No data available.						
	Flash Pt:		No data.						
	Explosive I	_imits:	LEL: No data.	UEL: No d	lata.				
	Autoignitio		No data.						
5.3	Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or								
			equivalent), and full protectiv	ve gear to prevent c	ontact with skin an	d eyes.			
			Section 6. Accider	ntal Release	Measures				
6.1	Protective	Precautions,	Avoid raising and breathing	dust, and provide a	dequate ventilation	٦.			
	Protective	Protective Equipment and As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator							
	Emergency	Procedures:	and appropriate personal pr	rotection (rubber boo	ots, safety goggles	, and heavy rubber gloves).			
6.2	Environme	ntal	Take steps to avoid release	into the environme	nt, if safe to do so.				
	Precautions:								
5.3			r Contain spill and collect, as						
		Containment and Cleaning Transfer to a chemical waste container for disposal in accordance with local regulations.							
0.0	Up:								
0.0									

Multi-region format



7.1	Section 7. Handling and Storage 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.							
		Sectio	n 8. Exposu	Ire Controls/	Personal Protection	า	
8.1	Exposur	e Parameters:	•				
CAS	AS # Partial Chemical Name		ne	Britain EH40	France VL	Europe	
1755	175591-09-0 Tapentadol (hydrochlorid		oride) RM	No data.	No data.	No data.	
CAS	#	Partial Chemical Na	me	OSHA TWA	ACGIH TWA	Other Limits	
1755	91-09-0	Tapentadol (hydrochl	oride) RM	No data.	No data.	No data.	
8.2	Exposu	re Controls:	,	1		•	
8.2.1	Enginee	ering Controls Us	e process enclosu	res, local exhaust v	entilation, or other engineerir	ng controls to control airbo	
	(Ventila	tion etc.):	els below recomm	ended exposure lin	nits.		
8.2.2	Persona	al protection equipme	ent:				
	Eye Pro	tection: Sa	fety glasses				
	Protecti	ive Gloves: Co	mpatible chemical	-resistant gloves			
	Other P	rotective Clothing:La	b coat				
	Respiratory Equipment NIOSH approved respirator, as conditions warrant.						
	(Specify	/ Туре):					
	Work/Hygienic/Maintenan Do not take internally.						
	ce Practices: Facilities storing or utilizing this material should be equipped with an eyewash and a safety showe						
	-	tices: Fa	cilities storing or ut	tilizing this material	should be equipped with an e	eyewash and a safety sho	
	-	tices: Fa Wa	cilities storing or ut ash thoroughly afte	tilizing this material	should be equipped with an e	eyewash and a safety sho	
	-	tices: Fa Wa	cilities storing or ut	tilizing this material	should be equipped with an e	eyewash and a safety sho	
	-	tices: Fa Wa No	cilities storing or ut ash thoroughly afte data available.	tilizing this material er handling.	should be equipped with an e	eyewash and a safety sho	
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9.1	ce Prac	tices: Fa Wa No Sec ion on Basic Physica Il States:	cilities storing or ut ash thoroughly afte data available. tion 9. Phys I and Chemical Phys [] Gas [tilizing this material er handling. sical and Che	emical Properties	eyewash and a safety sho	
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	Percent	Volatile:	No data.						
	Molecula	ır Formula & Weig							
			Section 10. Stability and	Reactiv	rity				
10.1	Reactivit	y:	No data available.						
10.2	-								
10.3									
	Polymer	zation:	Will occur [] Will not occur [X]						
10.4	Conditio	ns To Avoid:	No data available.						
10.5	-	-	No data available.						
	To Avoic								
10.6	Hazardo		No data available.						
	-	osition or							
	Byprodu	cts:							
			Section 11. Toxicological						
11.1	Informat		The toxicological effects of this product ha						
		gical Effects:	Tapentadol (hydrochloride) - Toxicity Data	-	ieal IDLO (ra	t): 10 mg/kg;			
		Toxicological	Tapentadol (hydrochloride) - Investigated Only select Registry of Toxic Effects of Ch	•	topoon (DTE(C) data ia pro	contod horo		
	Effects:					Jo) uala is pre	senteu here.		
			See actual entry in RTECS for complete information. Tapentadol (hydrochloride) RTECS Number: SL1550000						
	AS # Hazardous Com		ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA		
CAS	#	nazaruous com	polients (olientical Manie)		IARC	17.000			
	# 91-09-0	Tapentadol (hydro		n.a.	n.a.	n.a.	n.a.		
			ochloride) RM	n.a.	n.a.		_		
1755	91-09-0	Tapentadol (hydro		n.a.	n.a.		_		
1755		Tapentadol (hydro	Section 12. Ecological I	n.a. nformati	n.a. ON		_		
1755 12.1	91-09-0	Tapentadol (hydro	Section 12. Ecological II Avoid release into the environment.	n.a. nformati	n.a. ON		_		
	91-09-0 Toxicity:	Tapentadol (hydro	Section 12. Ecological II Avoid release into the environment. Runoff from fire control or dilution water m	n.a. nformati	n.a. ON		_		
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1755 12.1	91-09-0 Toxicity: Persister Degrada Bioaccur Potentia Mobility Results o	Tapentadol (hydro nce and bility: mulative l: in Soil: of PBT and vPvB	Section 12. Ecological II Avoid release into the environment. Runoff from fire control or dilution water m No data available. No data available.	n.a. nformati	n.a. ON		_		
1755 12.1 12.2 12.3 12.4 12.5	91-09-0 Toxicity: Persister Degrada Bioaccur Potentia Mobility Results assessm	Tapentadol (hydro nce and bility: mulative l: in Soil: of PBT and vPvB ent:	Section 12. Ecological II Avoid release into the environment. Runoff from fire control or dilution water m No data available. No data available. No data available.	n.a. nformati	n.a. ON		_		
1755 12.1 12.2 12.3 12.4 12.5	91-09-0 Toxicity: Persister Degrada Bioaccur Potentia Mobility Results assessm	Tapentadol (hydro nce and bility: mulative l: in Soil: of PBT and vPvB	Section 12. Ecological II Avoid release into the environment. Runoff from fire control or dilution water m No data available. No data available.	n.a. nformati	n.a. ON Ilution.		_		
1755 12.1 12.2 12.3 12.4	91-09-0 Toxicity: Persister Degrada Bioaccur Potential Mobility Results assessm Other ad	Tapentadol (hydro nce and bility: mulative l: in Soil: of PBT and vPvB ent:	Section 12. Ecological II Avoid release into the environment. Runoff from fire control or dilution water m No data available. No data available. No data available. No data available. No data available. No data available. Section 13. Disposal Cor	n.a. nformati ay cause po	n.a. ON Ilution.		_		



		Section 14. Tran	sport Informa	ation				
14.1 LAND T	RANSPORT (US		•					
	r Shipping Name d Class:	-						
14.1 LAND TRANSPORT (European ADR/RID):								
ADR/RID Shipping Name: Not dangerous goods.								
UN Numbe								
Hazard Cla	ss:							
14.3 AIR TR	ANSPORT (ICAO/	IATA):						
ICAO/IATA	Shipping Name:	Not dangerous goods.						
Additional Tra	nsport	Transport in accordance with lo	cal, state, and feder	al regulations.				
Information:								
		Section 15. Regu	latory Informa	ation				
EPA SARA (Su	perfund Amendm	nents and Reauthorization Act	of 1986) Lists					
CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)			
175591-09-0	Tapentadol (hydr	ochloride) RM	No	No	No			
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or	State Lists				
175591-09-0	Tapentadol (hydr	rochloride) RM	CAA HAP,ODC: I PROP.65: No	No; CWA NPDES:	No; TSCA: No; CA			
Regulatory Info	ormation	This SDS was prepared in acco No.1272/2008.	ordance with 29 CFR	1910.1200 and Re	gulation (EC)			
		Section 16. Oth	ner Informatio	n				
Revision Date:		01/25/2016						
Additional Info	rmation About	No data available.						
This Product:								
Company Polic	y or Disclaimer:	DISCLAIMER: This information currently available to us. Howev express or implied, with respect use. Users should make their of their particular purposes.	ver, we make no war to such information	ranty of merchantal	pility or any other warranty, b liability resulting from its			