

Revision: 02/13/2018

	Section 1 Ide	ling to Regulation (EC) No. 1907/2006 as amended by (entification of the Substance/Mixture and of th					
	Section 1. Ide		le company/ondenaking				
1.1	Product Code:	24061					
	Product Name:	Cyclopropyl norfentanyl (hydrochloride)					
	Synonyms:	N-phenyl-N-4-piperidinyl-cyclopropanecarboxa fentanyl;	mide, monohydrochloride; Norcyclopropyl				
1.2	Relevant identified uses of the	he substance or mixture and uses advised aga	ainst:				
	Relevant identified uses:	For research use only, not for human or veterin	nary 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 numb						
	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				
2.1	Classification of the Substar	oce or Mixture:					
	Acute Toxicity: Inhalation,						
	Acute Toxicity: Oral, Category 4						
	Acute Toxicity: Skin, Cate						
2.2							
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2.2	Acute Toxicity: Skin, Cate Label Elements: GHS Signal Word:	gory 4					
2.2	Acute Toxicity: Skin, Cate Label Elements: GHS Signal Word: GHS Hazard Phrases:	gory 4 Warning					
2.2	Acute Toxicity: Skin, Cate Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowed.	gory 4 Warning					
2.2	Acute Toxicity: Skin, Cate Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowed. H312: Harmful in contact wit	gory 4 Warning					
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CAS # / RTECS # Hazardous Components (Chemical Name)/ REACH Registration No. Concentration EC No./ EC Index No. GHS Classification 1432-04-8 Cyclopropyl notentanyl (hydrochloride) 100.0 % NA Acute Tox.(0) 4: H302 Acute Tox.(0) 4: H312 Section 4. First Aid Measures Acute Tox.(0) 4: H312 Section 4. First Aid Measures In Case of Inhalation: In Case of Inhalation: In Case of Skin Contect: Immediate medical attention. In Case of Skin Contect: Immediate medical attention if symptoms occur. Wash clothing before reuse. 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 vonting unless directed to do so medical personnel. Section 5. Fire Fighting Measures Na data available. Fiammable Properties andNo data available. Hazards: No data available. Section 6. Accidental Release Measures Section 6. Accidental Release Measures Section 7. Containe divide, water, or dy chemical spray. Use water spray to cool fire-ex			Sect	-	· · ·				
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Containment and Cleaning Transfer to a chemical waste container for disposal in accordance with local regulations.	6.2			Take steps to avoid release	into the environmen	t, if safe to do so.			
•	6.3	Method	ds and Material Fo	r Contain spill and collect, as	appropriate.				
			nment and Cleanir	gTransfer to a chemical waste	e container for dispo	sal in accordance	e with local regulations.		
N#IAI							Multi-region form		



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		Section 7. Handling and Storage				
7.1	Precautions To Be Taken A	ecautions 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	on 8. Exposure Controls/Personal Protection				
8.1	Exposure Parameters:					
8.2	Exposure Controls:					
8.2.1	Engineering Controls	Jse process enclosures, local exhaust ventilation, or other engineering controls to control airborne				
	(Ventilation etc.):	evels below recommended exposure limits.				
8.2.2						
	Eye Protection:	Safety glasses				
	Protective Gloves:	Compatible chemical-resistant gloves				
	Other Protective Clothing:L	ab coat				
	Respiratory Equipment	IIOSH approved respirator, as conditions warrant.				
	(Specify Type):					
	Work/Hygienic/Maintenan	Do not take internally.				
	ce Practices: Facilities storing or utilizing this material should be equipped with an eyewash and a safety Wash thoroughly after handling.					
	Ν	lo data available.				
	Sec	ction 9. Physical and Chemical Properties				
9.1	Information on Basic Physic	· · ·				
	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 r	nm No data.				
	Hg):					
	Vapor Density (vs. Air = 1):	No data.				
	Specific Gravity (Water = 1)	: No data.				
	Solubility in Water:	No data.				
	Octanol/Water Partition	No data.				
	Coefficient:					

Multi-region format



	WEMPERI					
	Autoignition Pt:	No data.				
	Decomposition Tempera	ture: No data.				
	Viscosity:	No data.				
9.2	Other Information					
	Percent Volatile:	No data.				
	Molecular Formula & We	ight: C15H20N2O • HCI 280.8				
		Section 10. Stability ar	nd Reactiv	vity		
10.1	Reactivity:	No data available.				
10.2	Stability:	Unstable [] Stable [X]				
10.3	Stability Note(s):	Stable if stored in accordance with info	mation listed of	on the product	insert.	
	Polymerization:	Will occur [] Will not occur [X]				
10.4	Conditions To Avoid:	No data available.				
10.5	Incompatibility - Material	s No data available.				
	To Avoid:					
10.6	Hazardous	No data available.				
	Decomposition or					
	Byproducts:					
		Section 11. Toxicologic	al Informa	ation		
11.1	Information on	The toxicological effects of this product	have not been	thoroughly st	udied.	
	Toxicological Effects:					
CAS	# Hazardous Com	nponents (Chemical Name)	NTP	IARC	ACGIH	OSHA
		entanyl (hydrochloride)	n.a.	n.a.	n.a.	n.a.
		Section 12. Ecological				
			mornat			
12.1	Toxicity:	Avoid release into the environment.		llution		
100	Densistance and	Runoff from fire control or dilution water	may cause po			
12.2	Persistence and	No data available.				
40.0	Degradability:					
12.3	Bioaccumulative	No data available.				
	Potential:	NI 17 711				
12.4	Mobility in Soil:	No data available.				
12.5	Results of PBT and vPvB	No data available.				
	assessment:					
12.6	Other adverse effects:	No data available.				
				nne		
		Section 13. Disposal Co	onsiderati	0113		
13.1	Waste Disposal Method:	Section 13. Disposal Co Dispose in accordance with local, state				
13.1	Waste Disposal Method:					
13.1	Waste Disposal Method:					
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Multi-region format

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Section 14. Transport Information							
14.1 LAND TRANSPORT (US DOT):							
DOT Hazar	DOT Proper Shipping Name: Not dangerous goods. DOT Hazard Class: UN/NA Number:						
	RANSPORT (Euro	opean ADR/RID).					
	Shipping Name:	Not dangerous goods.					
UN Numbe		not dangerede geede.					
Hazard Cla							
14.3 AIR TR	ANSPORT (ICAO/	IATA):					
	Shipping Name:	Not dangerous goods.					
Additional Tra	nsport	Transport in accordance with lo	ocal, state, and feder	al regulations.			
Information:							
		Section 15. Regu	latory Informa	ation			
EPA SARA (Su	uperfund Amendm	nents and Reauthorization Act	of 1986) Lists				
CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)		
1432-04-8	Cyclopropyl norfe	entanyl (hydrochloride)	No	No	No		
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or	State Lists	•		
1432-04-8				CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
Regulatory Info	ormation	This SDS was prepared in acco No.1272/2008.	brdance with 29 CFR	1910.1200 and Reg	ulation (EC)		
		Section 16. Ot	her Informatic	n			
Revision Date:		02/13/2018					
Additional Info	rmation 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 wa express or implied, with respect to such information, and we assume no liability resulting fro use. Users should make their own investigations to determine the suitability of the information their particular purposes.					ity or any other warranty, iability resulting from its		