

Revision: 04/14/2018

Product Name: 3,4-Ethylenedioxy U-47700 (hydrochloride) Synonyms: N-((1R,2R)-2-(dimethylamino)cyclohexyl)-N-methyl-2,3-dihydrobenzo[b][1,4]dioxine-6-carbox de, monohydrochloride; 3,4-EDO U-47700; 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 41 (734)971-3335									
1 Product Code: 23752 Product Name: 3.4-Ethylenedioxy U-47700 (hydrochloride) Synonyms: N+([1R,2R)-2(dimethylamino)cyclohexyl)-N-methyl-2.3-dihydrobenzo[b][1.4]dioxine-6-carbox de, monohydrochloride; 3.4-ED0 U-47700; 2 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. Elsworth Rd. Ann Arbor, MI 48108 Web site address: www.caymanchem.com Information: Cayman Chemical Company +1 (734)971-3335 2 Emergency Contact: CHEMTREC Within USA and Canada: +1 (800)424-9300 CHEMTREC Outside USA and Canada: +1 2.1 Classification of the Substance or Mixture: Acute Toxicity: Inhilation, Category 4 Acute Toxicity: Inhilation, Category 4 Acute Toxicity: Collements: Warning CHS Signal Word: Warning GHS Hazard Phrases: H32: Harmful if inhaled. GHS Precaution Phrases: H32: Harmful if inhaled. GHS Precaution Phrases: P201: Avid Branding (dust/fumo/gas/mist/vapons/pray). P2		accord	ing to Regulation (EC) No. 1907/2006 as amended by ((EC) No. 1272/2008					
Product Name: 3,4-Ethylenedioxy U-47700 (hydrochloride) Synonyms: N: ((IR,2R)-2-(dimethylanino)cyclohexyl)-N-methyl-2,3-dihydrobenzo[b][1,4]dioxine-6-carbox de, monohydrochloride; 3,4-EDO U-47700; Image: Company Name: For research use only, not for human or veterinary use. Image: Company Name: Cayman Chemical Company 1100 E. Ellsworth Rd. Ann Arbor, MI 48108 Web site address: www.caymanchem.com Information: Cayman Chemical Company +1 (734)971-3335 Image: Company Name: Cayman Chemical Company +1 (734)971-3335 Image: Contact: CHEMTREC Within USA and Canada: +1 (800)424-9300 CHEMTREC Outside USA and Canada: +1 (800)424-9300 CHEMTREC Outside USA and Canada: +1 (733)527-3887 Image: Contact: CHEMTREC Vithin USA and Canada: +1 (733)527-3887 Image: Contact: CHEMTREC Outside USA and Canada: +1 (800)424-9300 CHEMTREC Outside USA and Canada: +1 (733)527-3887 Image: Contact: Section 2. Hazards Identification Image: Contact: Section 2. Hazards Identification Image: Contact: Warning GHS Mazard Phrases: House Contact with skin, Ha32: Harmul in contact with skin, H332: Harmul in kinal, H343 H332: Harmul in contact with skin, H332: Harmul in contact with skin, H332: Har		Section 1. Ide	entification of the Substance/Mixture and of th	ne Company/Undertaking					
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Acute Toxicity: Skin, Category 4 Label Elements: Image: Signal Word: Warning GHS Signal Word: Warning GHS Atzard Phrases: H302: Harmful if swallowed. H312: Harmful in contact with skin. H332: Harmful 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+312: IF SWALLOWED: P312: Call a POISON CENTER or doctor/physician if you feel unwell. P302+342: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P321: Specific treatment (see on this label). P330: Rinse mouth. P342+364: Take off contaminated clothing and wash it before reuse. GHS Storage and Disposal Phrases:		-							
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2.3		se Human Health and Symptoms:	Harmful if inhaled, swallowed, or in contact with skin. Material may be irritating to the mucous membranes and upper respiratory tract. May cause eye, skin, or respiratory system irritation. To the best of our knowledge, the toxicological properties have not been thoroughly investigated.						
		Sect	ion 3. Composition	/Information	on Ingredie	nts			
CAS RTEC		Hazardous Comp REACH Registra	oonents (Chemical Name)/ tion No.	Concentration 100.0 %	EC No./ EC Index No. NA NA	GHS Classification			
NA NA		3,4-Ethylenedioxy U	-47700 (hydrochloride)			Acute Tox.(O) 4: H302 Acute Tox.(D) 4: H312 Acute Tox.(I) 4: H332			
			Section 4. Fi	rst Aid Meas	ures				
4.1	Measu	ption of First Aid res: e of Inhalation:	Remove to fresh air. If not bre	eathing, give artificia	al respiration or di	ve oxvoen by trained personnel.			
			 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. 						
	In Case	e of Eye Contact:							
	In Case	e 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 Me	asures				
5.1 Suitable Extinguishing Use alcohol-resistant foam, carbon dioxide, water, o					er, or dry chemica	l spray.			
	Media:		Use water spray to cool fire-e	exposed containers.					
Unsuitable Extinguishing A solid water stream may be inefficient. Media:									
5.2	Flammable Properties andNo data available. Hazards:								
	nazaru	15.	No data available.						
	Flash I	Pt:	No data.						
		ive Limits:	LEL: No data. UEL: No data.						
	Autoig	nition 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. Accider	tal Release	Measures				
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 respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves). 								
6.2	Enviro Precau	nmentalTake steps to avoid release into the environment, if safe to do so.tions:							
 6.3 Methods and Material For Contain spill and collect, as appropriate. Containment and Cleaning Transfer to a chemical waste container for disposed up: 				osal in accordance	e with local regulations.				
						Multi-region forma			



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		Section 7. Handling and Storage					
7.1	Precautions To Be Taken Avoid breathing dust/fume/gas/mist/vapours/spray.						
	h Handling: Avoid prolonged or repeated exposure.						
7.2	Precautions To Be Taken	en 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	Jse 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:	_ab coat					
	Respiratory Equipment	NIOSH 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 shower					
	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):						
	Specific Gravity (Water = 1)						
Solubility in Water: No data.							
	Octanol/Water Partition No data.						
	Coefficient:						
1							



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Multi-region format

	HEMICAL								
	Autoign			No data.					
		osition Temperat	ure:	No data.					
	Viscosit	y :		No data.					
9.2	Other Inf	ormation							
	Percent	Volatile:		No data.					
	Molecula	ar Formula & Weig	ght:	C18H26N2O3 • HCI	354.9				
			S	Section 10. Stabi	ility and	Reactivit	y		
10.1	Reactivi	ty:	No da	ta available.					
10.2	Stability	:	Unsta	ble [] Stable [X]					
10.3	Stability	Note(s):	Stable	e if stored in accordance	with informa	tion listed on t	the product in	nsert.	
	Polymer	ization:	Will o	ccur [] Will not occ	ur [X]				
10.4	Conditio	ons To Avoid:	No da	ta available.					
10.5	Incompa	atibility - Materials	s No da	ta available.					
	To Avoid	d:							
10.6	Hazardo	us	No da	ta available.					
	-	osition or							
	Byprodu	icts:							
			Se	ection 11. Toxico	ological	Informati	on		
11.1	Informat	ion on	The to	oxicological effects of this	product hav	ve not been th	oroughly stu	died.	
	Toxicolo	gical Effects:							
CAS	#	Hazardous Com	ponen	ts (Chemical Name)		NTP	IARC	ACGIH	OSHA
	NA	3,4-Ethylenedioxy	y U-477	700 (hydrochloride)		n.a.	n.a.	n.a.	n.a.
				Section 12. Ecol	ogical Ir	formatio	n	-	
12.1	Toxicity			release into the environr					
	j	-	Runof	f from fire control or dilut	ion water ma	ay cause pollu	ition.		
12.2	Persiste	nce and	No da	ta available.					
	Degrada	bility:							
12.3	Bioaccu	mulative	No da	ta available.					
	Potentia	l:							
12.4	Mobility	in Soil:	No da	ta available.					
12.5	-		No data available.						
-	assessn								
12.6	Other ac	lverse effects:	No da	ta available.					
			S	ection 13. Dispo	sal Con	sideratio	ns		
13.1	Waste D	isposal Method:	Dispo	se in accordance with loo	cal, state, an	d federal regu	lations.		
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		Section 14. Tran	sport Informa	ation					
14.1 LAND T	RANSPORT (US	DOT):							
DOT Prope	er Shipping Name	Not dangerous goods.							
DOT Hazar	d Class:								
UN/NA Nur	nber:								
14.1 LAND T	RANSPORT (Euro	opean ADR/RID):							
ADR/RID S	hipping Name:	Not dangerous goods.							
UN Numbe									
Hazard Cla	SS:								
	ANSPORT (ICAO/	-							
	Shipping Name:	Not dangerous goods.							
Additional Trai	nsport	Transport in accordance with lo	cal, state, and feder	al regulations.					
Information:									
		Section 15. Regul	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)				
NA	3,4-Ethylenediox	y U-47700 (hydrochloride)	No	No	No				
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or	State Lists					
NA	3,4-Ethylenediox	y U-47700 (hydrochloride)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA						
			PROP.65: No						
Regulatory Info	ormation	This SDS was prepared in acco	ordance with 29 CFR	1910.1200 and Re	egulation (EC)				
Statement:		No.1272/2008.							
		Section 16. Oth	ner Informatio	n					
Revision Date:		04/14/2018							
Additional Info	rmation About	No data available.							
This Product:									
Company Polic	y or Disclaimer:	DISCLAIMER: This information	is believed to be ac	curate and represer	nts the best information				
		currently available to us. Howev		-					
		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.							
		their particular purposes.							

Multi-region format