

Revision: 04/13/2015

		Section 1	Identification of the Substar) P (.CHIIIDAHW/FI		
	D					ndentaking	
1.1	Product Product		17563 Minoxidil-d10				
				-nyrimidinediamine	3-oxide: Loniten-d	10.11-10858-410.	
	Synonyms: 6-(1-piperidinyl-d10)-2,4-pyrimidinediamine 3-oxide; Loniten-d10; U-10858-d10;						
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 o	of the Supplier of t	he Safety Data Sheet:				
	Compa	iny Name:	Cayman Chemical Com 1180 E. Ellsworth Rd. Ann Arbor, MI 48108	pany			
	Web si	te address:	www.caymanchem.com				
	Informa	ation:	Cayman Chemical Com	pany	+1 (73	4)971-3335	
1.4	Emerger	ncy telephone nun	nber:				
	Emerge	ency Contact:	CHEMTREC Within USA	A and Canada:	+1 (80	00)424-9300	
			CHEMTREC Outside US	SA and Canada:	+1 (70	3)527-3887	
			Section 2. Ha	zards Identif	ication		
2.1	Classific	ation of the Subs	tance or Mixture:				
2.1 2.1.1		ation of the Subst		2008 [CLP1:			
2.1.1		cation according t	tance or Mixture: to Regulation (EC) No 1272/	2008 [CLP]:			
	Classific Label Ele	cation according t ements:	o Regulation (EC) No 1272/				
2.1.1 2.2	Classific Label Ele Labeling	cation according t ements: g according to Re	co Regulation (EC) No 1272/ gulation (EC) No 1272/2008				
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2.1.1 2.2	Classific Label Ele Labeling GHS Si GHS H	cation according t ements: g according to Re ignal Word: lazard Phrases:	o Regulation (EC) No 1272/ gulation (EC) No 1272/2008 None	[CLP]:	s not classifiable ad	cording to GHS.	
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Multi-region format



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			Section 4	4. First Aid Measure	es	
4.1	Descrip	tion of First Aid	No data available.			
	Measure	es:				
	In Case	of Inhalation:	Remove to fresh air. If Get immediate medica	f not breathing, give artificial re al attention.	spiration or give oxygen by	trained personnel.
	In Case	of Skin Contact:	-	n with soap and plenty of wate attention if symptoms occur. W		move contaminated
	In Case	of Eye Contact:	Hold eyelids apart and and tested by medical	d flush eyes with plenty of wate personnel.	er for at least 15 minutes. Ha	ive eyes examined
	In Case	of Ingestion:		water provided person is consi Get medical attention. Do NOT		
			Section 5.	Fire Fighting Meas	ures	
5.1	Suitable	Extinguishing	Use alcohol-resistant	foam, carbon dioxide, water, c	or dry chemical spray.	
	Media:	0 0		ool fire-exposed containers.		
	Unsuita	ble Extinguishing	A solid water stream	mav be inefficient.		
	Media:	gg		.,		
5.2	Flamma	ble Properties an	d No data available.			
	Hazards	-				
	Flash P	t:	No data.			
	Explosi	ve Limits:	LEL: No data.	UEL: No data.		
	-	ition Pt:	No data.			
5.3	-			elf-contained breathing appara	tus pressure-demand (NIOS	H approved or
0.0	The rig		-	rotective gear to prevent conta		
			Section 6. Acc	cidental Release Me	easures	
6.1	Protecti	ve Precautions,	Avoid raising and bre	athing dust, and provide adeq	uate ventilation.	
	Protecti	ve Equipment and	d As conditions warran	t, wear a NIOSH approved sel	f-contained breathing appara	atus, or respirator,
	Emerge	ncy Procedures:	and appropriate pers	onal protection (rubber boots,	safety goggles, and heavy re	ubber gloves).
6.2	Environ	mental	Take steps to avoid r	elease into the environment, if	safe to do so.	
	Precaut	ions:				
6.3	Method	s and Material Fo	Contain spill and colle	ect, as appropriate.		
	Contain	ment and Cleanir	gTransfer to a chemica	al waste container for disposal	in accordance with local reg	gulations.
	Up:					
			Section 7.	Handling and Stor	age	
7.1	Precaut	ions To Be Taken	Avoid breathing dust/	fume/gas/mist/vapours/spray.		
	in Hand		Avoid prolonged or re	• • • •		
7.2			Keep container tightly	closed.		
	in Storiı	ng:	Store in accordance v	vith information listed on the p	roduct insert.	
		Sec	tion 8. Exposu	re Controls/Persona	al Protection	
8.1	Exposur	e Parameters:				
CAS	#	Partial Chemical	Name	Britain EH40	France VL	Europe
	718-66-4	Minoxidil-d10		No data.	No data.	No data.
					1	I Multi-region forma



SAFETY DATA SHEET Minoxidil-d10

CAS	#	Partial Chemical	Name	OSHA TWA	ACGIH TWA	Other Limits	
10207	718-66-4	Minoxidil-d10		No data.	No data.	No data.	
3.2	Exposur	e Controls:		+	- 	+	
3.2.1	(Ventilation etc.): levels below recommended exposure limits.				ontrols to control airborr		
3.2.2			-				
	Eye Pro		Safety glasses	resistant aleves			
		ve Gloves:	Compatible chemical	-resistant gloves			
		rotective Clothing	-	nington og og ditione wernent			
	(Specify			pirator, as conditions warrant.			
	-	-	n Do not take internally				
	ce Pract	tices:	-	ilizing this material should be	equipped with an eyev	vash and a safety show	
			Wash thoroughly afte	r handling.			
			No data available.				
		S	ection 9. Phys	ical and Chemical	Properties		
).1	Informat	ion on Basic Phy	sical and Chemical P	roperties			
	Physica	I States:	[] Gas [] Liquid [X] Solid			
	Appeara	ance and Odor:	A crystalline s	olid			
	Melting	Point:	No data.				
	Boiling	Point:	No data.				
	Flash Pt	::	No data.				
	Evapora	ation Rate:	No data.				
	Explosiv	ve Limits:	LEL: No data	. UEL:	No data.		
	Vapor P	ressure (vs. Air c	or mm No data.				
	Hg):						
	-	ensity (vs. Air = [·]	-				
	=	Gravity (Water =	-				
		ty in Water:	No data.				
		ty Notes:	-	tOH; ~2 mg/ml in DMSO & D	MF;		
	Autoign	ition Pt:	No data.				
9.2	Other Inf	formation					
		Volatile:	No data.				
	Molecular Formula & Weight: C9H5D10N5O 219.3						
				. Stability and Read	ctivity		
0.1	Reactivi	-	No data available.				
0.2	Stability			ble [X]			
0.3	-	Note(s):		cordance with information liste	ed on the product insert	ί.	
	Polyme			ll not occur [X]			
0.4		ons To Avoid:	No data available.				
0.5	-	-	s oxidizing agents				
	To Avoi		reducing agents				
10.6	Hazardo		carbon dioxide				
	-	osition Or	carbon monoxide				
	Byprodu	ucts:	nitrogen oxides				



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ogical Effects: Minoxidil-d10 - Toxicity Data: C Hazardous Components (Chemical Name) Minoxidil-d10 Section 12. Ecology: Avoid release into the environments (Chemical Name) Runoff from fire control or dilute ence and No data available. ability: No data available. umulative No data available. of PBT and vPvB No data available. ment: dverse effects: No data available. Section 13. Dispo Disposal Method: Dispose in accordance with loc Section 14. Tran TRANSPORT (US DOT): Not dangerous goods. rd Class: mber: Transport (European ADR/RID):	NTP n.a. Ogical Information nent. on water may cause provided the second state of the second state	IARC n.a. tion pollution. tions regulations.	ACGIH n.a.	OSHA n.a.	
Minoxidil-d10 Section 12. Ecology /: Avoid release into the environment of the envitent of the environment of the environment o	pgical Information nent. on water may cause p sal Consideration ral, state, and federal	tion bollution. tions regulations.	n.a.	n.a.	
/: Avoid release into the environ Runoff from fire control or dilut ence and ability: ability: No data available. ability: No data available. al: / / in Soil: No data available. of PBT and vPvB No data available. of PBT and vPvB No data available. ment: dverse effects: No data available. Section 13. Dispo Disposal Method: Dispose in accordance with loc Section 14. Tran TRANSPORT (US DOT): Not dangerous goods. er Shipping Name: Not dangerous goods. rd Class: mber:	nent. on water may cause p sal Considera al, state, and federal	tions regulations.			
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TRANSPORT (European ADR/RID):					
Shipping Name: Not dangerous goods.					
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A Shipping Name: Not dangerous goods.					
Transport Transport in accordance with I	ocal, state, and federa	al regulations.			
Section 15. Regu	latory Informa	tion			
uperfund Amendments and Reauthorization Act	of 1986) Lists	1			
Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 31:	3 (TRI)	
Minoxidil-d10	No	No	No		
Hazardous Components (Chemical Name)					
Minoxidil-d10	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No				
R A a	ansport Transport in accordance with le Section 15. Regu Superfund Amendments and Reauthorization Act Hazardous Components (Chemical Name) Minoxidil-d10 Hazardous Components (Chemical Name)	RANSPORT (ICAO/IATA): A Shipping Name: Not dangerous goods. ansport Transport in accordance with local, state, and federa Section 15. Regulatory Informa Superfund Amendments and Reauthorization Act of 1986) Lists Hazardous Components (Chemical Name) S. 302 (EHS) Minoxidil-d10 No Hazardous Components (Chemical Name) Other US EPA or Minoxidil-d10 CAA HAP,ODC: N	RANSPORT (ICAO/IATA): A Shipping Name: Not dangerous goods. ansport Transport in accordance with local, state, and federal regulations. Section 15. Regulatory Information Superfund Amendments and Reauthorization Act of 1986) Lists Hazardous Components (Chemical Name) S. 302 (EHS) S. 304 RQ Minoxidil-d10 No No Hazardous Components (Chemical Name) Other US EPA or State Lists Minoxidil-d10 CAA HAP,ODC: No; CWA NPDE	RANSPORT (ICAO/IATA): A Shipping Name: Not dangerous goods. ansport Transport in accordance with local, state, and federal regulations. Section 15. Regulatory Information Superfund Amendments and Reauthorization Act of 1986) Lists Hazardous Components (Chemical Name) S. 302 (EHS) S. 304 RQ S. 313 Minoxidil-d10 No No No Hazardous Components (Chemical Name) Other US EPA or State Lists Minoxidil-d10 Minoxidil-d10 CAA HAP,ODC: No; CWA NPDES: No; TSCA	



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Regulatory Information	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC)			
Statement:	No.1272/2008.			
Section 16. Other Information				
Revision Date:	04/13/2015			
Additional Information About	No data available.			
This Product:				
	No data available. 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.			