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			entification of the Substance/Mixture and of t	ne Company/U		
	Duadaat			ine company/or	ndertaking	
.1	Product Product		25178 Nuclear Yellow			
	Synony		4-[5-(4-methyl-1-piperazinyl)[2,5'-bi-1H-benzir	midazoll-2'-yll-bei	nzenesulfonamide	
	Cynony		trihydrochloride; Hoechst S769121;			
.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:				
	Comp	any Name:	Cayman Chemical Company 1180 E. Ellsworth Rd.			
			Ann Arbor, MI 48108			
	Web s	ite address:	www.caymanchem.com			
	Inform		Cayman Chemical Company	+1 (73-	4)971-3335	
.4	Emergency telephone number:					
	-	Jency Contact:	CHEMTREC Within USA and Canada:	+1 (80	0)424-9300	
			CHEMTREC Outside USA and Canada:	+1 (70	3)527-3887	
			Section 2. Hazards Identific	ation		
2.1	Classifi	cation of the Substar	nce or Mixture:			
		cation of the Substar ements:	nce or Mixture:			
	Label E		nce or Mixture: None			
	Label E GHS S	ements:				
	Label E GHS S GHS H	ements: Signal Word: Hazard Phrases:		not classifiable ac	cording to GHS.	
	Label El GHS S GHS H Based	ements: Signal Word: Hazard Phrases:	None	not classifiable ac	ccording to GHS.	
	Label E GHS S GHS H Based GHS H	lements: Signal Word: Hazard Phrases: on evaluation of curre	None	not classifiable ac	cording to GHS.	
2.1 2.2	Label E GHS S GHS H Based GHS H No ph	ements: Signal Word: Hazard Phrases: on evaluation of curre Precaution Phrases:	None	not classifiable ac	cording to GHS.	
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	Label E GHS S GHS H Based GHS F No ph GHS S	lements: Signal Word: Hazard Phrases: on evaluation of curre Precaution Phrases: rases apply. Response Phrases: rases apply. Storage and Disposal	None ently available data this substance or mixture is r		cording to GHS.	
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2.2	Label El GHS S GHS H Based GHS H No ph GHS S Please Advers Effects	lements: Signal Word: Hazard Phrases: on evaluation of curre Precaution Phrases: rases apply. Response Phrases: rases apply. Storage and Disposal e refer to Section 7 for e Human Health M and Symptoms: M The Sectio	None ently available data this substance or mixture is r I Phrases: Storage and Section 13 for Disposal information laterial may be irritating to the mucous membran lay be harmful by inhalation, ingestion, or skin ak lay cause eye, skin, or respiratory system irritation o the best of our knowledge, the toxicological pro- n 3. Composition/Information c	n. nes and upper res osorption. on. operties have not	spiratory tract. been thoroughly investigated	
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Multi-region format



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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 personne Get immediate medical attention.		
	In Case of Skin Contact:	Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminat 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:	1dNo 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 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 breathing vapors and provide adequate ventilation.		
	Protective Equipment an	d As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirato		
	Emergency Procedures:	and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).		
6.2	Environmental	Take steps to avoid release into the environment, if safe to do so.		
	Precautions:			
6.3		r Contain spill and collect, as appropriate.		
	Containment and Cleanin	ngTransfer to a chemical waste container for disposal in accordance with local regulations.		
	Up:			
		Section 7. Handling and Storage		
7.1	Precautions To Be Taker	n Avoid breathing dust/fume/gas/mist/vapours/spray.		
	in Handling:	Avoid prolonged or repeated exposure.		
7.2	Precautions To Be Taker	n 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:			

Multi-region format



8.2	8.2 Exposure Controls:				
8.2.1	Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne			
	(Ventilation etc.):	evels below recommended exposure limits.			
8.2.2	Personal protection equipment:				
	Eye Protection:	Safety glasses Compatible chemical-resistant gloves			
	Protective Gloves:				
	Other Protective Clothing:Lab coat				
	Respiratory Equipment	nt 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			
	l.	Wash thoroughly after handling.			
	I	No data available.			
	Se	ction 9. Physical and Chemical Properties			
9.1		cal and Chemical Properties			
3.1	Physical States:	[]Gas []Liquid [X]Solid			
	Appearance and Odor:	A powder			
	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				
	Hg):				
	Vapor Density (vs. Air = 1):	No data.			
	Specific Gravity (Water = 1				
	Solubility in Water:	No data.			
	Solubility Notes:	Soluble in: DMSO;			
	Octanol/Water Partition	No data.			
	Coefficient:				
	Autoignition Pt:	No data.			
	Decomposition Temperatu	re: No data.			
	Viscosity:	No data.			
9.2	Other Information				
	Percent Volatile:	No data.			
	Molecular Formula & Weig				

Multi-region format



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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 strong acids To Avoid: strong bases To Avoid: strong bases strong oxidizing agents 10.6 Hazardous No data available. Decomposition or Byproducts: Violata available.						
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strong reducing agents 10.6 Hazardous No data available. Decomposition or Byproducts:						
10.6 Hazardous No data available. Decomposition or Byproducts:						
Decomposition or Byproducts:						
Byproducts:	No data available.					
Section 11. Toxicological Information						
11.1 Information on The toxicological effects of this product have not been thoroughly studied.						
Toxicological Effects:						
Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No						
CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH	OSHA					
74681-68-8 Nuclear Yellow n.a. n.a. n.a.	n.a.					
Section 12. Ecological Information						
12.1 Toxicity: Avoid release into the environment.						
Runoff from fire control or dilution water may cause pollution.						
12.2 Persistence and No data available.						
Degradability:						
12.3 Bioaccumulative No data available.						
Potential:						
12.4 Mobility in Soil: No data available.						
2.5 Results of PBT and vPvB No data available.						
assessment:						
12.6 Other adverse effects: No data available.						
Section 13. Disposal Considerations						
13.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.						
Section 14. Transport Information						
14.1 LAND TRANSPORT (US DOT):						
DOT Proper Shipping Name: Not dangerous goods. DOT Hazard Class:						
UN/NA Number:						
14.1 LAND TRANSPORT (European ADR/RID):						
ADR/RID Shipping Name: Not dangerous goods.						
ADR/RID Shipping Name: Not dangerous goods. UN Number:						
UN Number:						
UN Number:						

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Cayman	

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name:

Transport in accordance with local, state, and federal regulations.

Not dangerous goods.

Information:

Additional Transport

Section 15. Regulatory Information

CAS # Hazardous Com		ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
74681-68-8	Nuclear Yellow		No	No	No
CAS #	Hazardous Components (Chemical Nan		Other US EPA or State Lists		
74681-68-8	Nuclear Yellow		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. Ot	her Informatio	on	
Revision Date:		09/14/2018			
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.			