

Revision: 02/10/2015

Section 3. Composition/Information on Ingredients CAS # / RTECS # Hazardous Components (Chemical Name)/ REACH Registration No. Concentration EC No./ EC Index No. GHS Classification NA SEAP Substrate (Luminescence) >99.9 % NA No data available. 26628-22-8 VY8050000 Sodium azide < 0.1 % 247-852-1 011-004-00-7 Acute Tox.(O) 2: H300 Aquatic (A) 1: H400	Section 1. Identification of the Substance/Mixture and of the Company/Underfaking 1.1 Product Name: SEAP Substrate (Luminescence) 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 the Safety Data Sheet: Company Name: Cayman Chemical Company 1180 E. Elsworth Rd. Ann Arbor, MI 48108 Web site address: www.caymanchem.com Information: Cayman Chemical Company 1180 E. Elsworth Rd. Ann Arbor, MI 48108 Web site address: www.caymanchem.com Information: Cassification of the Substance or Mixture: 2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]: 2.1 Label Elements: 2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]: 2.2 Label Regenee Phrases: Based on evaluation of turently available data this substance or mixture is not classifiable according to GHS. GHS Preacution Phrases: No phrases apply. OHS Response Phrases: No phrases apply. OHS Response Phrases: Nay be harmful by inhalation, ingestion, or skin absorption. May cause eye, skin, or respiratory system irritation. May cause eye, skin, or respiratory system irritation. May							Supersedes Revision: 04/02/2014
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2.1 Classification of the Substance or Mixture: 2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]: 2.2 Labeling according to Regulation (EC) No 1272/2008 [CLP]: 2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]: GHS Signal Word: GHS Hazard Phrases: Based on evaluation of currently available data this substance or mixture is not classifiable according to GHS. GHS Precaution Phrases: No phrases apply. GHS Response Phrases: No phrases apply. GHS Storage and Disposal Phrases: Please refer to Section 7 for Storage and Section 13 for Disposal information. 2.3 Adverse Human Health Material may be irritating to the mucous membranes and upper respiratory tract. Effects and Symptoms: May be harmful by inhalation, ingestion, or skin absorption. May cause eye, skin, or respiratory system irritation. To the best of our knowledge, the toxicological properties have not been thoroughly investigated Section 3. Composition/Information on Ingredients CAS # / Hazardous Components (Chemical Name)/ Concentration EC No./ GHS Classification NA SEAP Substrate (Luminescence) >99.9 % NA No data available. NA Sedium azide < 0.1 %	2.1 Classification of the Substance or Mixture: 2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]: 2.2 Labeling according to Regulation (EC) No 1272/2008 [CLP]: GHS Signal Word: GHS Hazard Phrases: Based on evaluation of currently available data this substance or mixture is not classifiable according to GHS. GHS Precaution Phrases: No phrases apply. GHS Response Phrases: No phrases apply. GHS Storage and Disposal Phrases: Please refer to Section 7 for Storage and Section 13 for Disposal information. 2.3 Adverse Human Health Material may be irritating to the mucous membranes and upper respiratory tract. Effects and Symptoms: May be harmful by inhalation, ingestion, or skin absorption. May cause eye, skin, or respiratory system irritation. To the best of our knowledge, the toxicological properties have not been thoroughly investigated Section 3. Composition/Information on Ingredients CAS # / Hazardous Components (Chemical Name)/ Concentration EC No./ GHS Classification NA SEAP Substrate (Luminescence) >99.9 % NA No data available. NA Sedum azide < 0.1 %		Emer	gency Contact:			•	
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CAS # / RTECS # Hazardous Components (Chemical Name)/ REACH Registration No. Concentration EC No./ EC Index No. GHS Classification NA SEAP Substrate (Luminescence) >99.9 % NA No data available. NA Searce <0.1 % 247-852-1 011-004-00-7 Acute Tox.(O) 2: H300 Aquatic (A) 1: H400	CAS # / RTECS #Hazardous Components (Chemical Name)/ REACH Registration No.ConcentrationEC No./ EC Index No.GHS ClassificationNASEAP Substrate (Luminescence)>99.9 %NANo data available.NASear Substrate (Luminescence)>90.9 %NANo data available.26628-22-8Sodium azide< 0.1 %247-852-1 011-004-00-7Acute Tox.(O) 2: H300 Aquatic (A) 1: H400		GHS S GHS H Based GHS F No phr GHS F No phr GHS S Please Adver	ignal Word: lazard Phrases: on evaluation of curr Precaution Phrases: rases apply. Response Phrases: rases apply. Storage and Disposa refer to Section 7 fo se Human Health s and Symptoms:	ently available data this subs al Phrases: r Storage and Section 13 for l Material may be irritating to May be harmful by inhalatior May cause eye, skin, or resp To the best of our knowledge	tance or mixture is r Disposal informatior the mucous membra n, ingestion, or skin piratory system irrita e, the toxicological p	n. anes and upper res absorption. tion. properties have no	spiratory tract. t been thoroughly investigated.
RTECS #REACH Registration No.EC Index No.EC Index No.NA NASEAP Substrate (Luminescence)>99.9 %NA NANo data available. NA26628-22-8 VY8050000Sodium azide< 0.1 %	RTECS #REACH Registration No.EC Index No.NA NASEAP Substrate (Luminescence)>99.9 %NA NANo data available. NA26628-22-8 VY8050000Sodium azide< 0.1 %			Sect	ion 3. Compositior	n/Information	on Ingredie	nts
NA NA 26628-22-8 VY8050000 Sodium azide < 0.1 % 247-852-1 011-004-00-7 Acute Tox.(O) 2: H300 Aquatic (A) 1: H400	NA NA 26628-22-8 VY8050000 Sodium azide < 0.1 % 247-852-1 011-004-00-7 Acute Tox.(O) 2: H300 Aquatic (A) 1: H400			,		Concentration		GHS Classification
VY8050000 011-004-00-7 Aquatic (A) 1: H400	VY8050000 011-004-00-7 Aquatic (A) 1: H400			SEAP Substrate (Lur	ninescence)	>99.9 %		No data available.
				Sodium azide		< 0.1 %		Aquatic (A) 1: H400



Revision: 02/10/2015 Supersedes Revision: 04/02/2014

Measures In Case of In Case of Media: Unsuitab Media: In Case of Media: In Case of In Case of In Case of In Case of In Ca					
Measures In Case of In Case of Media: Unsuitable Media: Unsuitab Media: 5.2 Flammak Hazards: Flash Pt: Explosive Autoignit 5.3 Fire Figh 5.1 Protective Emergen 5.2 Environne Precautio 5.3 Methods Containne Up: 7.1 Precautio in Handli 7.2 Precautio	tion of First Aid	No data available.	4. First Aid Measure		
In Case of In Case of In Case of In Case of In Case of		no data avallable.			
In Case of In Case of In Case of In Case of Sectors of the sectors In Case of Media: Unsuitable Media: Unsuitable Media: Flash Pt: Explosive Autoignit Sectors Flash Pt: Explosive Autoignit Sectors Flash Pt: Explosive Autoignit Sectors Flash Pt: Explosive Autoignit Sectors Flash Pt: Explosive Autoignit Sectors Protective Emergen Sectors Flash Pt: Explosive Autoignit Sectors Flash Pt: Explosive Autoignit Sectors Flash Pt: Explosive Autoignit Sectors Flash Pt: Explosive Autoignit Sectors Protective Emergen Sectors Flash Pt: Explosive Autoignit Sectors Flash Pt: Explosive Autoignit Sectors Protective Emergen Sectors Containn Up: The Precautio in Handli Zectors Flash Pt: Explosive Autoignit Sectors Flash Pt: Explosive Autoignit Sectors Flash Pt: Explosive Autoignit Sectors Flash Pt: Explosive Autoignit Sectors Flash Pt: Emergen Sectors Flash Pt: Emergen Sectors Flash Pt: Emergen Sectors Flash Pt: Explosive Autoignit Sectors Flash Pt: Emergen Sectors Flash Pt: Emergen Sectors Flash Pt: Emergen Sectors Flash Pt: Flash Pt: Emergen Sectors Flash Pt: Flash Pt:	of Inhalation:	Remove to fresh air. In Get immediate medica	f not breathing, give artificial re al attention.	espiration or give oxygen by	trained personnel.
In Case of In Case of S.1 Suitable Media: Unsuitab Media: S.2 Flammak Hazards: Flash Pt: Explosive Autoignit S.3 Fire Figh S.1 Protective Protective Emergen S.2 Environne Precaution S.2 Environne Precaution Containne Up: T.1 Precaution in Handli T.2 Precaution in Storing	of Skin Contact:		n with soap and plenty of water attention if symptoms occur. W		move contaminate
5.1 Suitable Media: Unsuitab Media: 5.2 Flammak Hazards: Flash Pt: Explosive Autoignit 5.3 Fire Figh 5.1 Protectiv Protectiv Emergen 5.2 Environn Precautio 5.3 Methods Containn Up: 7.1 Precautio in Handli 7.2 Precautio in Storing	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
Media: Unsuitab Media: 5.2 Flammat Hazards: Flash Pt: Explosive Autoignit 5.3 Fire Figh 5.1 Protectiv Protectiv Emergen 5.2 Environn Precautio 5.3 Methods Containn Up: 7.1 Precautio in Handli 7.2 Precautio in Storing	of Ingestion:		water provided person is conso Get medical attention. Do NOT		-
Media: Unsuitab Media: 5.2 Flammat Hazards: Flash Pt: Explosive Autoignit 5.3 Fire Figh 5.1 Protectiv Protectiv Emergen 5.2 Environn Precautio 5.3 Methods Containn Up: 7.1 Precautio in Handli 7.2 Precautio in Storing		Section 5.	Fire Fighting Meas	ures	
Media: 5.2 Flammat: Hazards: Flash Pt: Explosive Autoignit 5.3 Fire Figh 5.1 Protective Protective Emergen 5.2 Environne Precaution S.2 Environne Precaution Containne Up: 7.1 Precaution in Handli 7.2 Precaution in Storing	e Extinguishing	Use water spray to co	foam, carbon dioxide, water, o pol fire-exposed containers.	or dry chemical spray.	
5.2 Flammak Hazards: Flash Pt: Explosive Autoignit 5.3 Fire Figh 5.1 Protectiv Emergen 5.2 Environn Precautio 5.3 Methods Containn Up: 7.1 Precautio in Handli 7.2 Precautio in Storing	ble Extinguishing	A solid water stream	may be inefficient.		
Explosive Autoignit 5.3 Fire Figh 5.1 Protective Protective Emergen 5.2 Environne Precaution 5.3 Methods Containne Up: 7.1 Precaution in Handli 7.2 Precaution in Storing	-	id No data available.			
Autoignin Autoignin Fire Figh Autoignin Fire Figh Protectiv Emergen Call Protectiv Emergen Precaution Containn Up: Call Precaution in Handli Call Precaution Call Precaution Contain Containn Contain	t:	No data.			
5.3 Fire Figh 5.1 Protectiv Protectiv Emergen 5.2 Environn Precautio 5.3 Methods Containn Up: 7.1 Precautio in Handli 7.2 Precautio in Storing	ve Limits:	LEL: No data.	UEL: No data.		
5.1 Protectiv Protectiv Emergen 5.2 Environn Precautio 5.3 Methods Containn Up: 7.1 Precautio in Handli 7.2 Precautio in Storing	ition Pt:	No data.			
Protectiv Emergen 5.2 Environn Precautio 5.3 Methods Containn Up: 7.1 Precautio in Handli 7.2 Precautio in Storing	hting Instructions	-	elf-contained breathing appara rotective gear to prevent conta		H approved or
Protectiv Emergen 5.2 Environn Precautio 5.3 Methods Containn Up: 7.1 Precautio in Handli 7.2 Precautio in Storing		Section 6. Ac	cidental Release Me	easures	
Emergen 5.2 Environn Precautio 5.3 Methods Containn Up: 7.1 Precautio in Handli 7.2 Precautio in Storing	ive Precautions,	•	ors and provide adequate venti		
5.2 Environn Precautio 5.3 Methods Containn Up: 7.1 Precautio in Handli 7.2 Precautio in Storing			t, wear a NIOSH approved sel		
Precautio 3.3 Methods Containn Up: 7.1 Precautio in Handli 7.2 Precautio in Storing	ency Procedures:		onal protection (rubber boots,		ubber gloves).
5.3 Methods Containn Up: 7.1 Precautio in Handli 7.2 Precautio in Storing		lake steps to avoid r	elease into the environment, if	safe to do so.	
Containn Up: 7.1 Precautio in Handli 7.2 Precautio in Storing		r Contain spill and coll	ect as appropriate		
Up: 7.1 Precautio in Handli 7.2 Precautio in Storing		•	al waste container for disposal	in accordance with local reg	ulations.
in Handli 7.2 Precautio in Storing		0			-
in Handli 7.2 Precautio in Storing		Section 7.	Handling and Stor	ade	
in Handli 7.2 Precautio in Storing	tions To Be Taker		fume/gas/mist/vapours/spray.	<u> </u>	
in Storing	lling:	Avoid prolonged or re	peated exposure.		
	tions To Be Taken	Keep container tightly	closed.		
Other Pro	ng:	Store in accordance v	vith information listed on the pr	roduct insert.	
	recautions:	Light sensitive.			
	Sec	tion 8. Exposu	re Controls/Persona	al Protection	
8.1 Exposure	re Parameters:				
CAS #	Partial Chemical	Name	Britain EH40	France VL	Europe
NA	SEAP Substrate ((Luminescence)	No data.	No data.	No data.



SAFETY DATA SHEET **SEAP Substrate (Luminescence)**

	Revision:	02/10/2015
Inorcodoc	Revision.	04/02/2014

	28-22-8	Sodium azide		TWA: 0.1 mg/m3 ()	TWA: 0.1 mg/m3	TWA: 0.1 mg/m3			
		Partial Chemical Name		STEL: 0.3 mg/m3 ()	STEL: 0.3 mg/m3	STEL: 0.3 mg/m3			
				OSHA TWA	ACGIH TWA	Other Limits			
		SEAP Substrate	(Luminescence)	No data.	No data.	No data.			
2662	6628-22-8 Sodium azide			No data.	CEIL: 0.29 mg/m3	No data.			
3.2	Exposur	re Controls:				·			
3.2.1	Enginee			ures, local exhaust ventila	tion, or other engineering cor	trols to control airbor			
	(Ventila	tion etc.):	levels below recomr	mended exposure limits.					
3.2.2	Persona	al protection equi	pment:						
	Eye Pro	tection:	Safety glasses						
	Protecti	ve Gloves:	Compatible chemical-resistant gloves						
		rotective Clothing	-						
	-	tory Equipment	NIOSH approved re	spirator, as conditions war	rant.				
	(Specify								
	-		n Do not take internal	-					
	ce Pract	tices:		utilizing this material shoul	d be equipped with an eyewa	ash facility and a safe			
			shower. Wash thoroughly aft	ter handling					
				tor nanaling.					
		No data available.							
			ection 9. Phy	sical and Chemic	cal Properties				
9.1	Informat	ion on Basic Phy	sical and Chemical I	Properties					
	Physica	I States:	[] Gas	[X]Liquid []Solid					
	Appeara	earance and Odor: A clear solution							
	Melting	Point:	No data.						
	Boiling	Point:	No data.						
	Flash P	Point: t:	No data. No data.						
	Flash Pr Evapora	Point: t: ation Rate:	No data. No data. No data.						
	Flash Pr Evapora Explosi	Point: t: ation Rate: ve Limits:	No data. No data. No data. LEL: No dat	ta. U	IEL: No data.				
	Flash Pr Evapora Explosi Vapor P	Point: t: ation Rate:	No data. No data. No data. LEL: No dat	ta. U	IEL: No data.				
	Flash Pr Evapora Explosit Vapor P Hg):	Point: t: ation Rate: ve Limits: vressure (vs. Air o	No data. No data. No data. LEL: No dat or mm No data.	ta. U	IEL: No data.				
	Flash P Evapora Explosiv Vapor P Hg): Vapor D	Point: t: ation Rate: ve Limits: Pressure (vs. Air o Density (vs. Air = 1	No data. No data. No data. LEL: No dat or mm No data. 1): No data.	ta. U	IEL: No data.				
	Flash P Evapora Explosiv Vapor P Hg): Vapor D Specific	Point: t: ation Rate: ve Limits: Pressure (vs. Air o Pensity (vs. Air = 1 c Gravity (Water =	No data. No data. No data. LEL: No data. or mm No data. 1): No data. a 1): No data.	ta. U	IEL: No data.				
	Flash P Evapora Explosiv Vapor P Hg): Vapor D Specific Solubili	Point: t: ation Rate: ve Limits: Pressure (vs. Air o Pensity (vs. Air = c Gravity (Water = ty in Water:	No data. No data. No data. LEL: No data. or mm No data. 1): No data. a 1): No data. No data.	ta. U	IEL: No data.				
12	Flash P Evapora Explosiv Vapor P Hg): Vapor D Specific Solubili Autoign	Point: t: ation Rate: ve Limits: Pressure (vs. Air o Pensity (vs. Air = 1 c Gravity (Water = ty in Water: ition Pt:	No data. No data. No data. LEL: No data. or mm No data. 1): No data. a 1): No data.	ta. U	IEL: No data.				
).2	Flash Pr Evapora Explosiv Vapor P Hg): Vapor D Specific Solubili Autoign Other Int	Point: t: ation Rate: ve Limits: Pressure (vs. Air o Pensity (vs. Air = Consity (vs. Air = Gravity (Water = ty in Water: ition Pt: formation	No data. No data. No data. LEL: No data. T): No data. No data. No data. No data. No data.	ta. U	IEL: No data.				
9.2	Flash Pr Evapora Explosiv Vapor P Hg): Vapor D Specific Solubili Autoign Other Int	Point: t: ation Rate: ve Limits: Pressure (vs. Air o Pensity (vs. Air = 1 c Gravity (Water = ty in Water: ition Pt:	No data. No data. No data. LEL: No data. I): No data. 1): No data. No data. No data. No data. No data.						
0.2	Flash Pr Evapora Explosiv Vapor P Hg): Vapor D Specific Solubili Autoign Other Int	Point: t: ation Rate: ve Limits: Pressure (vs. Air o Pensity (vs. Air = Consity (vs. Air = Gravity (Water = ty in Water: ition Pt: formation	No data. No data. No data. LEL: No data. LEL: No data. No data. No data. No data. No data. No data. No data.	na. U					
10.1	Flash Pr Evapora Explosiv Vapor P Hg): Vapor D Specific Solubili Autoign Other Int Percent	Point: t: ation Rate: ve Limits: Pressure (vs. Air of Pensity (vs. Air = 1) c Gravity (Water = ty in Water: ty in Water: ition Pt: formation Volatile:	No data. No data. No data. LEL: No data. I): No data. 1): No data. No data. No data. No data. No data. No data. No data.	0. Stability and R					
0.1	Flash Pr Evapora Explosiv Vapor P Hg): Vapor D Specific Solubili Autoign Other Int Percent Reactivi Stability	Point: t: ation Rate: ve Limits: Pressure (vs. Air of Pensity (vs. Air = 1) c Gravity (Water = ty in Water: hition Pt: formation Volatile: ity: /:	No data. No data. No data. LEL: No data. LEL: No data. No data. No data. No data. No data. No data. No data. No data. No data.	D. Stability and Re	eactivity				
0.1	Flash Pr Evapora Explosiv Vapor P Hg): Vapor D Specific Solubilit Autoign Other Int Percent Reactive Stability	Point: t: ation Rate: ve Limits: Pressure (vs. Air of Pensity (vs. Air = 1) c Gravity (Water = ty in Water: ition Pt: formation Volatile: ity: /: / Note(s):	No data. No data. No data. LEL: No data. LEL: No data. No data. No data. No data. No data. No data. No data. No data. No data. Section 10 No data available. Unstable [] St Stable if stored in ad	D. Stability and Re able [X]					
0.1 0.2 0.3	Flash Pr Evapora Explosiv Vapor P Hg): Vapor D Specific Solubilit Autoign Other Int Percent Reactivi Stability Polymer	Point: t: ation Rate: ve Limits: Pressure (vs. Air of Pensity (vs. Air = 1) c Gravity (Water = ty in Water: ition Pt: formation Volatile: ity: /: / Note(s): rization:	No data. No data. No data. LEL: No data. LEL: No data. No data. No data. No data. No data. No data. No data. No data. No data. Section 10 No data available. Unstable [] St Stable if stored in ad Will occur [] V	D. Stability and Re	eactivity				
10.1 10.2 10.3	Flash Pr Evapora Explosiv Vapor P Hg): Vapor D Specific Solubilit Autoign Other Int Percent Reactive Stability Stability Polymer Conditio	Point: t: ation Rate: ve Limits: Pressure (vs. Air of Density (vs. Air = 1) c Gravity (Water = ty in Water: ition Pt: formation Volatile: ity: /: / Note(s): rization: ons To Avoid:	No data. No data. No data. LEL: No data. LEL: No data. No data. No data. No data. No data. No data. No data. No data. No data. Section 10 No data available. Unstable [] St Stable if stored in ac Will occur [] W No data available.	D. Stability and Re able [X]	eactivity				
9.2 10.1 10.2 10.3 10.4 10.5	Flash Pr Evapora Explosiv Vapor P Hg): Vapor D Specific Solubilir Autoign Other Int Percent Reactivi Stability Stability Polymer Conditio	Point: t: ation Rate: ve Limits: Pressure (vs. Air of Pensity (vs. Air = 1) c Gravity (Water = ty in Water: ity in Water: ity in Water: ity in Vater: ity in Vat	No data. No data. No data. LEL: No data. LEL: No data. No data. No data. No data. No data. No data. No data. No data. No data. Section 10 No data available. Unstable [] St Stable if stored in ac Will occur [] V No data available. Stable if stored in ac	D. Stability and Re Table [X] ccordance with information Vill not occur [X]	eactivity				
10.1 10.2 10.3 10.4	Flash Pr Evapora Explosiv Vapor P Hg): Vapor D Specific Solubilit Autoign Other Int Percent Reactive Stability Stability Polymer Conditio	Point: t: ation Rate: ve Limits: Pressure (vs. Air of Pensity (vs. Air = 1) c Gravity (Water = ty in Water: ity in Water: ity in Water: ity in Vater: ity in Vat	No data. No data. No data. LEL: No data. LEL: No data. No data. No data. No data. No data. No data. No data. No data. No data. Section 10 No data available. Unstable [] St Stable if stored in ac Will occur [] V No data available. storng reducing age	D. Stability and Re able [X] ccordance with information Vill not occur [X]	eactivity				
10.1 10.2 10.3 10.4	Flash Pr Evapora Explosiv Vapor P Hg): Vapor D Specific Solubilir Autoign Other Int Percent Reactivi Stability Stability Polymer Conditio	Point: t: ation Rate: ve Limits: Pressure (vs. Air of Pensity (vs. Air = 1) c Gravity (Water = ty in Water: ity in Water: ity in Water: ity in Vater: ity in Vat	No data. No data. No data. LEL: No data. LEL: No data. No data. No data. No data. No data. No data. No data. No data. No data. Section 10 No data available. Unstable [] St Stable if stored in ac Will occur [] V No data available. Stable if stored in ac	D. Stability and Re able [X] ccordance with information Vill not occur [X]	eactivity				



Revision: 02/10/2015

10.6	Hazardo	us	carbon dioxid	de					
	Decomp	osition Or	carbon mono	oxide					
	Byprodu	icts:	hydrogen ch	loride					
			nitrogen oxic	les					
			phospines						
			phosphorus	oxides					
			Sectio	n 11. Toxic	ological	Informa	ation		
1.1	Informat	ion on	The toxicolog	gical effects of thi	is product ha	ve not beer	n thoroughly st	udied.	
	Toxicolo	gical Effects:							
Carcir	nogenicity	/:	NTP? No	IARC Monogra	aphs? No	OSHA Re	egulated? No		
CAS	#	Hazardous Com	ponents (Che	emical Name)		NTP	IARC	ACGIH	OSHA
	NA	SEAP Substrate	(Luminescenc	;e)		n.a.	n.a.	n.a.	n.a.
2662	28-22-8	Sodium azide				n.a.	n.a.	A4	n.a.
		•	Secti	on 12. Eco	logical Ir	format	ion	•	•
	Taviaitu				-	nonnat			
12.1	Toxicity:			e into the environ fire control or dilu		av cause n	ollution		
12.2	Persiste	noo ond	No data avai			ay cause p	onution.		
12.2			NU Uala avai	liable.					
	-	-	gradability:						
177		oaccumulative No data available.							
12.3			No data avai	liable.					
	Potentia	l:							
12.4	Potentia Mobility	l: in Soil:	No data avai	ilable.					
12.4	Potentia Mobility Results	l: in Soil: of PBT and vPvB	No data avai	ilable.					
12.4	Potentia Mobility	l: in Soil: of PBT and vPvB	No data avai No data ava	ilable. ilable.					
12.4	Potentia Mobility Results assessm	l: in Soil: of PBT and vPvB nent:	No data avai No data avai Sectio	ilable. ilable. on 13. Dispo					
12.4 12.5	Potentia Mobility Results assessm	l: in Soil: of PBT and vPvB	No data avai No data avai Sectio	ilable. ilable. on 13. Dispo					
12.4 12.5	Potentia Mobility Results assessm	l: in Soil: of PBT and vPvB nent:	No data avai No data avai Sectio Dispose in a	ilable. ilable. on 13. Dispo	ocal, state, ar	nd federal r	egulations.		
12.4 12.5 13.1	Potentia Mobility Results assessm Waste D	l: in Soil: of PBT and vPvB nent:	No data avai No data avai Sectio Dispose in a Sect	ilable. ilable. on 13. Dispo ccordance with lo	ocal, state, ar	nd federal r	egulations.		
12.4 12.5 13.1 14.1	Potentia Mobility Results assessm Waste D	l: in Soil: of PBT and vPvB nent: isposal Method:	No data avai No data avai Sectio Dispose in a Sect	ilable. ilable. on 13. Dispo ccordance with lo	ocal, state, ar	nd federal r	egulations.		
12.4 12.5 13.1 14.1 D	Potentia Mobility Results assessm Waste D	I: in Soil: of PBT and vPvB nent: isposal Method: RANSPORT (US r Shipping Name	No data avai No data avai Sectio Dispose in a Sect	ilable. ilable. on 13. Dispo ccordance with lo tion 14. Tra	ocal, state, ar	nd federal r	egulations.		
12.4 12.5 13.1 14.1 D	Potentia Mobility Results assessm Waste D LAND T OT Prope	I: in Soil: of PBT and vPvB nent: isposal Method: RANSPORT (US r Shipping Name d Class:	No data avai No data avai Sectio Dispose in a Sect	ilable. ilable. on 13. Dispo ccordance with lo tion 14. Tra	ocal, state, ar	nd federal r	egulations.		
12.4 12.5 13.1 14.1 D U	Potentia Mobility Results assessm Waste D LAND T OT Prope OT Hazaro	I: in Soil: of PBT and vPvB nent: isposal Method: RANSPORT (US r Shipping Name d Class:	No data avai No data avai Sectio Dispose in a Sect DOT): : Not dang	ilable. ilable. on 13. Dispo ccordance with lo tion 14. Tra gerous goods.	ocal, state, ar	nd federal r	egulations.		
12.4 12.5 13.1 14.1 D U 14.1	Potentia Mobility Results assessm Waste D LAND T OT Prope OT Hazaro N/NA Nun LAND T	I: in Soil: of PBT and vPvB nent: isposal Method: RANSPORT (US r Shipping Name d Class: nber:	No data avai No data avai Sectio Dispose in a Sect DOT): Not dang	ilable. ilable. on 13. Dispo ccordance with lo tion 14. Tra gerous goods.	ocal, state, ar	nd federal r	egulations.		
12.4 12.5 13.1 14.1 D U 14.1 A U	Potentia Mobility Results assessm Waste D LAND T OT Prope OT Hazard N/NA Nun LAND T DR/RID SI N Number	I: in Soil: of PBT and vPvB nent: isposal Method: RANSPORT (US r Shipping Name d Class: nber: RANSPORT (Euro hipping Name:	No data avai No data avai Sectio Dispose in a Sect DOT): Not dang	ilable. ilable. on 13. Dispo ccordance with lo tion 14. Tra gerous goods.	ocal, state, ar	nd federal r	egulations.		
12.4 12.5 13.1 14.1 D U 14.1 A U	Potentia Mobility Results assessm Waste D LAND T OT Prope OT Hazard N/NA Num LAND T DR/RID SI N Number azard Class	I: in Soil: of PBT and vPvB hent: isposal Method: isposal Method: RANSPORT (US r Shipping Name d Class: hber: RANSPORT (Eur hipping Name: r: ss:	No data avai No data avai Sectio Dispose in a Sect DOT): Not dang	ilable. ilable. on 13. Dispo ccordance with lo tion 14. Tra gerous goods.	ocal, state, ar	nd federal r	egulations.		
12.4 12.5 13.1 14.1 D U 14.1 A U H 14.3	Potentia Mobility Results assessm Waste D LAND T OT Prope OT Hazard N/NA Nun LAND T DR/RID SI N Number azard Clas AIR TRA	I: in Soil: of PBT and vPvB nent: isposal Method: RANSPORT (US r Shipping Name d Class: nber: RANSPORT (Euro hipping Name: r: ss: NSPORT (ICAO/	No data avai No data avai Sectio Dispose in a Sect DOT): : Not dang opean ADR/R Not dang	ilable. ilable. on 13. Dispo ccordance with lo tion 14. Tra gerous goods.	ocal, state, ar	nd federal r	egulations.		
12.4 12.5 13.1 14.1 D U 14.1 A U H 14.3 IC	Potentia Mobility Results assessm Waste D LAND T OT Prope OT Hazard N/NA Num LAND T DR/RID SI N Number azard Class AIR TRA CAO/IATA	I: in Soil: of PBT and vPvB hent: isposal Method: r Shipping Name d Class: hber: RANSPORT (US I hipping Name: r: ss: ANSPORT (ICAO/ Shipping Name:	No data avai No data avai Sectio Dispose in a Sect DOT): Not dang IATA): Not dang	ilable. ilable. on 13. Dispo ccordance with lo tion 14. Tra gerous goods. RID): gerous goods.	ocal, state, ar	nd federal r	egulations. ion		
D D U 14.1 A U H 14.3 IC Addit	Potentia Mobility Results assessm Waste D LAND T OT Prope OT Hazard N/NA Nun LAND T DR/RID SI N Number azard Clas AIR TRA	I: in Soil: of PBT and vPvB hent: isposal Method: r Shipping Name d Class: hber: RANSPORT (US I hipping Name: r: ss: ANSPORT (ICAO/ Shipping Name:	No data avai No data avai Sectio Dispose in a Sect DOT): Not dang IATA): Not dang	ilable. ilable. on 13. Dispo ccordance with lo tion 14. Tra gerous goods.	ocal, state, ar	nd federal r	egulations. ion		



Revision: 02/10/2015 Supersedes Revision: 04/02/2014

		Section 15. Regu	latory Informa	tion	
EPA SARA (S	uperfund Amendn	nents and Reauthorization Act	of 1986) Lists		
CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
NA	SEAP Substrate	(Luminescence)	No	No	No
26628-22-8	Sodium azide		Yes 500 LB	Yes 1000 LB	Yes
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or	State Lists	
NA	SEAP Substrate	(Luminescence)	CAA HAP,ODC: N PROP.65: No	o; CWA NPDES: No	; TSCA: No; CA
26628-22-8	Sodium azide		CAA HAP,ODC: N Inventory; CA PR	o; CWA NPDES: No OP.65: No	; TSCA: Yes -
Statement:		No.1272/2008.		1910.1200 and Regul	lation (EC)
Statement:		No.1272/2008. Section 16. Ot		-	ation (EC)
				-	lation (EC)
Statement: Revision Date Additional Info	: prmation About	Section 16. Ot		-	ation (EC)
Revision Date		Section 16. Ot		-	lation (EC)



SAFETY DATA SHEET Orexin 1 Receptor Reverse Transfection Strip Plate Revision: 07/10/2015

		acco	rding to Regulation (EC) No. 190	7/2006 as amended by	/ (EC) No. 1272/200	8		
		Section 1. Id	dentification of the Substar	nce/Mixture and of	the Company/Ur	ndertaking		
1.1	Product Product		600241 Orexin 1 Receptor Reve	rse Transfection Strip	o Plate			
1.2	Relevan	t identified uses of	the substance or mixture a	and uses advised ag	gainst:			
	Releva	ant identified uses:	For research use only, ne	ot for human or veter	rinary use.			
1.3	Details	of the Supplier of th	ne Safety Data Sheet:					
	Comp	any Name:	Cayman Chemical Comp 1180 E. Ellsworth Rd. Ann Arbor, MI 48108	bany				
	Web s	ite address:	www.caymanchem.com					
	Inform	nation:	Cayman Chemical Comp	bany	+1 (734	4)971-3335		
1.4	Emerge	ncy telephone num	ber:					
	Emerg	ency Contact:	CHEMTREC Within USA	and Canada:	+1 (80	0)424-9300		
			CHEMTREC Outside US	A and Canada:	+1 (703	3)527-3887		
			Section 2. Ha	zards Identific	cation			
2.1	Classifi	cation of the Substa	ance or Mixture:					
2.2	Label E	lements:						
	GHS S	ignal Word:	None					
	GHS I	Hazard Phrases:						
	Based	on evaluation of cur	rently available data this sub	stance or mixture is i	not classifiable ac	cording to GHS.		
	GHS F	Precaution Phrases:						
	No ph	rases apply.						
	GHS F	Response Phrases:						
	No ph	rases apply.						
		Storage and Dispos						
			or Storage and Section 13 for	-				
2.3			Material may be irritating to t			piratory tract.		
	Effects		May be harmful by inhalation May cause eye, skin, or resp	-	-			
						been thoroughly investigated.		
			on 3. Composition		-			
	: # /	1	onents (Chemical Name)/	Concentration	EC No./	GHS Classification		
	CS #	REACH Registration		Concentration	EC Index No.	GHS Classification		
NA			verse Transfection Strip Plate	100.0 %	NA	No data available.		
NA					NA			
		·			·	•		
1								



SAFETY DATA SHEET Page: 2 of Orexin 1 Receptor Reverse Transfection Strip Plate Revision: 07/10/2015

		Section	4. First Aid Measu	res		
4.1	Description of F	irst Aid				
	Measures:					
	In Case of Inhal	ation: Remove to fresh air. Get immediate medi	If not breathing, give artificial cal attention.	respiration or give oxyg	en by trained personnel.	
	In Case of Skin	Contact: Immediately wash sl clothing. Get medica	kin with soap and plenty of wat al attention if symptoms occur.			
	In Case of Eye C	0	nd flush eyes with plenty of wa	C C		
	In Case of Inges	tion: Wash out mouth with	n water provided person is cor . Get medical attention. Do NC		• •	
		Section 5	. Fire Fighting Mea	sures		
5.1	Suitable Exting		nt foam, carbon dioxide, water,			
	Media:	-	cool fire-exposed containers.			
	Unsuitable Extir	uguishing A solid water stream	n may be inefficient.			
	Media:		,			
5.2		erties andNo data available.				
	Hazards:					
		No data available.				
	Flash Pt:	No data.				
	Explosive Limits	LEL: No data.	UEL: No dat	ta.		
	Autoignition Pt:					
5.3		structions: As in any fire, wear	self-contained breathing appa	ratus pressure-demand	(NIOSH approved or	
5.5	i në i ighting int	-	protective gear to prevent con	-		
		Section 6. Ac	ccidental Release M	leasures		
6.1	Protective Preca	, ,	reathing dust, and provide ade	•		
	Protective Equip	oment and As conditions warra				
	Emergency Pro	cedures: and appropriate per	rsonal protection (rubber boots	s, safety goggles, and he	eavy rubber gloves).	
6.2	Environmental	Take steps to avoid	I release into the environment,	if safe to do so.		
	Precautions:					
6.3		terial For Contain spill and co				
	Containment an Up:	d Cleaning Transfer to a chemi	ical waste container for dispos	al in accordance with lo	cal regulations.	
		Section 7	. Handling and Sto	orage		
7.1						
7.0	in Handling:					
7.2		Be Taken Keep container tight	with information listed on the	product insert		
	in Storing:					
	F		ure Controls/Persor	nal Protection		
8.1	Exposure Param			1_		
CAS		Chemical Name	Britain EH40	France VL	Europe	
	NA Orexin ²	Receptor Reverse	No data.	No data.	No data.	
					Multi-region format	



SAFETY DATA SHEET Page: 3 of Orexin 1 Receptor Reverse Transfection Strip Plate Revision: 07/10/2015

		Transfection Strip	Plate					
CAS	#	Partial Chemical	Name	OSHA TWA	ACGIH TWA	Other Limits		
NA Orexin 1 Recept		Orexin 1 Recepto	r Reverse	No data.	No data.	No data.		
		Transfection Strip	Plate					
8.2	Exposu	re Controls:						
8.2.1				es, local exhaust ventil	ation, or other engineering co	ontrols to control airborn		
(Ventilation etc.):			levels below recomme	ended exposure limits.				
8.2.2	Person	al protection equi	pment:					
	Eye Pro	etection:	Safety glasses					
	Protect	ive Gloves:	Compatible chemical-	resistant gloves				
	Other P	rotective Clothing	g:Lab coat					
	Respira	tory Equipment	NIOSH approved resp	pirator, as conditions wa	arrant.			
	(Specify	у Туре):						
	Work/H	ygienic/Maintena	n Do not take internally.					
	ce Prac	tices:	Facilities storing or ut	ilizing this material shou	uld be equipped with an eyew	ash and a safety show		
			Wash thoroughly afte	r handling.				
			No data available.					
		S	ection 9. Phys	ical and Chemi	cal Properties			
9.1	Information							
9.1		-	sical and Chemical Pr [] Gas [-				
	-	al States:	Plate] Liquid [X] Solid				
		ance and Odor:	No data.					
	Melting		No data.					
	Boiling Flash P		No data.					
		ation Rate:	No data.					
	-	ability (solid, gas)		ble				
		ve Limits:	LEL: No data		UEL: No data.			
	-	Pressure (vs. Air o		•				
	Hg):							
		Density (vs. Air = ²	I): No data.					
	-	c Gravity (Water =	,					
	=	ty in Water:	No data.					
		-	No data.					
	-	nition Pt:	no uala.					
9.2		formation	N. 1.7					
	Percent	Volatile:	No data.					
			Section 10.	Stability and F	Reactivity			
10.1	Reactiv	ity:	No data available.					
10.2	Stability	y :	Unstable [] Stal	ole [X]				
10.3	Stability	y Note(s):	Stable if stored in acc	ordance with informatic	on listed on the product insert			
			Will occur [] Wil	ll not occur [X]				
10.4	Conditi	ons To Avoid:	No data available.					
10.5	Incomp	ncompatibility - Materials No data available.						
	To Avoi	-						
10.6	Hazardo		No data available.					
-		position or						
						Multi-region form		



SAFETY DATA SHEET Page: 4 of Orexin 1 Receptor Reverse Transfection Strip Plate Revision: 07/10/2015

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ימ					S.	

1.1 Information on The toxicological effects of this product have not been thoroughly studied.							
	Toxicol	ogical Effects:					
CAS	#	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA
	NA	Orexin 1 Recepto	r Reverse Transfection Strip Pla	ite n.a.	n.a.	n.a.	n.a.
			Section 12. Ecolo	ogical Informa	ation		
12.1	Toxicity	<i>/</i> :	Avoid release into the environn	nent.			
			Runoff from fire control or diluti	on water may cause	pollution.		
12.2	Persiste	ence and	No data available.				
	Degrada	ability:					
12.3		umulative	No data available.				
	Potentia						
12.4		/ in Soil:	No data available.				
12.5		of PBT and vPvB	No data available.				
10 0	assessr		No data available.				
12.6	Other a	dverse effects:					
			Section 13. Dispo				
13.1	Waste D	Disposal Method:	Dispose in accordance with loc	al, state, and federa	I regulations.		
			Section 14. Trar	sport Information	ation		
14.1	LAND 1	RANSPORT (US I	DOT):				
C	OT Prope	er Shipping Name:	Not dangerous goods.				
	OT Hazar						
ι	JN/NA Nui	mber:					
14.1	LAND 1	RANSPORT (Euro	opean ADR/RID):				
A	DR/RID S	Shipping Name:	Not dangerous goods.				
ι	JN Numbe	er:					
F	lazard Cla	ISS:					
14.3	AIR TR	ANSPORT (ICAO/I	ATA):				
10	CAO/IATA	Shipping Name:	Not dangerous goods.				
	tional Tra	nsport	Transport in accordance with le	ocal, state, and fede	ral regulations.		
Infor	mation:						
			Section 15. Regu	latory Inform	ation		
	•	uperfund Amendm	ents and Reauthorization Act	of 1986) Lists			
CAS			ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ		3 (TRI)
	NA	Orexin 1 Recepto Plate	r Reverse Transfection Strip	No	No	No	
		Hazardous Com	ponents (Chemical Name)	Other US EPA o	r State Lists		
CAS	#		r Reverse Transfection Strip	CAA HAP,ODC:			



SAFETY DATA SHEET Orexin 1 Receptor Reverse Transfection Strip Plate Revision: 07/10/2015

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:	07/10/2015					
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.					



Revision: 03/28/2015 Supersedes Revision: 05/26/2010

					S	Supersedes Revision: 05/26/2010			
		accore	ding to Regulation (EC) No. 190)7/2006 as amended b	oy (EC) No. 1272/200)8			
		Section 1. Id	entification of the Substar	nce/Mixture and of	the Company/U	ndertaking			
.1	Produc	t Code:	600242						
	Produc	t Name:	Orexin-A Positive Contro	I					
.2	Relevar	nt identified uses of t	he substance or mixture a	and uses advised a	against:				
	Relev	ant identified uses:	For research use only, ne	ot for human or vete	erinary use.				
.3	Details of the Supplier of the Safety Data Sheet:								
	Comp	any Name:	Cayman Chemical Comp 1180 E. Ellsworth Rd. Ann Arbor, MI 48108	bany					
	Web s	site address:	www.caymanchem.com						
	Inforn	nation:	Cayman Chemical Comp	bany	+1 (734	4)971-3335			
.4	Emerge	ency telephone numb	er:						
	Emerg	gency Contact:	CHEMTREC Within USA CHEMTREC Outside US		-	0)424-9300 3)527-3887			
			Section 2. Ha	zards Identifi	cation				
.1	Classifi	cation of the Substa	nce or Mixture:						
.1.1	Classif	ication according to	Regulation (EC) No 1272/2	2008 [CLP]:					
.2	Label E	lements:							
.2.1	Labelir	ng according to Regu	lation (EC) No 1272/2008	[CLP]:					
	GHS S	Signal Word:	None						
	GHS	Hazard Phrases:							
	Based on evaluation of currently available data this substance or mixture is not classifiable according to GHS.								
		HS Precaution Phrases:							
	No phrases apply.								
	GHS Response Phrases:								
	No phrases apply. GHS Storage and Disposal Phrases:								
			Storage and Section 13 for	Disposal informatio	n				
.3			-	-		spiratory tract.			
-		and Symptoms: May be harmful by inhalation, ingestion, or skin absorption.							
		May cause eye, skin, or respiratory system irritation.							
		Т	o the best of our knowledge	e, the toxicological p	properties have not	been thoroughly investigated.			
		Sectio	on 3. Composition	/Information	on Ingredie	nts			
CAS RTEC		Hazardous Compo REACH Registratio	nents (Chemical Name)/ n No.	Concentration	EC No./ EC Index No.	GHS Classification			
20564 NA	40-90-0	Orexin A		0.0 -0.1 %	NA NA	No data available.			
	3-46-8 46000	Bovine Serum Albumin	(BSA)	0.1 %	232-936-2 NA	Acute Tox.(O) 4: H302			
	7-14-5 25000	Sodium chloride		0.85 %	231-598-3 NA	No data available.			
	8-79-4 00000	Sodium phosphate, Dik	pasic	0.106 %	231-448-7 NA	Eye Damage 2: H319			



Revision: 03/28/2015

						Supersedes Revision: 05/26/2010			
	8-77-0 15500	Potassium phospha	te, Monobasic	0.03 %	231-913-4 NA	No data available.			
7732-18-5 Wa ZC0110000		Water		98.814 -98.914 %	231-791-2 NA	No data available.			
		·		·	•				
			Section 4. F	First Aid Measu	ures				
4.1	Descri	ption of First Aid	No data available.						
	Measu	res:							
	In Cas	e of Inhalation:	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel.						
	In Coo	a of Chin Contoot	Get immediate medical attention.						
	in Cas	e 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 Cas	e 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 Cas	e 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.						
				e Fighting Mea					
5.1	Suitab Media:	le Extinguishing	Use alcohol-resistant foam		r, or dry chemic	al spray.			
			Use water spray to cool fire	-					
	Media:	Unsuitable Extinguishing A solid water stream may be inefficient. Media:							
5.2	Flamm	able Properties an	dEmits toxic fumes under fir	e conditions.					
	Hazaro	Hazards:							
	Flash	Pt:	No data.						
	Explosive Limits: LEL: No data. UEL: No data.								
5.0	-	nition Pt:	No data.	anta in a dhua ath in a sao a					
5.3	Fire Fi	ghting instructions	s: As in any fire, wear self-co equivalent), and full protec	0 11	•	demand (NIOSH approved or and eyes.			
			Section 6. Accide	ental Release N	Measures				
6.1		tive Precautions,	Avoid breathing vapors ar						
						reathing apparatus, or respirator,			
6.2	-	ency Procedures: nmental	and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves). Take steps to avoid release into the environment, if safe to do so.						
0.2	Precau		Take steps to avoid releas			J.			
6.3	Metho	Methods and Material For Contain spill and collect, as appropriate.							
	Contai	nment and Cleanir	${f g}$ Transfer to a chemical waste container for disposal in accordance with local regulations.						
	Up:	Up:							
			Section 7. Ha	andling and Sto	orage				
7.1	Precau	itions To Be Taker	Avoid breathing dust/fume	/gas/mist/vapours/spra	ıy.				
	in Handling: Avoid prolonged or repeated exposure.								
7.2			Keep container tightly clos		nrod				
	in Storing: Store in accordance with information listed on the product insert.								
						Multi-region format			



ayman	0	rexin-A Positive		Revision: 03/28/2015 edes Revision: 05/26/2010
	Section 8. Expos	sure Controls/Pe	rsonal Protection	
.1 Exposu	re Parameters:			
CAS #	Partial Chemical Name	Britain EH40	France VL	Europe
205640-90-0	Orexin A	No data.	No data.	No data.
9048-46-8	Bovine Serum Albumin (BSA)	No data.	No data.	No data.
7647-14-5	Sodium chloride	No data.	No data.	No data.
7558-79-4	Sodium phosphate, Dibasic	No data.	No data.	No data.
7778-77-0	Potassium phosphate, Monobasic	No data.	No data.	No data.
7732-18-5	Water	No data.	No data.	No data.
CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
205640-90-0	Orexin A	No data.	No data.	No data.
9048-46-8	Bovine Serum Albumin (BSA)	No data.	No data.	No data.
7647-14-5	Sodium chloride	No data.	No data.	No data.
7558-79-4	Sodium phosphate, Dibasic	No data.	No data.	No data.
7778-77-0	Potassium phosphate, Monobasic	No data.	No data.	No data.
7732-18-5	Water	No data.	No data.	No data.
Respira (Specif	shower. Wash thoroughly a	Ily. utilizing this material sho	arrant. uld be equipped with an eyev	wash facility and a safe
	No data available.	vaiced and Cham	ical Drapartica	
	•	vsical and Chem	ical Properties	
Physica Appear Melting Boiling Flash P Evapor Explosi	Point: No data.	[X]Liquid []Solid	UEL: No data.	
	Density (vs. Air = 1): No data.			



	Revision:	03/28/2015
Supersedes	Revision:	05/26/2010

							•		
	-	Gravity (Water =	-						
	Solubility in Water:		No d	ata.					
	Autoign	ition Pt:	No d	ata.					
9.2	Other Inf	ormation							
	Percent	Volatile:	No d	ata.					
			Secti	on 10. Stability and	d Reacti	vity			
10.1	Reactivi	ty:	No data ava	ilable.					
10.2	Stability	:	Unstable [] Stable [X]						
10.3	Stability	Note(s):	Stable if stor	red in accordance with inform	nation listed of	on the product	insert.		
	Polymer	ization:	Will occur [] Will not occur [X]					
10.4	Conditio	ons To Avoid:	No data ava	ilable.					
10.5	Incompa	atibility - Materials	No data ava	ilable.					
	To Avoi	d:							
10.6	Hazardo	us	No data ava	ilable.					
	Decomp	osition Or							
	Byprodu	icts:							
			Sectio	n 11. Toxicologica	l Informa	ation			
11.1	Informat	ion on	The toxicolo	gical effects of this product h	ave not beer	n thoroughly st	udied.		
	Toxicolo	gical Effects:							
Carcii	nogenicity	/:	NTP? No	IARC Monographs? No	OSHA Re	egulated? No			
CAS	#	Hazardous Com	ponents (Ch	emical Name)	NTP	IARC	ACGIH	OSHA	
2056	40-90-0	Orexin A			n.a.	n.a.	n.a.	n.a.	
904	8-46-8	Bovine Serum Alt	rum Albumin (BSA)			n.a.	n.a.	n.a.	
764	7-14-5	Sodium chloride			n.a.	n.a.	n.a.	n.a.	
755	8-79-4	Sodium phosphat	te, Dibasic		n.a.	n.a.	n.a.	n.a.	
777	8-77-0	Potassium phosp	phosphate, Monobasic			n.a.	n.a.	n.a.	
773	2-18-5	Water			n.a.	n.a.	n.a.	n.a.	
		ļ	Sect	ion 12. Ecological	 Informat	ion			
12.1	Toxicity	:		e into the environment.		-			
	,		Runoff from fire control or dilution water may cause pollution.						
12.2	12.2 Persistence and		No data available.						
	Degrada	bility:							
12.3	Bioaccu	mulative	No data ava	ilable.					
	Potentia	l:							
12.4 Mobility in Soil:		No data available.							
12.5	_								
	assessment:								
12.6	Other ac	lverse effects:	No data ava	ilable.					



Revision: 03/28/2015 Supersedes Revision: 05/26/2010

	Section 13. Dispo	osal Considera	ations	
13.1 Waste	Disposal Method: Dispose in accordance with lo	ocal, state, and federa	al regulations.	
	Section 14. Tra	nsport Inform	ation	
14.1 LAND	TRANSPORT (US DOT):			
DOT Prop	er Shipping Name: Not dangerous goods.			
DOT Haza	rd Class:			
UN/NA Nu	mber:			
	TRANSPORT (European ADR/RID):			
	Shipping Name: Not dangerous goods.			
UN Numbe Hazard Cla				
	ANSPORT (ICAO/IATA):			
	A Shipping Name: Not dangerous goods.			
Additional Tra		local, state, and fede	eral regulations.	
Information:	· · · · · · · · · · · · · · · · · · ·		-	
	Section 15. Reg	ulatory Inform	ation	
EPA SARA (S	uperfund Amendments and Reauthorization Ac	,		
CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
205640-90-0	Orexin A	No	No	No
9048-46-8	Bovine Serum Albumin (BSA)	No	No	No
7647-14-5	Sodium chloride	No	No	No
7558-79-4	Sodium phosphate, Dibasic	No	Yes 5000 LB	No
7778-77-0	Potassium phosphate, Monobasic	No	No	No
7732-18-5	Water	No	No	No
CAS #	Hazardous Components (Chemical Name)	Other US EPA o	or State Lists	
205640-90-0	Orexin A	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No		
9048-46-8	Bovine Serum Albumin (BSA)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No		
7647-14-5	Sodium chloride	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No		
7558-79-4	Sodium phosphate, Dibasic	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No		
	Potassium phosphate, Monobasic	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No		
7778-77-0		, , ,		



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Cayman	Supersedes Revision: 05/26/2015						
Regulatory Information Statement:	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.						
Section 16. Other Information							
Revision Date: 03/28/2015							
Additional Information About This Product:	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.						

Product Information



A Safety Data Sheet (SDS) on this material is not required as it is non-hazardous. However, we do recommend the following minimum precautions when using this item:

- Store at correct temperature.
- Dispose of by in accordance with federal, state, and local regulations.
- Wash thoroughly after handling.

WARNING:

This product is not intended or approved for human or veterinary use.

The above information is believed to be correct but should only be used as a guide. Cayman Chemical disclaims any express or implied warranty as to the accuracy of the above information and shall not be held liable for any direct, incidental, or consequential damages resulting from reliance on the above information.

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