

Revision: 07/28/2018

		according	to Regulation (EC) No. 1907/2006 as a	mended by (EC) No. 2015/83	30 and US OSHA HCS	2015			
1		Section 1. Id	entification of the Substan	ce/Mixture and of the	he Company/Ur	ndertaking			
1.1	Product	Product Code:25463Product Name:Memantine-d6 (hydrochloride)Synonyms:3,5-di(methyl-d3)-tricyclo[3.3.1.13,7]decan-1-amine, monohydrochloride;							
1.2	Relevan	t identified uses of	the substance or mixture a	nd uses advised ag	ainst:				
		ant identified uses:	For research use only, no	-					
1.3	Details of the Supplier of the Safety Data Sheet:								
	Comp	any Name:	Cayman Chemical Comp 1180 E. Ellsworth Rd. Ann Arbor, MI 48108	any					
	Web s	ite address:	www.caymanchem.com						
	Inform	nation:	Cayman Chemical Comp	any	+1 (734	4)971-3335			
1.4	Emerge	ncy telephone numb	ber:						
	Emerg	ency Contact:	CHEMTREC Within USA CHEMTREC Outside US		-	0)424-9300 3)527-3887			
			Section 2. Haz	zards Identific	ation				
2.1	Classifi	cation of the Substa	nce or Mixture:						
	Acute	Toxicity: Oral, Cate	gory 4						
2.2	Label E	lements:							
	GHS Signal Word: Warning GHS Hazard Phrases: H302: Harmful if swallowed.								
	GHS Precaution Phrases:								
	P264: Wash {hands} thoroughly after handling.								
	GHS Response Phrases: P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.								
	P301+312. IF SWALLOWED, Call a POISON CENTER of doctor/physician if you reel driwell. P330: Rinse mouth.								
	GHS Storage and Disposal Phrases:								
2.3	Please Advers	Please refer to Section 7 for Storage and Section 13 for Disposal information. Adverse Human Health Harmful if swallowed. Effects and Symptoms: Material may be irritating to the mucous membranes and upper respiratory tract. May be harmful by inhalation or skin absorption. May cause eye, skin, or respiratory system irritation. To the best of our knowledge, the toxicological properties have not been thoroughly investigated.							
		Sectio	on 3. Composition	/Information c	on Inaredier	nts			
CAS RTE	;#/ CS#	1	nents (Chemical Name)/	Concentration	EC No./ EC Index No.	GHS Classification			
	713-18-5	Memantine-d6 (hydroc		100.0 %	NA NA	Acute Tox.(O) 4: H302			
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		Section 4. First Aid Measures						
4.1	.1 Description of First Aid							
	Measures:							
	In Case of Inhalation:	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.						
	In Case of Skin Contact:	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 of Eye Contact:							
	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 vomiting unless directed to do so by medical personnel.						
		Section 5. Fire Fighting Measures						
5.1	Suitable Extinguishing	Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.						
	Media:	Use water spray to cool fire-exposed containers.						
	Unsuitable Extinguishing Media:	A solid water stream may be inefficient.						
5.2	Flammable Properties andNo data available. Hazards:							
		No data available.						
	Flash Pt:	No data.						
	Explosive Limits:	LEL: No data. UEL: No data.						
	Autoignition Pt:	No data.						
5.3	Fire Fighting Instructions	s: 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. Accidental Release Measures						
6.1		Avoid breathing vapors and provide adequate ventilation. d 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	Emergency Procedures: Environmental	Take steps to avoid release into the environment, if safe to do so.						
6.3	Precautions:	r Contain shill and collect, as appropriate						
0.5	Methods and Material For Contain spill and collect, as appropriate. Containment and Cleaning Transfer to a chemical waste container for disposal in accordance with local regulations.							
	Up:							
		Section 7. Handling and Storage						
7.1	Precautions To Be Taker	Avoid breathing dust/fume/gas/mist/vapours/spray.						
	in Handling:	Avoid prolonged or repeated exposure.						
7.2	Precautions To Be Taker	Keep container tightly closed.						
	in Storing:	Store in accordance with information listed on the product insert.						
	Sec	tion 8. Exposure Controls/Personal Protection						
8.1	Exposure Parameters:							

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	HEMICAL							
8.2	Exposure Controls:							
8.2.1	Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne						
	(Ventilation etc.): levels below recommended exposure limits.							
8.2.2	Personal protection equipment:							
	Eye Protection:	Safety glasses						
	Protective Gloves:	Compatible chemical-resistant gloves						
	Other Protective Clothing:	:Lab coat						
	Respiratory Equipment	H 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.						
		n thoroughly after handling.						
		ata available.						
	Se	ection 9. Physical and Chemical Properties						
9.1	Information on Basic Phys	ical and Chemical Properties						
	Physical States:	[]Gas []Liquid [X]Solid						
	Appearance and Odor:	A 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)	: No data.						
	Specific Gravity (Water = 2	1): No data.						
	Solubility in Water:	No data.						
	Solubility Notes:	Soluble in: DMSO; MeOH;						
	Octanol/Water Partition	No data.						
	Coefficient:							
	Autoignition Pt:	No data.						
	Decomposition Temperatu	ure: No data.						
	Viscosity:	No data.						
9.2	Other Information							
	Percent Volatile:	No data.						
	Molecular Formula & Weig	ght: C12H15D6N • HCI 221.8						

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			Secti	on 10. Stability and	Reactiv	ity			
10.1	Reactivit	y:	No data available.						
10.2	Stability	:	Unstable [] Stable [X]						
10.3	-		Stable if stored in accordance with information listed on the product insert.						
	Polymerization:		Will occur [] Will not occur [X]						
10.4	Conditio	ns To Avoid:	No data avai	ilable.					
10.5	Incompa	tibility - Materials	strong oxidiz	ing agents					
	To Avoid	l:							
10.6	Hazardo	us	carbon dioxide						
	Decomp	osition or	carbon monoxide						
	Byprodu	cts:	nitrogen oxic	les					
			phosgene						
			Sectio	n 11. Toxicological	Informa	tion			
11.1	Informat	ion on	The toxicolog	gical effects of this product ha	ve not been	thoroughly stu	ıdied.		
	Toxicolo	gical Effects:							
Carci	nogenicity	:	NTP? No	IARC Monographs? No	OSHA Reg	gulated? No			
CAS	#	Hazardous Com	ponents (Ch	emical Name)	NTP	IARC	ACGIH	OSHA	
11897	713-18-5	Memantine-d6 (h	ydrochloride)		n.a.	n.a.	n.a.	n.a.	
			Secti	on 12. Ecological Ir	formatio	 ⊃n	ł		
12.1	Toxicity:			e into the environment.					
12.1	TOXICITY.		Runoff from fire control or dilution water may cause pollution.						
12.2	Persiste	nce and	No data available.						
12.2 Persistence and No data available. Degradability: Degradability:									
12.3	Bioaccu	-	No data available.						
	Potentia	l:							
12.4	Mobility	in Soil:	No data available.						
12.5	-								
	2.5 Results of PBT and vPvB No data available. assessment:								
12.6		verse effects:	No data available.						
				n 13. Disposal Con					
13.1	Waste D	isposal Method:	Dispose in a	ccordance with local, state, ar	nd federal reg	gulations.			
	Section 14. Transport Information								
14.1	LAND T	RANSPORT (US I	DOT):						
D	DOT Proper Shipping Name: Not dangerous goods.								
D	DOT Hazard Class:								
U U	N/NA Num	nber:							
14.1	LAND T	RANSPORT (Euro	opean ADR/R	RID):					
A	DR/RID SI	nipping Name:	Not dan	gerous goods.					
U U	N Number	:							
н	azard Clas	SS:							



14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name:

Not dangerous goods. Transport in accordance with local, state, and federal regulations.

Additional Transport Information:

Section 15. Regulatory Information

CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
1189713-18-5	5 Memantine-d6 (hydrochloride)		No	No	No	
CAS # Hazardous Com		nponents (Chemical Name) Other US EPA or State Lists		•		
1189713-18-5	Memantine-d6 (h	ydrochloride)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
Regulatory Info Statement:	ormation	This SDS was prepared in acco No.1272/2008.	ordance with 29 CFR	1910.1200 and R	egulation (EC)	
		Section 16. Oth	ner Informatio	on		
Revision Date:		07/28/2018				
Additional Information About This Product:		No data available.				
Company Polic	y 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.				