

Revision: 02/15/2020

		Section 1.	Identification of the Substar			nuontuning	
.1	Product Code		29570				
••	Product Name		Naldemedine				
	Synonyms:			vlmethyl)-6,7-dideh	/dro-4,5-epoxy-3,6	,14-trihydroxy-N-[1-methyl-1-(3-	
	5		enyl-1,2,4-oxadiazol-5-y				
1.2	Relevant identified uses of the substance or mixture and uses advised against:						
	Relevant ide	entified uses	For research use only, n	ot for human or vete	erinary use.		
1.3	Details of the	Details of the Supplier of the Safety Data Sheet:					
	Company Na	ame:	Cayman Chemical Com	bany			
			1180 E. Ellsworth Rd.				
	Web site ad	draca	Ann Arbor, MI 48108				
	Information:		www.caymanchem.com Cayman Chemical Com	2201/	±1 (72	4)071 2225	
		-		Jany	τī (73	4)971-3335	
.4	Emergency te Emergency	•	CHEMTREC Within US	and Canada.	+1 (80	0)424-9300	
	Linergency	Contact.	CHEMTREC Outside US		,	13)527-3887	
			Section 2. Ha		•	-,	
					Cation		
1	Classification	of the Sube	tanco or Mixturo:				
			tance or Mixture:				
	Label Elemen	ts:					
	Label Elemen GHS Signal	ts: Word:	tance or Mixture: None				
	Label Elemen GHS Signal GHS Hazaro	ts: Word: d Phrases:	None				
	Label Elemen GHS Signal GHS Hazaro Based on ev	ts: Word: d Phrases: raluation of cr	None urrently available data this sub	stance or mixture is	not classifiable ac	ccording to GHS.	
	Label Elemen GHS Signal GHS Hazaro Based on ev GHS Precau	ts: Word: d Phrases: raluation of cu utionary Phr	None urrently available data this sub	stance or mixture is	not classifiable ac	ccording to GHS.	
	Label Elemen GHS Signal GHS Hazaro Based on ev GHS Precau No phrases a	ts: Word: d Phrases: raluation of cr utionary Phr apply.	None urrently available data this sub ases:	stance or mixture is	not classifiable ad	cording to GHS.	
	Label Elemen GHS Signal GHS Hazard Based on ev GHS Precau No phrases a GHS Respo	ts: Word: d Phrases: raluation of co utionary Phr apply. nse Phrases	None urrently available data this sub ases:	stance or mixture is	not classifiable ad	ccording to GHS.	
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2	Label Elemen GHS Signal GHS Hazard Based on ev GHS Precau No phrases GHS Respo No phrases GHS Storag Please refer UFI:	ts: Word: d Phrases: raluation of cu utionary Phr apply. nse Phrases apply. ge and Dispo to Section 7	None urrently available data this sub ases: s: sal Phrases: for Storage and Section 13 fo Material may be irritating to t May be harmful by inhalation	r Disposal informatio the mucous membra n, ingestion, or skin	on. anes and upper res absorption.	-	
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2.2	Label Elemen GHS Signal GHS Hazaro Based on ev GHS Precau No phrases GHS Respo No phrases GHS Storag Please refer UFI: Adverse Hum Effects and S	ts: Word: d Phrases: raluation of cu utionary Phr apply. nse Phrases apply. ge and Dispo to Section 7 han Health Symptoms: Section rdous Comp	None urrently available data this sub ases: s: s: for Storage and Section 13 for Material may be irritating to the May be harmful by inhalation May cause eye, skin, or resp To the best of our knowledge tion 3. Composition	r Disposal information the mucous membra n, ingestion, or skin piratory system irrita e, the toxicological p	on. anes and upper res absorption. tion. oroperties have not on Ingredie EC No./	spiratory tract. t been thoroughly investigated.	
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Multi-region format



SAFETY DATA SHEET Naldemedine

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		Section 4. First Aid Measures
4.1	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 Claim Contacts	
	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.
	In Case of Eye Contact:	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 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	A solid water stream may be inefficient.
	Media:	
5.2	Flammable Properties an	dNo 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	Protective Precautions,	Avoid raising and breathing dust, and provide adequate ventilation.
	Protective Equipment an	d As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,
	Emergency Procedures:	and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).
6.2	Environmental Precautions:	Take steps to avoid release into the environment, if safe to do so.
6.3		r Contain spill and collect, as appropriate.
0.0		ng Transfer to a chemical waste container for disposal in accordance with local regulations.
	Up:	
	-	Section 7. Handling and Storage
L	Procautions To Bo Takon	Avoid breathing dust/fume/gas/mist/vapours/spray.
'··	in Handling:	Avoid breathing dustriume/gas/mis/vapours/spray. Avoid prolonged or repeated exposure.
7.2		Keep container tightly closed.
	in Storing:	Store in accordance with information listed on the product insert.
	-	tion 8. Exposure Controls/Personal Protection
8 1	Exposure Parameters:	
8.1 8.2	Exposure Parameters: Exposure Controls:	
8.2.1	Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne
0.2.1		levels below recommended exposure limits.
		Multi-region format

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	(Ventilation etc.):					
8.2.2						
	Eye Protection:	Safety glasses				
	Protective Gloves:	Compatible chemical-resistant gloves				
	Other Protective Clothing					
	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.				
		No data available.				
	Se	ection 9. Physical and Chemical Properties				
9.1		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 = *	1): No data.				
	Solubility in Water:	No data.				
	Solubility Notes:	Soluble (slightly) in: chloroform;				
	Octanol/Water Partition	No data.				
	Coefficient:					
	Autoignition Pt:	No data.				
	Decomposition Temperate	ure: No data.				
	Viscosity:	No data.				
9.2	Other Information					
	Percent Volatile:	No data.				
	Molecular Formula & Weig	Jht: C32H34N4O6 570.6				
		Section 10. Stability and Reactivity				
10.1	Reactivity:	No data available.				
10.2	Stability:	Unstable [] Stable [X]				
10.3	Stability Note(s):	Stable if stored in accordance with information listed on the product insert.				
	Polymerization:	Will occur [] Will not occur [X]				
10.4	Conditions To Avoid:	No data available.				
10.5	Incompatibility - Materials	No data available.				
	To Avoid:					
10.6	Hazardous	No data available.				
		Multi-region forma				



	ompositio roducts:	I OI					
			Section 11. Toxico	logical Inform	nation		
	rmation or		The toxicological effects of this	product have not be	een thoroughly stu	udied.	
CAS #	Haza	rdous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA
916072-89	-4 Nalde	emedine		n.a.	n.a.	n.a.	n.a.
			Section 12. Ecolo	ogical Information	ation		
2.1 Tox	icity:		Avoid release into the environm Runoff from fire control or diluti		e pollution.		
	sistence ar radability:	nd	No data available.				
	accumulati ential:	ve	No data available.				
2.4 Mot	ility in Soi	I:	No data available.				
2.5 Res	ults of PB	and vPvB آ	No data available.				
ass	essment:						
2.6 Oth	er adverse	effects:	No data available.				
			Section 13. Dispos	sal Considera	ations		
3.1 Was	te Disposa	al Method:	Dispose in accordance with loc	al, state, and federa	I regulations.		
			Section 14. Tran	sport Inform	ation		
4.1 LAN	ID TRANSI		ЮОТ):				
DOT Pr	oper Ship	oing Name:	Not dangerous goods.				
DOT Ha	azard Class	5:					
	Number:						
		-	ppean ADR/RID):				
UN Nur	D Shipping nber:	g name:	Not dangerous goods.				
Hazard							
4.3 AIR	TRANSPO	RT (ICAO/I	ATA):				
	ATA Shippi	ing Name:	Not dangerous goods.				
UN Nur Hazard				Packing Gr	oup:		
Additional	Transport		Transport in accordance with lo	ocal, state, and fede	ral regulations.		
nformatio	n:						
			Section 15. Regu	-	ation		
EPA SARA			ents and Reauthorization Act	-	a a a a a		
	Haza		ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313	B (TRI)
CAS # 916072-89	_4 Nolda	emedine			No	No	



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CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or State Lists	
916072-89-4	Naldemedine		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No	
Regulatory Information Statement:		This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.		
		Section 16. Otl	ner Information	
Revision Date:		02/15/2020		
Additional Info This Product:	rmation About	No data available.		
Company Polic	y or Disclaimer:	currently available to us. However, express or implied, with respection	is believed to be accurate and represents the best information ver, we make no warranty of merchantability or any other warranty, t to such information, and we assume no liability resulting from its own investigations to determine the suitability of the information for	