

		Section 1.	dentification of the Substand	ce/ivilxture and of	the Company/	Undertaking
		000000000000000000000000000000000000000				-
1.1	Product		22930			
	Product		BTZ043			
	Synony	ms:	2-[(2S)-2-methyl-1,4-dioxa n-4-one; PBTZ169;	a-8-azaspiro[4.5]de	ec-8-yl]-8-nitro-6	-(trifluoromethyl)-4H-1,3-benzot
1.2	Relevar	nt identified uses of	the substance or mixture ar	nd uses advised a	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 Compa	any		
	1180 8		1180 E. Ellsworth Rd.			
			Ann Arbor, MI 48108			
		ite address:	www.caymanchem.com			
		nation:	Cayman Chemical Compa	any	+1 (7	734)971-3335
1.4	-	ncy telephone num	ber: CHEMTREC Within USA a	and Canada	. 1 /	200) 424 0200
	Emerg	ency Contact:	CHEMTREC Outside USA			800)424-9300 703)527-3887
	CHEMTREC Outs				•• (
				ordo lalo otifi	a a ti a ra	
			Section 2. Haz	ards Identifi	cation	
2.1		cation of the Subst	Section 2. Haz	ards Identifi	cation	·
2.1 2.2		cation of the Subst lements:	Section 2. Haz	ards Identifi	cation	·
	Label E		Section 2. Haz	ards Identifi	cation	
	Label E GHS S	lements:	Section 2. Haz ance or Mixture:	ards Identifi	cation	
	Label E GHS S GHS I	lements: Signal Word: Hazard Phrases:	Section 2. Haz ance or Mixture:			
	Label E GHS S GHS I Based	lements: Signal Word: Hazard Phrases:	Section 2. Haz ance or Mixture: None			
	Label E GHS S GHS I Based GHS I	lements: Signal Word: Hazard Phrases: I on evaluation of cu	Section 2. Haz ance or Mixture: None			
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	Label E GHS S GHS I Based GHS I No ph GHS I No ph GHS S	lements: Signal Word: Hazard Phrases: I on evaluation of cur Precaution Phrases rases apply. Response Phrases: rases apply. Storage and Dispos	Section 2. Haz ance or Mixture: None rrently available data this subst ::	tance or mixture is Disposal informatic	not classifiable	according to GHS.
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2.2	Label E GHS S GHS I Based GHS I No ph GHS I No ph GHS S Please Advers	lements: Signal Word: Hazard Phrases: I on evaluation of cur Precaution Phrases rases apply. Response Phrases: rases apply. Storage and Dispos e refer to Section 7 for e Human Health	Section 2. Haz ance or Mixture: None rrently available data this subst : al Phrases: or Storage and Section 13 for I Material may be irritating to the	tance or mixture is Disposal informatic e mucous membra ingestion, or skin a	not classifiable on. anes and upper r absorption.	according to GHS.
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2.2	Label E GHS S GHS I Based GHS I No ph GHS I No ph GHS S Please Advers	lements: Signal Word: Hazard Phrases: I on evaluation of cur Precaution Phrases rases apply. Response Phrases: rases apply. Storage and Dispos e refer to Section 7 fe e Human Health and Symptoms:	Section 2. Haz ance or Mixture: None rrently available data this subst al Phrases: or Storage and Section 13 for I Material may be irritating to the May be harmful by inhalation, May cause eye, skin, or respir	tance or mixture is Disposal informatic e mucous membra ingestion, or skin a ratory system irritat the toxicological p	on. anes and upper r absorption. tion. properties have r	according to GHS.
2.2	Label E GHS S GHS I Based GHS I No ph GHS S Please Advers Effects	lements: Signal Word: Hazard Phrases: I on evaluation of cur Precaution Phrases rases apply. Response Phrases: rases apply. Storage and Dispos e refer to Section 7 for e Human Health and Symptoms:	Section 2. Haz ance or Mixture: None rrently available data this subst rently available data this s	tance or mixture is Disposal informatic e mucous membra ingestion, or skin a ratory system irritat the toxicological p	on. anes and upper r absorption. tion. properties have r	according to GHS. respiratory tract. not been thoroughly investigated ents GHS Classification
2.2 2.3 CAS RTEC	Label E GHS S GHS I Based GHS I No ph GHS S Please Advers Effects	Iements: Signal Word: Hazard Phrases: I on evaluation of cur Precaution Phrases rases apply. Response Phrases: rases apply. Storage and Dispos e refer to Section 7 for e Human Health and Symptoms: Secti Hazardous Compo	Section 2. Haz ance or Mixture: None rrently available data this subst rrently available data this subst rently available data this	tance or mixture is Disposal informatic e mucous membra ingestion, or skin a ratory system irritat the toxicological p	on. anes and upper r absorption. tion. oroperties have r On Ingredi	according to GHS. respiratory tract. not been thoroughly investigated ents GHS Classification



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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:	a A solid water stream may be inefficient.				
5.2	Flammable Properties an	dNo data available.				
	Hazards:					
		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 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	Take steps to avoid release into the environment, if safe to do so.				
	Precautions:					
6.3	Methods and Material For Contain spill and collect, as appropriate. Containment and Cleaning Transfer to a chemical waste container for disposal in accordance with local regulations.					
	Up:	1g Transfer to a chemical waste container for disposal in accordance with local regulations.				
	ор.					
		Section 7. Handling and Storage				
7.1	Precautions To Be Taken	Avoid breathing dust/fume/gas/mist/vapours/spray.				
	in Handling:	Avoid prolonged or repeated exposure.				
7.2	Precautions To Be Taken	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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8.2	Exposure Controls:						
8.2.1		Use process enclosures, local exhaust ventilation, or other engineerin levels below recommended exposure limits.	ng controls to control airborne				
8.2.2	Personal protection equip	-					
		Safety glasses					
	-						
	Other Protective Clothing:Lab coat						
	-	-					
	(Specify Type):	·······					
	Work/Hygienic/Maintenan	Do not take internally.					
	ce Practices:	Facilities storing or utilizing this material should be equipped with an e Wash thoroughly after handling. No data available.	eyewash and a safety showe				
	Se	ction 9. Physical and Chemical Properties					
9.1	Information on Basic Physi	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 Hg):	mm No data.					
	Vapor Density (vs. Air = 1):	No data.					
	Specific Gravity (Water = 1): No data.					
	Solubility in Water:	No data.					
	Solubility Notes:	Soluble in: DMSO;					
	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 & Weig	ht: C17H16F3N3O5S 431.4					



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			Section 10. Stability					
10.1	Reactivit	y:	No data available.	-				
10.2								
10.3	Stability	Note(s):	Stable if stored in accordance with information listed on the product insert.					
	Polymer	zation:	Will occur [] Will not occur [X					
10.4	Conditio	ns To Avoid:	No data available.					
10.5 Incompatibility - Materials strong oxidizing agents To Avoid:								
10.6	Hazardo		No data available.					
	Decomposition or Byproducts:							
			Section 11. Toxicolog	cal Informa	ation			
11.1	Informat	ion on	The toxicological effects of this prod			udied.		
		gical Effects:						
CAS #		-	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
	π					ACGIII		
	000 05 7							
11012	233-85-7	BTZ043	· · · ·	n.a.	n.a.	n.a.	n.a.	
11012	233-85-7		Section 12. Ecologic	n.a.	n.a.			
12.1	233-85-7 Toxicity:	BTZ043	· · · ·	n.a.	n.a.			
		BTZ043	Section 12. Ecologic	n.a. al Informat	n.a.			
		BTZ043	Section 12. Ecologic Avoid release into the environment.	n.a. al Informat	n.a.			
12.1	Toxicity:	BTZ043	Section 12. Ecologic Avoid release into the environment. Runoff from fire control or dilution wa	n.a. al Informat	n.a.			
12.1	Toxicity: Persister Degrada Bioaccur	BTZ043 Ince and bility: mulative	Section 12. Ecologic Avoid release into the environment. Runoff from fire control or dilution wa	n.a. al Informat	n.a.			
12.1 12.2	Toxicity: Persister Degrada Bioaccur Potentia	BTZ043 nce and bility: mulative :	Section 12. Ecologic Avoid release into the environment. Runoff from fire control or dilution wa No data available.	n.a. al Informat	n.a.			
12.1 12.2	Toxicity: Persister Degrada Bioaccur	BTZ043 nce and bility: mulative :	Section 12. Ecologic Avoid release into the environment. Runoff from fire control or dilution wa No data available.	n.a. al Informat	n.a.			
12.1 12.2 12.3	Toxicity: Persister Degrada Bioaccur Potentia Mobility	BTZ043 nce and bility: mulative l: in Soil:	Section 12. Ecologic Avoid release into the environment. Runoff from fire control or dilution wa No data available. No data available.	n.a. al Informat	n.a.			
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12.1 12.2 12.3 12.4 12.5	Toxicity: Persister Degrada Bioaccur Potential Mobility Results assessm	BTZ043 hce and bility: mulative l: in Soil: of PBT and vPvB ent:	Section 12. Ecologic Avoid release into the environment. Runoff from fire control or dilution wa No data available. No data available. No data available. No data available.	n.a. al Informat ter may cause p	n.a.			
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Cayman	

14.3 AIR TRANSPORT (ICAO/IATA): ICAO/IATA Shipping Name: N

e: Not dangerous goods.

Additional Transport

 $\label{eq:constraint} Transport \ in \ accordance \ with \ local, \ state, \ and \ federal \ regulations.$

Information:

Section 15. Regulatory Information

<u> </u>				0.004.00		
CAS #	Hazardous Components (Chemical Name)		S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
1161233-85-7	BTZ043		No	No	No	
CAS #	Hazardous Components (Chemical Name)		Other US EPA or	State Lists		
1161233-85-7	BTZ043		CAA HAP,ODC: PROP.65: No	No; CWA NPDES:	No; TSCA: No; CA	
Regulatory Info	ormation	This SDS was prepared in acco	rdance with 29 CFR	1910.1200 and R	egulation (EC)	
Statement:		No.1272/2008.				
		Section 16. Oth	ner Informatio	on		
Revision Date:		08/11/2017				
Additional Info	rmation About	No data available.				
This Product:						
This Product: 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.				