

SAFETY DATA SHEET Fluoxetine (hydrochloride)

	Revision:	05/17/2015
Supersedes	Revision:	01/23/2014

	acc	ording to Regulation (EC) No. 1907/2006 as amended by (I	EC) No. 1272/2008					
		dentification of the Substance/Mixture and of the						
.1		Product Code: 14418						
	Product Name:	Fluoxetine (hydrochloride)						
	Synonyms:	N-methylgamma[4-(trifluoromethyl)phenoxy]-	benzenepropanamine, monohydrochloride					
		LY110140; Fontex®; Prozac®; Sarafem®;						
1.2 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.							
1.3	Details of the Supplier of t	he 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 nun		. /					
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300					
	0,	CHEMTREC Outside USA and Canada:	+1 (703)527-3887					
		Section 2. Hazards Identifica	ation					
2.1	Classification of the Subs							
2.1.1		o Regulation (EC) No 1272/2008 [CLP]:						
	Acute Toxicity: Inhalation, Category 4							
	Acute Toxicity: Oral, Category 4							
	-	Acute Toxicity: Skin, Category 4						
	Serious Eye Damage/Eye Irritation, Category 1 Toxic To Reproduction, Category 2							
	Aquatic Toxicity (Acute)							
2.2	Label Elements:	,						
2.2.1	Labeling according to Re	gulation (EC) No 1272/2008 [CLP]:						
	GHS Signal Word:	Danger						
	GHS Hazard Phrases:	Danger						
	H302: Harmful if swallowe	d.						
	H302: Harmful it swallowed. H312: Harmful in contact with skin.							
	H318: Causes serious eye damage.							
	H332: Harmful if inhaled.							
	H361: Suspected of damaging fertility or the unborn child.							
	H400: Very toxic to aquati	c life.						



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GHS Precaution Phrase	s:		
P201: Obtain special inst	ructions before use.		
P202: Do not handle until	all safety precautions have been read and	understood.	
P261: Avoid breathing {de	ust/fume/gas/mist/vapors/spray}.		
P264: Wash {hands} thor	oughly after handling.		
P273: Avoid release to th	e environment.		
P280: Wear {protective g	oves/protective clothing/eye protection/face	protection}.	
GHS Response Phrases	:		
P301+312: IF SWALLOW	ED: Call a POISON CENTER or doctor/phy	sician if you feel unwe	ell.
P302+352: IF ON SKIN:	Nash with plenty of soap and water.		
P304+340: IF INHALED:	Remove victim to fresh air and keep at rest	in a position comfortal	ble for breathing.
P305+351+338: IF IN EY	ES: Rinse cautiously with water for several	minutes. Remove con	tact lenses, if present and easy
to do. Continue rinsing.			
P308+313: IF exposed or	concerned: Get medical attention/advice.		
P310: Immediately call a	POISON CENTER or doctor/physician.		
P330: Rinse mouth.			
P362+364: Take off conta	aminated clothing and wash it before reuse.		
P391: Collect spillage.			
GHS Storage and Dispo	sal Phrases:		
Please refer to Section 7	for Storage and Section 13 for Disposal info	rmation.	
Adverse Human Health	Causes serious eye damage.		
Effects and Symptoms:	Harmful if inhaled.		
	Harmful if swallowed.		
	Harmful in contact with skin.		
	Material may be irritating to the mucous m	embranes and upper	respiratory tract.
	May cause eye, skin, or respiratory system	n irritation.	
	Suspected of damaging fertility or the unbo	orn child.	
	Very toxic to aquatic life.		
	To the best of our knowledge, the toxicolog	gical properties have r	not been thoroughly investigated.
Sect	ion 3. Composition/Information	tion on Ingredi	ents
S # / Hazardous Comr	oonents (Chemical Name)/ Concentrati	on EC No /	GHS Classification

CAS # / RTECS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification		
56296-78-7 UI4050000	Fluoxetine (hydrochloride)	100.0 %	260-101-2 NA	Acute Tox.(O) 4: H302 Acute Tox.(D) 4: H312 Eye Damage 1: H318 Toxic Repro. 2: H361 Acute Tox.(I) 4: H332 Aquatic (A) 1: H400		



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			Section	4. First Aid Me	easures	
4.1	Descrip	otion of First Aid				
	Measur	es:				
	In Case	of Inhalation:	Remove to fresh air. Get immediate media		rtificial respiration or give oxyc	en by trained personnel.
	In Case	of Skin Contact:	-		of water for at least 15 minut	
	In Case	of Eye Contact:	-	nd flush eyes with plent	y of water for at least 15 minu	
	In Case	of Ingestion:	Wash out mouth with	water provided perso	n is conscious. Never give any Do NOT induce vomiting unle	• •
			Section 5.	Fire Fighting	Measures	
5.1	Suitable	e Extinguishing			, water, or dry chemical spray.	
0.1	Media:			cool fire-exposed conta		
		able Extinguishing	A solid water stream	-		
	Media:					
5.2	Flamma	able Properties an	d No data available.			
	Hazard	s:				
	Flash P	't:	No data.			
	Explosi	ive Limits:	LEL: No data.	UEL:	No data.	
	Autoigr	nition Pt:	No data.			
5.3	Fire Fig	hting Instructions	As in any fire, wear	self-contained breathin	g apparatus pressure-demand	(NIOSH approved or
			equivalent), and full	protective gear to prev	ent contact with skin and eyes	
			Section 6. Ac	cidental Relea	se Measures	
6.1	Protect	ive Precautions,	Avoid raising and br	reathing dust, and prov	ide adequate ventilation.	
	Protect	ive Equipment and	d As conditions warra	nt, wear a NIOSH appi	roved self-contained breathing	apparatus, or respirator,
	Emerge	ency Procedures:	and appropriate per	sonal protection (rubbe	er boots, safety goggles, and h	eavy rubber gloves).
6.2	Enviror	nmental	Take steps to avoid	release into the enviro	nment, if safe to do so.	
	Precaut	tions:				
6.3			r Contain spill and co			
	Contair Up:	nment and Cleanin	gTransfer to a chemi	cal waste container for	disposal in accordance with lo	cal regulations.
			Section 7	. Handling and	d Storage	
7.1			•	t/fume/gas/mist/vapour	s/spray.	
-	in Hand		Avoid prolonged or r			
7.2			Keep container tight	-	on the product incort	
	in Stori	ng:	Store in accordance	with information listed	on the product insert.	
		Sec	tion 8. Exposi	ure Controls/Pe	ersonal Protection	
8.1		re Parameters:		1		
CAS	#	Partial Chemical	Name	Britain EH40	France VL	Europe
5629	96-78-7	Fluoxetine (hydro	chloride)	No data.	No data.	No data.
						Multi-region format



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(Ventilation etc.): levels below recommended exposure limits. 2.2 Personal protection equipment: Eye Protective Clothing:Lab coat Respiratory Equipment No deta NOSH approved respirator, as conditions warrant. (Specify Type): Work/Hygienic/Maintean Do not take internally. cc Practices: Facilities storing or utilizing this material should be equipped with an eyewash and a safety show Wash thoroughly after handling. No data available. No data available. Section 9. Physical and Chemical Properties Physical States: [] Gas Physical States: [] Gas Boiling Point: No data. Boiling Point: No data. Explosive Limits: LEL: No data. Explosive Limits: LEL: No data. Lability (solid, gas): No data. Specific Gravity (Water =1): No data. Specific Gravity (Water =1): No data. Specific Origity (Vater =1): No data. Specific Gravity (Water =1): No data.	CAS	# P	artial Chemical	Name	OSHA T	WA	ACGIH TWA	Other Limits	
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.2 Other Information Percent Volatile: No data. Molecular Formula & Weight: C17H18F3NO • HCI 345.8 Section 10. Stability and Reactivity 0.1 Reactivity: No data available. 0.2 Stability: Unstable [] Stable [X] 0.3 Stability Note(s): Stable if stored in accordance with information listed on the product insert. Polymerization: Will occur [] Will not occur [X] 0.4 Conditions To Avoid: No data available. 0.5 Incompatibility - Materials No data available. To Avoid: No data available. 0.6 Hazardous No data available. Decomposition or Viol data available.		Solubility	Notes:	~0.2 mg/ml in	PBS (pH 7	7.2); ~12.5 mg/n	nl in EtOH & DMSO; ~16	∂ mg/ml in DMF;	
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0.6 Hazardous No data available. Decomposition or Image: Composition of the second secon	10.5	Incompati	bility - Materials	No data available.					
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	10.6	Hazardou	s	No data available.					
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SAFETY DATA SHEET Fluoxetine (hydrochloride)

Revision: 05/17/2015 Supersedes Revision: 01/23/2014

	Byproduc	sts:						
			Section 1 ⁻	1. Toxicological	Informa	ation		
11.1	Information on The toxicological effects of this product have not been thoroughly studied. Toxicological Effects: Fluoxetine (hydrochloride) - Toxicity Data: Oral TDLO (human): 7770 μg/kg; Oral TDLO (woman) 5600 μg/kg/2W (intermittent); Oral LD50 (rat): 452 mg/kg; Oral LD50 (mouse): 248 mg/kg; Oral TDLO (mouse): 60.7 mg/kg; Subcutaneous TDLO (mouse): 1 mg/kg;							
	Chronic 1	oxicological	Fluoxetine (hydrod	chloride) - Investigated	as a mutage	n and reprodu	ctive effector.	
	Effects:			try of Toxic Effects of Cl		stances (RTEC	CS) data is pre	sented here.
			•	n RTECS for complete i chloride) RTECS Numb		00		
CAS	#	Hazardous Com	ponents (Chemica	al Name)	NTP	IARC	ACGIH	OSHA
5629	96-78-7	Fluoxetine (hydro	chloride)	-	n.a.	n.a.	n.a.	n.a.
			Section	12. Ecological I	nformat	ion		-
12.1	Toxicity:		Avoid release into	•				
			Runoff from fire co	ontrol or dilution water n	ay cause p	ollution.		
12.2	Persisten		No data available.					
	Degradab	-	N I 17 111					
12.3	Bioaccun Potential:		No data available.					
12.4	Mobility i		No data available.					
12.5			No data available					
	assessme	ent:						
12.6	Other adv	verse effects:	No data available					
			Section 1	3. Disposal Cor	nsiderat	ions		
13.1	Waste Dis	sposal Method:	Dispose in accord	ance with local, state, a	nd federal re	egulations.		
			Section	14. Transport I	nformat	ion		
14.1	LAND TR	ANSPORT (US I	DOT):					
D	OT Proper	Shipping Name:	Environmenta	ally hazardous substanc	e, solid, n.o.	s.(Fluoxetine h	ydrochloride)	
	OT Hazard		9	CLASS 9				
U	N/NA Num	ber:	3077	Pa	cking Grou	ip:	111	
14.1	LAND TR	ANSPORT (Euro	opean ADR/RID):					
		ipping Name:		ally hazardous substanc		-		
_	N Number:		3077	Pa	cking Grou	ıp:	III	
	azard Clas	5:	9 - CLASS 9					



Information:

SAFETY DATA SHEET Fluoxetine (hydrochloride)

Revision: 05/17/2015 Supersedes Revision: 01/23/2014

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name:

Additional Transport Transport in accordance with local, state, and federal regulations.

When sold in quantities of less than or equal to 1 mL, or 1 g, with an Excepted Quantity Code of

E1, E2, E4, or E5, this item meets the De Minimis Quantities exemption, per IATA 2.6.10.

Environmentally hazardous substance, solid, n.o.s.(Fluoxetine hydrochloride)

Therefore packaging does not have to be labeled as Dangerous Goods/Excepted Quantity.

Section 15. Regulatory Information

CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
56296-78-7	Fluoxetine (hydro	ochloride)	No	No	No	
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA o	r State Lists	•	
56296-78-7	Fluoxetine (hydro	ochloride)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
Regulatory Inf Statement:	ormation	This SDS was prepared in acc No.1272/2008.	ordance with 29 CFF	R 1910.1200 and R	egulation (EC)	
		Section 16. Ot	her Information	on		
Revision Date	:	05/17/2015				
Additional Info	ormation About	No data available.				
Company Poli	cy or Disclaimer:	DISCLAIMER: This information currently available to us. Howe express or implied, with respec- use. Users should make their their particular purposes.	ver, we make no wa t to such informatior	rranty of merchanta n, and we assume r	ability or any other warrant no liability resulting from its	