

Revision: Supersedes Revision:	05/07/2016 02/01/2016
1272/2008	
pany/Undertaking	

	accord	ling to Regulation (EC) No. 1907/2006 as amended by	y (EC) No. 1272/2008					
	Section 1. Ide	entification of the Substance/Mixture and of	the Company/Undertaking					
1.1	Product Code: Product Name: Synonyms:	18871 C-6 NBD 6-[(7-nitro-2,1,3-benzoxadiazol-4-yl)amino]-he 6-(7-Nitrobenzofurazan-4-ylamino)hexanoic A						
1.2		he substance or mixture and uses advised a	-					
	Relevant identified uses: For research use only, not for human or veterinary use.							
1.3	Details of the Supplier of the	e Safety Data Sheet:						
	Company Name:	Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108						
	Web site address:	www.caymanchem.com						
	Information:	Cayman Chemical Company	+1 (734)971-3335					
1.4	Emergency telephone numb							
	Emergency Contact:	CHEMTREC Within USA and Canada: CHEMTREC Outside USA and Canada:	+1 (800)424-9300 +1 (703)527-3887					
		Section 2. Hazards Identific	cation					
2.2	Label Elements:	gory 3 gory 3 Category 2 rritation, Category 2 icity (single exposure), Category 3						
	GHS Signal Word: GHS Hazard Phrases:	Danger						
	P264: Wash {hands} thoroug P280: Wear {protective glove GHS Response Phrases: P301+310: IF SWALLOWED	ritation. y irritation. /fume/gas/mist/vapors/spray}.						
			Multi-region for					



(9			C-6 NBD		Devision (
Cay	man				:	Revision: 0 Supersedes Revision: 0		
	P304+	-340: IF INHALED:	Remove victim to fresh air and	keep at rest in a po	sition comfortable	e for breathing.		
	P305+	-351+338: IF IN EY	ES: Rinse cautiously with wate	er for several minutes	s. Remove contac	ct lenses, if present a	nd easy	
	to do.	Continue rinsing.						
	P311:	Call a POISON CE	NTER or doctor/physician.					
	P321:	Specific treatment	{see on this label}.					
	P330:	Rinse mouth.						
	P332+	-313: If skin irritatio						
	P337+	-313: If eye irritatior						
	P361+	-364: Take off imme	ediately all contaminated clothi	ng and wash it befor	e reuse.			
	P362+	-364: Take off conta	aminated clothing and wash it l	before reuse.				
	GHS S	Storage and Dispo	sal Phrases:					
	Please	e refer to Section 7	for Storage and Section 13 for	Disposal information	า.			
2.3	Advers	e Human Health	Causes serious eye irritation					
	Effects	and Symptoms:	Causes skin irritation.					
		<i>,</i> ,	Material may be irritating to t	he mucous membrar	nes and upper res	spiratory tract.		
			May cause respiratory syster	n irritation.				
			Toxic if inhaled, swallowed, o	or in contact with skir	۱.			
			To the best of our knowledge	e, the toxicological pr	operties have not	t been thoroughly inve	estigated.	
		Sec	tion 3. Composition	/Information (on Ingredie	nts		
		1	-	1	-	1		
CAS RTEC		REACH Registra	oonents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	GHS Classification	1	
	35-25-0		an-4-ylamino)hexanoic acid	100.0 %	NA	Acute Tox.(O) 3: H3	301	
NA			, , , , , , , , , , , , , , , , , , , ,		NA	Acute Tox.(D) 3: H3		
						Skin Corr. 2: H315		
						Eye Damage 2: H3	19	
						Acute Tox.(I) 3: H33	31	
						STOT (SE) 3: H335		
			Section 4. Fi	rst Aid Measu	ires			
4.1	Descrir	ntion of First Aid						
	Description of First Aid Measures:							
			athing give artificial	I readiration or give	a average by trained	noroonnol		
	III Case		Remove to fresh air. If not bre Get immediate medical attent		r respiration of give	ve oxygen by trained	personnei.	
	In Case	of Skin Contact			tor for at least 15	- minutos Pomovo o	ntominotor	
	in Case	of Skin Contact:	Immediately wash skin with s				naminateo	
	In 0		clothing. Get medical attentio		-			
	In Case	of Eye Contact:	Hold eyelids apart and flush e		ater for at least 1	o minutes. Have eyes	examined	
			and tested by medical persor					
1	In Case	of Ingestion:	Wash out mouth with water p	rovided person is co	nscious. Never gi	ive anything by mouth	n to an	

unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.



Revision: 05/07/2016 Supersedes Revision: 02/01/2016

			Section 5.	Fire Fighting N	vieasures				
5.1	Suitable Extinguishing Use alcohol-resistant			foam, carbon dioxide,	water, or dry chemical spray.				
	Media:	edia: Use water spray to cool fire-exposed containers.							
	Unsuita Media:	uitable Extinguishing A solid water stream may be inefficient. lia:							
5.2	Flamma	Flammable Properties and No data available.							
	Hazard	Hazards:							
			No data available.						
	Flash P	't:	No data.						
	Explosive Limits: LEL: No data. UEL: No data.								
	Autoig	nition Pt:	No data.						
5.3	Fire Fig	hting Instructions	-	-	apparatus pressure-demand nt contact with skin and eyes				
			Section 6. Ac	cidental Releas	se Measures				
6.1	Protect	ive Precautions,	Avoid raising and bre	eathing dust, and provid	de adequate ventilation.				
	Protect	ive Equipment and	As conditions warran	nt, wear a NIOSH appro	oved self-contained breathing	apparatus, or respirator,			
	Emerge	ency Procedures:	and appropriate pers	onal protection (rubber	boots, safety goggles, and h	eavy rubber gloves).			
6.2	Enviror	nmental	Take steps to avoid r	release into the environ	ment, if safe to do so.				
	Precau	tions:							
6.3	Method	s and Material For	Contain spill and coll	ect, as appropriate.					
Containment and CleaningTransfer to a chemical waste container for disposal in accordance with local reg						ocal regulations.			
	Up:								
			Section 7.	Handling and	Storage				
7.1	Precau	tions To Be Taken	Avoid breathing dust/	fume/gas/mist/vapours/	/spray.				
	in Hanc	lling:	Avoid prolonged or re	epeated exposure.					
7.2	Precau	tions To Be Taken	Keep container tightly	/ closed.					
	in Stori	ng:	Store in accordance v	with information listed o	on the product insert.				
		Sect	ion 8. Exposu	re Controls/Pe	rsonal Protection				
8.1	Exposu	re Parameters:							
CAS	#	Partial Chemical	Name	Britain EH40	France VL	Europe			
000	35-25-0	6-(7-Nirobenzofura noic acid	azan-4-ylamino)hexa	No data.	No data.	No data.			
002									
CAS	#	Partial Chemical	Name	OSHA TWA	ACGIH TWA	Other Limits			



8.2	Exposure Controls:							
8.2.1	Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control air	borne					
	(Ventilation etc.):	levels below recommended exposure limits.						
8.2.2	Personal protection equipment:							
	Eye Protection:	Safety glasses						
	Protective Gloves:	Compatible chemical-resistant gloves	atible chemical-resistant gloves					
	Other Protective Clothing:Lab coat							
	Respiratory Equipment	H 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 sl	ties storing or utilizing this material should be equipped with an eyewash and a safety shower.					
		Wash thoroughly after handling.						
		No data available.						
	ç	Section 9. Physical and Chemical Properties						
9.1	Information on Basic Phy	ysical and Chemical Properties						
	Physical States:	[]Gas []Liquid [X]Solid						
	Appearance and Odor:	solid						
	Melting Point:	No data.						
	Boiling Point:	No data.						
	Flash Pt:	No data.						
	Evaporation Rate:	No data.						
	Flammability (solid, gas	No data available. LEL: No data. UEL: No data.						
	Explosive Limits:							
	Vapor Pressure (vs. Air	No data.						
	Hg):							
	Vapor Density (vs. Air =	No data. No data. No data. Soluble in: DMSO;						
	Specific Gravity (Water							
	Solubility in Water:							
	Solubility Notes:							
	Autoignition Pt:	No data.	No data.					
9.2	Other Information							
	Percent Volatile:	No data.						
	Molecular Formula & We	eight: C12H14N4O5 294.3						
		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:	protect from light and moisture						
10.5	Incompatibility - Materia	Is strong oxidizing agents	-					
	To Avoid:							
10.6	Hazardous	No data available.						
	Decomposition or							
	Byproducts:							
		Multi-region	forma					



Multi-region format

Revision: 05/07/2016 Supersedes Revision: 02/01/2016

1.1	Information on Toxicological E		The toxicologica	l effects of this pro	oduct have not been the	oroughly stu	udied.		
CAS	# Hazaro	dous Comp	onents (Chemic	cal Name)	NTP	IARC	ACGIH	OSHA	
8823	5-25-0 6-(7-N	irobenzofura	zan-4-ylamino)h	exanoic acid	n.a.	n.a.	n.a.	n.a.	
			Section	12. Ecolog	ical Informatior	ו			
12.1	Toxicity:	ŀ	Avoid release int	to the environmen	t.				
			Runoff from fire control or dilution water may cause pollution.						
12.2	Persistence and	1 k	No data available	е.					
	Degradability:								
12.3	Bioaccumulativ	e l	No data available	е.					
	Potential:								
12.4	Mobility in Soil:	1	No data available	е.					
12.5	Results of PBT	and vPvB	No data availabl	e.					
	assessment:								
12.6	Other adverse e	effects:	No data availabl	e.					
			Section 2	13. Disposa	I Consideratior	าร			
13.1	Waste Disposal	Method:		-	state, and federal regu				
			Section	14 Transi	oort Information	 ו			
14.1		-	-						
	OT Proper Shipp	-		-	IBD-Aminohexanoic ac	id)			
	OT Hazard Class N/NA Number:	:	6.1 UN2811	POISON	Packing Group:		111		
			POISON 6	>					
14.1	LAND TRANSP	ORT (Europ	6	>					
	LAND TRANSP DR/RID Shipping		bean ADR/RID):		IBD-Aminohexanoic ac	id)			
Α			bean ADR/RID):		IBD-Aminohexanoic ac Packing Group:	id)	111		
A U	DR/RID Shipping		bean ADR/RID): Toxic solids,	, organic, n.o.s. (N		id)	111		
A U	DR/RID Shipping N Number:	Name:	bean ADR/RID): Toxic solids, 2811 6.1 - POISO	, organic, n.o.s. (N		id)	111		
Al Ul Ha 14.3	DR/RID Shipping N Number: azard Class:	Name: RT (ICAO/IA	bean ADR/RID): Toxic solids, 2811 6.1 - POISO TA):	, organic, n.o.s. (N N			III		
Al Ul Ha 14.3 IC	DR/RID Shipping N Number: azard Class: AIR TRANSPOI	Name: RT (ICAO/IA	bean ADR/RID): Toxic solids, 2811 6.1 - POISO TA):	, organic, n.o.s. (N N	Packing Group:				
A U Ha 14.3 IC U	DR/RID Shipping N Number: azard Class: AIR TRANSPOI AO/IATA Shippin	Name: RT (ICAO/IA	bean ADR/RID): Toxic solids, 2811 6.1 - POISO TA): Toxic solids,	, organic, n.o.s. (N N , organic, n.o.s. (N	Packing Group: IBD-Aminohexanoic ac	id)			
Al Ul Ha 14.3 IC Ul Ha	DR/RID Shipping N Number: azard Class: AIR TRANSPOI AO/IATA Shippin N Number: azard Class:	Name: RT (ICAO/IA ng Name:	bean ADR/RID): Toxic solids, 2811 6.1 - POISO TA): Toxic solids, 2811 6.1 - POISO	, organic, n.o.s. (N N , organic, n.o.s. (N N	Packing Group: IBD-Aminohexanoic ac Packing Group: IATA Classificati	id) on:			
Al Ul 14.3 IC Ul Ha Addit	DR/RID Shipping N Number: azard Class: AIR TRANSPOI AO/IATA Shippin N Number:	Name: RT (ICAO/IA ng Name:	bean ADR/RID): Toxic solids, 2811 6.1 - POISO TA): Toxic solids, 2811 6.1 - POISO Transport in acc	, organic, n.o.s. (N N , organic, n.o.s. (N N ordance with loca	Packing Group: IBD-Aminohexanoic ac Packing Group:	id) on: gulations.	III 6.1	antity Code	
Al Ul 14.3 IC Ul Ha Addit	DR/RID Shipping N Number: azard Class: AIR TRANSPOI AO/IATA Shippin N Number: azard Class: ional Transport	Name: RT (ICAO/IA ng Name:	bean ADR/RID): Toxic solids, 2811 6.1 - POISO TA): Toxic solids, 2811 6.1 - POISO Transport in acc When sold in qu	, organic, n.o.s. (N N , organic, n.o.s. (N N ordance with loca antities of less tha	Packing Group: IBD-Aminohexanoic ac Packing Group: IATA Classificati I, state, and federal reg	id) on: gulations. 1 g, with ar	III 6.1 n Excepted Qu	-	



Revision: 05/07/2016 Supersedes Revision: 02/01/2016

		Section 15. Regul			
EPA SARA (S	uperfund Amendm	nents and Reauthorization Act of	of 1986) Lists		
CAS #		ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
88235-25-0	6-(7-Nirobenzofu	razan-4-ylamino)hexanoic acid	No	No	No
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA o	r State Lists	
88235-25-0 6-(7-Nirobenzofurazan-4-ylamino)hexanoic acid			CAA HAP,ODC: PROP.65: No	No; CWA NPDES	: No; TSCA: No; CA
Regulatory Inf Statement:	ormation	This SDS was prepared in acco No.1272/2008.	rdance with 29 CFF	R 1910.1200 and R	egulation (EC)
		Section 16. Oth	ner Informatio	on	
Revision Date:	:	05/07/2016			
Additional Info	ormation About	No data available.			
This Product:					