

Revision: 05/21/2018

			entification of the Substan				
.1	Product Code: Product Name:		21610				
	Synony		Butabindide (oxalate)				
	Synony		monoethanedioate;	I-oxobutyl)-N-butyl-2,3-dihydro-1H-indole-2-carboxamide,			
.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.						
.3	Details of the Supplier of the Safety Data Sheet:						
	Comp	any Name:	Cayman Chemical Comp	pany			
			1180 E. Ellsworth Rd.				
			Ann Arbor, MI 48108				
		ite address:	www.caymanchem.com				
	Inform	nation:	Cayman Chemical Comp	pany	+1 (73	4)971-3335	
.4	-	ency telephone numb					
	Emerg	gency Contact:	CHEMTREC Within USA			00)424-9300	
			CHEMTREC Outside US	A and Canada:	+1 (70)3)527-3887	
			Section 2. Haz	zards Identifi	cation		
2.1	Classifi	cation of the Substar		zards Identifi	cation		
		cation of the Substar lements:		zards Identifi	cation		
	Label E			zards Identifi	cation		
	Label E GHS S	lements:	nce or Mixture:	zards Identifi	cation		
	Label E GHS S GHS I	lements: Signal Word: Hazard Phrases:	nce or Mixture:			ccording to GHS.	
	Label E GHS S GHS I Based	lements: Signal Word: Hazard Phrases:	nce or Mixture: None			ccording to GHS.	
	Label E GHS S GHS I Based GHS I	lements: Signal Word: Hazard Phrases: I on evaluation of curre Precaution Phrases:	nce or Mixture: None			ccording to GHS.	
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	Label E GHS S GHS I Based GHS I No ph GHS I	lements: Signal Word: Hazard Phrases: I on evaluation of curre Precaution Phrases: rases apply. Response Phrases:	nce or Mixture: None			ccording to GHS.	
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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 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 Media:	g A solid water stream may be inefficient.
5.2	Flammable Properties ar Hazards:	IdNo data available.
		No data available.
	Flash Pt:	No data.
	Explosive Limits:	LEL: No data. UEL: No data.
	Autoignition Pt:	No data.
5.3	Fire Fighting Instruction	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	Methods and Material Fo	r Contain spill and collect, as appropriate.
	Containment and Cleanin	hgTransfer to a chemical waste container for disposal in accordance with local regulations.
	Up:	
		Section 7. Handling and Storage
7.1	Precautions To Be Taker	Avoid breathing dust/fume/gas/mist/vapours/spray.
	in Handling:	Avoid prolonged or repeated exposure.
7.2	Precautions To Be Taker	Keep container tightly closed.
	in Storing:	Store in accordance with information listed on the product insert.
	Sec	tion 8. Exposure Controls/Personal Protection
8.1	Exposure Parameters:	

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	HEMICAL						
8.2	Exposure Controls:						
8.2.1	Engineering Controls	Jse process enclosures, local exhaust ventilation, or other engineering controls to control airborne					
	(Ventilation etc.):	evels below recommended exposure limits.					
8.2.2	Personal protection equipr	nent:					
	Eye Protection:	Safety glasses					
	Protective Gloves:	Compatible 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 shower					
	l l	Nash thoroughly after handling.					
	1	No data available.					
	Se	ction 9. Physical and Chemical Properties					
9.1	Information on Basic Physic	cal and Chemical Properties					
	Physical States:	[]Gas []Liquid [X]Solid					
	Appearance and Odor:	A crystalline 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)						
	Solubility in Water:	No data.					
	Solubility Notes:	~0.1 mg/ml in a 1:9 solution of DMF:PBS (pH 7.2); ~1.6 mg/ml in DMF;					
	Octanol/Water Partition Coefficient:	No data.					
	Autoignition Pt:	No data.					
	Decomposition Temperatu	re: No data.					
	Viscosity:	No data.					
9.2	Other Information						
	Percent Volatile:	No data.					
	Molecular Formula & Weigl	ht: C17H25N3O2 • C2H2O4 393.4					

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			Section 10. Stability and	1100001				
10.1	-							
10.2	Stability: Unstable [] Stable [X]							
10.3	Stability	Note(s):	Stable if stored in accordance with information listed on the product insert.					
	Polymer	ization:	Will occur [] Will not occur [X]					
10.4	Conditio	ns To Avoid:	No data available.					
10.5								
	To Avoid							
10.6	Hazardous Decomposition or		carbon dioxide					
			carbon monoxide nitrogen oxides					
	Byprodu	cts:						
			Section 11. Toxicological	Informa	ation			
11.1	Informat		The toxicological effects of this product ha	ive not beei	n thoroughly st	udied.		
	Toxicolo	gical Effects:						
CAS #	#	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
1852^{-1}	40.00.0						_	
	13-03-0	Butabindide (oxal	ate)	n.a.	n.a.	n.a.	n.a.	
	13-03-0	Butabindide (oxal	^{ate)} Section 12. Ecological I			n.a.	n.a.	
12.1	Toxicity:		·			n.a.	n.a.	
			Section 12. Ecological I	nformat	ion	n.a.	n.a.	
			Section 12. Ecological I Avoid release into the environment.	nformat	ion	n.a.	n.a.	
12.1	Toxicity	nce and	Section 12. Ecological I Avoid release into the environment. Runoff from fire control or dilution water m	nformat	ion	n.a.	n.a.	
12.1	Toxicity: Persiste	nce and bility:	Section 12. Ecological I Avoid release into the environment. Runoff from fire control or dilution water m	nformat	ion	n.a.	n.a.	
12.1 12.2	Toxicity: Persiste Degrada	nce and bility: mulative	Section 12. Ecological In Avoid release into the environment. Runoff from fire control or dilution water m No data available.	nformat	ion	n.a.	n.a.	
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14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name:

: Not dangerous goods. Transport in accordance with local, state, and federal regulations.

Additional Transport Information:

Section 15. Regulatory Information

CAS #	Hazardous Components (Chemical Name)		S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
185213-03-0	Butabindide (oxalate)		No	No	No	
CAS #	Hazardous Components (Chemical Name)		Other US EPA o	r State Lists	•	
185213-03-0	Butabindide (oxalate)		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
Regulatory Infe Statement:	ormation	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.				
		Section 16. Oth	ner Informatio	on		
Revision Date:		05/21/2018				
Additional Information About This Product:		No data available.				
		DISCLAIMER: This information currently available to us. Howev express or implied, with respect use. Users should make their of their particular purposes.	ver, we make no wa to such information	rranty of merchanta n, and we assume r	ability or any other warranty no liability resulting from its	