

Revision: 01/18/2019

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	Section 1. Ide	entification of the Substance/Mixture and of the	e Company/Undertaking				
	Product Code:	25646					
	Product Name:	Almotriptan (malate)					
	Synonyms:	2-hydroxy-butanedioic acid, compd. with					
	cynenymer		H-indole-3-ethanamine: Almotrip forte: LAS				
	N,N-dimethyl-5-[(1-pyrrolidinylsulfonyl)methyl]-1H-indole-3-ethanamine; Almotrip forte; L 31416 D,L-malate acid; PNU 180638E;						
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.						
;	Details of the Supplier of the	Safety Data Sheet:					
	Company Name:	Cayman Chemical Company					
		1180 E. Ellsworth Rd.					
	Web site address:	Ann Arbor, MI 48108					
		www.caymanchem.com	1 (734)071 2225				
	Information:	Cayman Chemical Company	+1 (734)971-3335				
4	Emergency telephone numb		.4 (000) 404 0000				
	Emergency Contact:	CHEMTREC Within USA and Canada: CHEMTREC Outside USA and Canada:	+1 (800)424-9300				
		CHEMTREC Outside USA and Canada:	+1 (703)527-3887				
		Section 2. Hazards Identifica					
.2	Acute Toxicity: Inhalation, Acute Toxicity: Skin, Cate Label Elements:						
2	Acute Toxicity: Skin, Cate	Category 4					
2	Acute Toxicity: Skin, Cate Label Elements:	Category 4 gory 4					
2	Acute Toxicity: Skin, Cate	Category 4					
2	Acute Toxicity: Skin, Cate Label Elements: GHS Signal Word:	Category 4 gory 4 Warning					
2	Acute Toxicity: Skin, Cate Label Elements: GHS Signal Word: GHS Hazard Phrases:	Category 4 gory 4 Warning					
2	Acute Toxicity: Skin, Cate Label Elements: GHS Signal Word: GHS Hazard Phrases: H312: Harmful in contact wit	Category 4 gory 4 Warning					
2	Acute Toxicity: Skin, Cate Label Elements: GHS Signal Word: GHS Hazard Phrases: H312: Harmful in contact wit H332: Harmful if inhaled. GHS Precaution Phrases:	Category 4 gory 4 Warning					
2	Acute Toxicity: Skin, Cate Label Elements: GHS Signal Word: GHS Hazard Phrases: H312: Harmful in contact wit H332: Harmful if inhaled. GHS Precaution Phrases: P261: Avoid breathing {dust	Category 4 gory 4 Warning h skin.	n}.				
2	Acute Toxicity: Skin, Cate Label Elements: GHS Signal Word: GHS Hazard Phrases: H312: Harmful in contact wit H332: Harmful if inhaled. GHS Precaution Phrases: P261: Avoid breathing {dust	Category 4 gory 4 Warning h skin. /fume/gas/mist/vapors/spray}.	n}.				
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2.3	Adverse Human Health Effects and Symptoms:		Harmful if inhaled or in contact with skin. Material may be irritating to the mucous membranes and upper respiratory tract. May be harmful by ingestion. May cause eye, skin, or respiratory system irritation. To the best of our knowledge, the toxicological properties have not been thoroughly investigated.					
		Sec	tion 3. Composition	/Information	on Ingredie	nts		
CAS RTE(Hazardous Com REACH Registra	oonents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	GHS Classification		
1811 NA	83-52-8	Almotriptan Malate		100.0 %	815-382-1 NA	Acute Tox.(I) 4: H332 Acute Tox.(D) 4: H312		
			Section 4. Fi	rst Aid Meas	ures			
4.1	Measu	ption of First Aid res: e of Inhalation:	Remove to fresh air. If not bro	eathing, give artificia	al respiration or giv	ve oxygen by trained personnel.		
	In Case	e of Skin Contact:	Get immediate medical attent Immediately wash skin with s	tion. oap and plenty of w	vater for at least 15	5 minutes. Remove contaminate		
		e of Eye Contact:	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 Ingestion:	Wash out mouth with water p unconscious person. Get me medical personnel.	-	-	ive anything by mouth to an ng unless directed to do so by		
			Section 5. Fire	Fighting Me	asures			
5.1	Media: Unsuita	able Extinguishing	Use alcohol-resistant foam, o Use water spray to cool fire-o A solid water stream may be	exposed containers	•	spray.		
5.2	Media: Flamm Hazard	able Properties an	d No data available.					
	-	ive Limits:	No data available. No data. LEL: No data.	UEL: No d	lata.			
5.3	-	nition Pt: ghting Instructions	No data. 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. Accider	tal Release	Measures			
6.1	Protect	tive Precautions, tive Equipment an ency Procedures:	Avoid breathing vapors and d As conditions warrant, wear and appropriate personal pro	a NIOSH approved	I self-contained bre	eathing apparatus, or respirator , and heavy rubber gloves).		
6.2 6.3	Precau		Take steps to avoid release r Contain spill and collect, as		nt, if safe to do so.			
			ng Transfer to a chemical waste		osal in accordance	e with local regulations.		
						Multi-region form		



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		Section 7. Handling and Storage					
7.1	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.					
	Section	on 8. Exposure Controls/Personal Protection					
5.1	Exposure Parameters:						
3.2	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.					
.2.2	Personal protection equipr	ment:					
	Eye Protection:	Safety glasses					
	Protective Gloves:	Compatible chemical-resistant gloves					
	Other Protective Clothing:	Lab 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 showe					
	I	Wash thoroughly after handling.					
	1	No data available.					
	Se	ction 9. Physical and Chemical Properties					
0.1		ction 9. Physical and Chemical Properties cal and Chemical Properties					
.1							
.1	Information on Basic Physic	cal and Chemical Properties					
.1	Information on Basic Physic Physical States:	cal and Chemical Properties []Gas []Liquid [X]Solid					
.1	Information on Basic Physic Physical States: Appearance and Odor:	cal and Chemical Properties [] Gas [] Liquid [X] Solid A crystalline solid					
.1	Information on Basic Physic Physical States: Appearance and Odor: pH:	cal and Chemical Properties []Gas []Liquid [X]Solid A crystalline solid No data.					
.1	Information on Basic Physic Physical States: Appearance and Odor: pH: Melting Point:	cal and Chemical Properties []Gas []Liquid [X]Solid A crystalline solid No data. No data. No data.					
.1	Information on Basic Physic Physical States: Appearance and Odor: pH: Melting Point: Boiling Point:	cal and Chemical Properties []Gas []Liquid [X]Solid A crystalline solid No data. No data. No data. No data. No data.					
.1	Information on Basic Physic Physical States: Appearance and Odor: pH: Melting Point: Boiling Point: Flash Pt:	cal and Chemical Properties [] Gas [] Liquid [X] Solid A crystalline solid No data.					
0.1	Information on Basic Physic Physical States: Appearance and Odor: pH: Melting Point: Boiling Point: Flash Pt: Evaporation Rate:	cal and Chemical Properties []Gas []Liquid [X]Solid A crystalline solid No data. No data. No data.					
.1	Information on Basic Physic Physical States: Appearance and Odor: pH: Melting Point: Boiling Point: Flash Pt: Evaporation Rate: Flammability (solid, gas):	cal and Chemical Properties []Gas []Liquid [X]Solid A crystalline solid No data. No data. No data. No data. No data. No data. No data. No data. UEL: No data.					
.1	Information on Basic Physic Physical States: Appearance and Odor: pH: Melting Point: Boiling Point: Flash Pt: Evaporation Rate: Flammability (solid, gas): Explosive Limits:	cal and Chemical Properties []Gas []Liquid [X]Solid A crystalline solid No data. No data. No data. No data. No data. No data. No data. No data. UEL: No data.					
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.1	Information on Basic Physic Physical States: Appearance and Odor: pH: Melting Point: Boiling Point: Flash Pt: Evaporation Rate: Flammability (solid, gas): Explosive Limits: Vapor Pressure (vs. Air or Hg):	cal and Chemical Properties []Gas []Liquid [X]Solid A crystalline solid No data. No data. No data. No data. No data. No data. No data. No data. UEL: No data. mm No data. No data. UEL: No data.					
.1	Information on Basic Physic Physical States: Appearance and Odor: pH: Melting Point: Boiling Point: Flash Pt: Evaporation Rate: Flammability (solid, gas): Explosive Limits: Vapor Pressure (vs. Air or 1 Hg): Vapor Density (vs. Air = 1):	cal and Chemical Properties []Gas []Liquid [X]Solid A crystalline solid No data. No data. No data. No data. No data. No data. No data. No data. UEL: No data. mm No data. No data. UEL: No data.					
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9.1	Information on Basic Physical Physical States: Appearance and Odor: pH: Melting Point: Boiling Point: Flash Pt: Evaporation Rate: Flammability (solid, gas): Explosive Limits: Vapor Pressure (vs. Air or F Hg): Vapor Density (vs. Air = 1): Specific Gravity (Water = 1) Solubility in Water: Solubility Notes:	cal and Chemical Properties []Gas []Liquid [X]Solid A crystalline solid No data. No data. UEL: No data. Mo data. UEL: No data. mm No data. No data. . No data. . You data. . No data. . No data. . No data. . You my/ml i					

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	Autoignition Pt:	No d					
	Decomposition Temperat	ture: No d	data.				
	Viscosity:	No d	data.				
9.2	Other Information						
	Percent Volatile:	No d	data.				
	Molecular Formula & Wei	ght: C17H	H25N3O2S • C4H6O5	469.6			
		Secti	ion 10. Stability an	d Reactiv	rity		
10.1	Reactivity:	No data ava	ailable.				
10.2	Stability:	Unstable [] Stable [X]				
10.3	Stability Note(s):	Stable if stor	ored in accordance with infor	mation listed o	n the product	insert.	
	Polymerization:	Will occur [] Will not occur [X]				
10.4	Conditions To Avoid:	No data ava	ailable.				
10.5	Incompatibility - Materials	s strong oxidiz	zing agents				
	To Avoid:						
10.6	Hazardous	carbon dioxi	ide				
	Decomposition or	carbon mono	noxide				
	Byproducts:	nitrogen oxic	ides				
		sulfur oxides	S				
		Sectio	on 11. Toxicologica	al Informa	tion		
11.1	Information on	The toxicolo	ogical effects of this product	have not been	thoroughly st	udied.	
	Toxicological Effects:						
Carci	nogenicity:	NTP? No	IARC Monographs? No	OSHA Re	gulated? No		
CAS	# Hazardous Com	ponents (Ch	nemical Name)	NTP	IARC	ACGIH	OSHA
1811	183-52-8 Almotriptan Mala		-	n.a.	n.a.	n.a.	n.a.
		Secti	ion 12. Ecological	Informati	on	I	
12.1	Toxicity:		se into the environment.				
		Runoff from	fire control or dilution water	may cause po	llution.		
12.2	Persistence and	No data ava	ailable.				
	Degradability:						
12.3	Bioaccumulative	No data ava	ailable.				
	Potential:						
12.4	Mobility in Soil:	No data ava	ailable.				
12.5	Results of PBT and vPvB						
	assessment:						
12.6	Other adverse effects:	No data ava	ailable				
1							



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		Section 13. Dispo	sal Considera	ations		
13.1 Waste D	Disposal Method:	Dispose in accordance with loc	al, state, and federa	I regulations.		
		Section 14. Trar	nsport Informa	ation		
14.1 LAND T	RANSPORT (US	DOT):				
DOT Prope	er Shipping Name	: Not dangerous goods.				
DOT Hazar						
UN/NA Nur						
	RANSPORT (Eur					
ADR/RID S UN Numbe	hipping Name:	Not dangerous goods.				
Hazard Cla						
	ANSPORT (ICAO/	IATA):				
	Shipping Name:	Not dangerous goods.				
Additional Trai	nsport	Transport in accordance with I	ocal, state, and fede	ral regulations.		
Information:						
		Section 15. Regu	latory Inform	ation		
EPA SARA (Su	perfund Amendn	nents and Reauthorization Act	of 1986) Lists			
CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
181183-52-8	Almotriptan Mala	te	No	No	No	
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA o	r State Lists	ł	
181183-52-8	Almotriptan Mala	te	CAA HAP,ODC: PROP.65: No	No; CWA NPDES	No; TSCA: No; CA	
Regulatory Info 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:		01/18/2019				
Additional Info	rmation About	No data available.				
This Product:						
Company Polic	y or Disclaimer:	DISCLAIMER: This information		-		
		currently available to us. Howe		-		
		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 fo				
		their particular purposes.	-			

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