

Page: 1

	accor	ding to Regulation (EC) No. 1907/2006 as amended by (E	C) No. 1272/2008			
	Section 1. Ic	lentification of the Substance/Mixture and of the	e Company/Undertaking			
1.1	Product Code: Product Name: Synonyms:	14878 Pentostatin (8R)-3-(2-deoxy-ß-D-erythro-pentofuranosyl zepin-8-ol; CI 825; CL 67310465; DCF; Deo	,			
.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 o Company Name:	f the Safety Data Sheet: Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108				
	Web site address: Information:	www.caymanchem.com Cayman Chemical Company	+1 (734)971-3335			
1.4	Emergency telephone n Emergency Contact:	umber: CHEMTREC Within USA and Canada: CHEMTREC Outside USA and Canada:	+1 (800)424-9300 +1 (703)527-3887			
		Section 2. Hazards Identifica	tion			
2.1.2 2.2 2.2.1	T: Toxic Reproductive Hazard: 3 Risk Phrases: R25, R62 For full text of R- phrase Label Elements:	, R63				
	GHS Precaution Phrases P264: Wash {hands} thoro P201: Obtain special instr	bughly after handling.	derotood			
		ctive equipment as required.				



Revision: 03/07/2014

2.2.2	T Reprod Advers	uctive Hazard: 3		ion or skin absorpt espiratory system in ertility or the unborr	ion. ritation. n child.	
		Sect	tion 3. Composition	/Information o	on Ingredie	nts
CAS : RTEC		Hazardous Comp REACH Registrat	oonents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	Risk Phrases/ GHS Classification
5391 NI293	0-25-1 1000	Pentostatin		100.0 %	NA NA	T; Rp:3, R25-62-63 Acute Tox.(O) 4: H302 Toxic Repro. 2: H361
			Section 4. Fi	rst Aid Measu	ires	
	In Case Contac In Case Contac	e of Inhalation: e of Skin ct: e of Eye	personnel. Get immediate Immediately wash skin with contaminated clothing. Ge reuse. Hold eyelids apart and flus examined and tested by m Wash out mouth with wate to an unconscious person. directed to do so by medic	medical attention. h soap and plenty t medical attention sh eyes with plenty redical personnel. er provided person Get medical atten cal personnel.	of water for at l if symptoms of of water for at is conscious. N tion. Do NOT ir	ccur. Wash clothing before least 15 minutes. Have eyes lever give anything by mouth
			Section 5. Fire	<u> </u>		
5.1	Media: Unsuit		······································		emical spray.	
5.2	and Ha Flash I	azards: Pt:	No data available. No data.			
5.3	-		LEL: No data. No data. As in any fire, wear self-co approved or equivalent), a	-	apparatus pres	



			Section 6. Acc	cidental Relea	se Measures		
6.1	Protective Precautions Protective Equipment and Emergency Procedures:		Avoid raising and breathing dust, and provide adequate ventilation. 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	Environmental Precautions:		Take steps to avoid	d release into the er	nvironment, if safe to do so		
6.3	Methods and Material For Containment and Cleaning Up:		Contain spill and collect, as appropriate. Transfer to a chemical waste container for disposal in accordance with local regulations.				
			Section 7.	Handling and	d Storage		
7.1 7.2	Taken in Handling:		Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid prolonged or repeated exposure. Keep container tightly closed. Store in accordance with information listed on the product insert.				
		Sect	ion 8. Exposu	re Controls/Pe	ersonal Protection		
8.1	Exposi	re Parameters:					
CAS #	ŧ	Partial Chemical	Name	Britain EH40	France VL	Europe	
5391	0-25-1	Pentostatin		No data.	No data.	No data.	
CAS #	ŧ	Partial Chemical	Name	OSHA TWA	ACGIH TWA	Other Limits	
5391	0-25-1	Pentostatin		No data.	No data.	No data.	
	Engine (Ventila	ure Controls: ering Controls ation etc.):	control airborne leve		ventilation, or other engine nded exposure limits.	eering controls to	
0.2.2		nal protection ed otection:	quipment: Safety glasses				
	•	ive Gloves:	Compatible chemical-resistant gloves				
	Other Protective Clothing:		Lab coat t NIOSH approved respirator, as conditions warrant.				

Multi-region format



	Section 9. Physical and Chemical Properties				
9.1	Information on Basic Physical and Chemical Properties				
	Physical States:	[]Gas []Liquid [X]Solid			
	Appearance and Odor:				
	Melting Point:	No data.			
	Boiling Point:	No data.			
Flash Pt:		No data.			
	Evaporation Rate:	No data.			
	Explosive Limits:	LEL: No data. UEL: No data.			
	Vapor Pressure (vs. Ai mm Hg):	r or No data.			
	Vapor Density (vs. Air	= 1): No data.			
	Specific Gravity (Water				
	Solubility in Water:	No data.			
	Solubility Notes:	~5 mg/ml in PBS (pH 7.2); ~10 mg/ml in DMSO;			
	Autoignition Pt:	No data.			
9.2	Other Information				
	Percent Volatile:	No data.			
	Molecular Formula & V	Veight: C11H16N4O4 268.3			
		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 -	No data available.			
	Materials To Avoid:				
10.6	Hazardous	carbon dioxide			
	Decomposition Or	carbon monoxide			
	Byproducts: nitrogen oxides				
		Section 11. Toxicological Information			
11.1	Information on Toxicological Effects:	The toxicological effects of this product have not been thoroughly studied. Pentostatin - Toxicity Data: Oral LD50 (mouse): 227 mg/kg; Intravenous LD50 (mouse): 122 mg/kg; Intravenous TDLO (rat): 7500 μg/kg; Intraperitoneal TDLO (mouse): 500 μg/kg;			
	Chronic Toxicological Effects:Pentostatin - Investigated as a mutagen, reproductive effector, and tumorigen.Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is pres here. See actual entry in RTECS for complete information. Pentostatin RTECS Number: NI2931000				
Carci	nogenicity:	NTP? No IARC Monographs? No OSHA Regulated? No			

Multi-region format



Revision: 03/07/2014

	Section 12. Ecological Information					
12.1	Toxicity	/:	Avoid release into the environ Runoff from fire control or dile		use pollution.	
			Section 13. Dispos	al Considerat	ions	
13.1	Waste [Method	Disposal :	Dispose in accordance with l	ocal, state, and fed	eral regulations.	
	Section 14. Transport Information					
14.1	LAND	TRANSPORT	(US DOT):			
D	-	rd Class:	ame: Not dangerous goods.			
14.1	LAND	TRANSPORT	(European ADR/RID):			
U	IN Numbe		e: Not dangerous goods.			
п 14.3	lazard Cla	ass: RANSPORT (IC				
		•	me: Not dangerous goods.			
	itional Tra		Transport in accordance with	n local, state, and fe	ederal regulations.	
	mation:	•			Ç	
			Section 15. Regul	atory Informat	tion	
EPA	SARA (Su	perfund Amend	Iments and Reauthorization Act of	of 1986) Lists		
CAS	#	Hazardous Co	mponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
539	10-25-1	Pentostatin		No	No	No
CAS	#	Hazardous Co	mponents (Chemical Name)	Other US EPA or S	State Lists	
539 ⁻	53910-25-1 Pentostatin		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: Yes			
Euro	opean Co	mmunity Haza				
			ard Symbol codes:			
Euro	opean Co		T Reproductive Hazard: 3			
R25 R62 R63 S22 S24	/25 /37/39		T	es. ng, gloves and eye,	•	ately (show the label



Page: 6

Regulatory Information This SDS was prepared in accordance with Regulation (EC) No.1272/2008 and			
Statement:			
	Section 16. Other Information		
Revision Date:	03/07/2014		
Additional Information Abou This Product:	it No data available.		
Company Policy 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.		