

BRD4 bromodomains 1 and 2 (human recombinant; Revision: 06/12/2019

aa 2-477)

Supersedes Revision: 08/19/2013

	CHEMICAL			aa 2-4//)		Supersedes Revision. 06/19/2013			
		according t	o Regulation (EC) No. 1907/2006 as a	mended by (EC) No. 2015	i/830 and US OSHA HCS	2015			
		Section 1. Ide	entification of the Substar	nce/Mixture and of	f the Company/U	ndertaking			
.1	Product Code:14822Product Name:BRD4 bromodomains 1 aSynonyms:Bromodomain containing			•					
.2	Relevant identified uses of the substance or mixture and uses advised against:								
		vant identified uses: For research use only, not for human or veterinary use.							
.3	Details	of the Supplier of the	e Safety Data Sheet:						
	Comp	any Name:	Cayman Chemical Comp 1180 E. Ellsworth Rd. Ann Arbor, MI 48108	pany					
	Web s	ite address:	www.caymanchem.com						
	Inform	nation:	Cayman Chemical Comp	bany	+1 (73-	4)971-3335			
.4	Emerge	ncy telephone numb	er:						
	Emerg	ency Contact:	CHEMTREC Within USA	and Canada:	+1 (80	0)424-9300			
			CHEMTREC Outside US	A and Canada:	+1 (70	3)527-3887			
			Section 2. Ha	zards Identifi	ication				
.1	Classifi	cation of the Substa	nce or Mixture:						
.2	Label E	lements:							
	GHS Signal Word: None								
	GHS Hazard Phrases:								
	Based	l on evaluation of curr	ently available data this sub	stance or mixture is	not classifiable ac	cording to GHS.			
	GHS I	GHS Precaution Phrases:							
	No ph	No phrases apply.							
	GHS I	Response Phrases:							
	No ph	No phrases apply.							
	GHS	Storage and Disposa	I Phrases:						
	Please	e refer to Section 7 for	Storage and Section 13 for	Disposal information	on.				
.3		Adverse Human Health Material may be irritating to the mucous membranes and upper respiratory tract.							
	Effects		Nay be harmful by inhalation						
			lay cause eye, skin, or resp to the best of our knowledge			t been thoroughly investigated			
			_		-				
		Secuc	on 3. Composition	Information	on ingreate	nis			
CAS	#/ CS#	Hazardous Compor REACH Registratio	nents (Chemical Name)/ n No.	Concentration	EC No./ EC Index No.	GHS Classification			
NA NA		BRD4 bromodomains 1 aa 2-477)	and 2 (human recombinant;	< 1.0 %	NA NA	No data available.			
	6-81-5 050000	Glycerol 01-2119471987-18		5.0 %	200-289-5 NA	No GHS classifications apply			
/Z47	7-14-5 25000	Sodium chloride 01-2119485491-33		0.29 %	231-598-3 NA	No GHS classifications apply			
	65-45-9 09000	HEPES, free acid		0.02 %	230-907-9 NA	No GHS classifications apply			
772	32-18-5	Water		>93.69 %	231-791-2	No GHS classifications apply			

Multi-region format



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		Section 4. Firs	t Aid Measures					
4.1	Description of First Aid							
	Measures:							
	In Case of Inhalation:	Remove to fresh air. If not breat Get immediate medical attention	thing, give artificial respiration or give oxygen by tra n.	ained personnel.				
	In Case of Skin Contact:	-	p and plenty of water for at least 20 minutes. Remo f symptoms occur. Wash clothing before reuse.	ove contaminated				
	In Case of Eye Contact:	-	es with plenty of water for at least 20 minutes. Have	e eyes examined				
	In Case of Ingestion:	Wash out mouth with water prov	vided person is conscious. Never give anything by al attention. Do NOT induce vomiting unless direct					
		Section 5. Fire F	- ighting Measures					
5.1	Suitable Extinguishing	Use alcohol-resistant foam, car	bon dioxide, water, or dry chemical spray.					
	Media:	Use water spray to cool fire-exp						
	Unsuitable Extinguishing	g A solid water stream may be in	efficient.					
	Media:	· ·						
5.2	Flammable Properties an	dEmits toxic fumes under fire co	nditions.					
	Hazards:							
		No data available.						
	Flash Pt:	No data.						
	Explosive Limits:	LEL: No data.	UEL: No data.					
	Autoignition Pt:	No data.						
5.3	-	-	ed breathing apparatus pressure-demand (NIOSH gear to prevent contact with skin and eyes.	approved or				
			al Release Measures					
6.1	Protective Precautions,	Avoid breathing vapors and pro						
0.1		• • •	NIOSH approved self-contained breathing apparate	is or respirator				
	Emergency Procedures:		ection (rubber boots, safety goggles, and heavy rub					
6.2	Environmental		to the environment, if safe to do so.	ser gieree).				
0.2	Precautions:							
6.3		r Contain spill and collect, as ap	nronriate					
0.5			container for disposal in accordance with local regul	lations.				
	Up:	.9						
								
			lling and Storage					
7.1		Avoid breathing dust/fume/gas/						
	in Handling:	Avoid prolonged or repeated ex	cposure.					
7.2	Precautions To Be Taken Keep container tightly closed.							
_	in Storing:	Store in accordance with inform	nation listed on the product insert.					
	Sec	tion 8. Exposure Cor	ntrols/Personal Protection					
8.1	Exposure Parameters:							
CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations				
56-81-	5 Glycerol	ACGIH TLV	TLV: 10 mg/m3					
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SAFETY DATA SHEET BRD4 bromodomains 1 and 2 (human recombinant; Revision: 06/12/2019

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Glycerol d)	France VL	TWA: 10 mg/m3	
	OSHA PELs	PEL: 15 (dust); 5 (resp.) mg/m	13
	Britain EH40	TWA: 10 mg/m3 () STEL: ()	
posure Controls:	•		•
gineering Controls Us	se process enclosures, lo	ocal exhaust ventilation, or other er	ngineering controls to control airbor
entilation etc.):	vels below recommended	exposure limits.	
rsonal protection equipme	ent:		
e Protection: Sa	afety glasses		
otective Gloves: Co	ompatible chemical-resist	tant gloves	
her Protective Clothing:La	b coat		
spiratory Equipment NI	OSH approved respirato	r, as conditions warrant.	
pecify Type):			
ork/Hygienic/Maintenan Do	o not take internally.		
Practices: Fa	acilities storing or utilizing	this material should be equipped	with an eyewash and a safety show
W	ash thoroughly after han	dling.	
No	o data available.		
Sec	tion 9 Physical	and Chemical Proper	ties
ormation on Basic Physica		· · · ·	
-	_		
ysical States: pearance and Odor:	[]Gas [X]Lio	7.5, containing 500 mM sodium cl	bloride, and 5% alveeral
	7.5		nionue, and 5 % giyceror
Iting Point:	No data.		
iling Point:	No data.		
ash Pt:	No data.		
aporation Rate:	No data.		
ammability (solid, gas):	No data available.		
plosive Limits:	LEL: No data.	UEL: No data.	
por Pressure (vs. Air or m			
):			
por Density (vs. Air = 1):	No data.		
ecific Gravity (Water = 1):	No data.		
lubility in Water:	No data.		
tanol/Water Partition	No data.		
efficient:			
	No data.		
toignition Pt:			
toignition Pt: composition Temperature			
toignition Pt: composition Temperature scosity:	No data.		
composition Temperature	No data.		
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			Secti	on 10. Stability and	d Reactiv	vity				
10.1	0.1 Reactivity: No data available.									
10.2	Stability: Unstable [] Stable [X]									
10.3	.3 Stability Note(s): Stable if stored in accord			ed in accordance with inform	nation listed o	on the product	insert.			
	Polymeriz	ation:	Will occur [] Will not occur [X]						
10.4	Condition	s To Avoid:	No data avai	ilable.						
10.5	Incompati	bility - Materials								
	To Avoid:		strong oxidiz	ing agents						
10.6	Hazardous		carbon dioxide							
	Decompos	sition or	carbon mono	oxide						
	Byproduc	ts:								
			Sectio	n 11. Toxicologica	l Informa	ation				
11.1	Informatio	on on	The toxicolog	gical effects of this product h	ave not been	thoroughly st	udied.			
	Toxicolog	ical Effects:								
Carcir	nogenicity:		NTP? No	IARC Monographs? No	OSHA Regulated? No					
CAS	# H	Hazardous Com	ponents (Ch	emical Name)	NTP	IARC	ACGIH	OSHA		
		3RD4 bromodom 2-477)	ains 1 and 2	(human recombinant; aa	n.a.	n.a.	n.a.	n.a.		
56	-81-5 (Glycerol			n.a.	n.a.	n.a.	n.a.		
764	7-14-5 8	Sodium chloride			n.a.	n.a.	n.a.	n.a.		
736	5-45-9 H	HEPES, free acid			n.a.	n.a.	n.a.	n.a.		
773	2-18-5 V	Water			n.a.	n.a.	n.a.	n.a.		
	Į_		Secti	on 12 Ecological I	Informati	ion				
12.1	Toxicity:	Section 12. Ecological Information								
	TOXICITY.		Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.							
12.1				No data available.						
	Persisten	ce and	No data avai	ilable.	nay oddoo pe					
	Persisteno Degradabi		No data avai	ilable.						
12.2	Persisteno Degradabi Bioaccum	ility:	No data avai No data avai							
12.2	Degradabi	ility: nulative								
12.2 12.3	Degradabi Bioaccum Potential:	ility: nulative		ilable.						
12.2 12.3 12.4	Degradabi Bioaccum Potential: Mobility in	ility: nulative	No data avai No data avai	ilable. ilable.						
12.2 12.3 12.4	Degradabi Bioaccum Potential: Mobility in	ility: ulative n Soil: f PBT and vPvB	No data avai No data avai	ilable. ilable.						
12.2 12.3 12.4 12.5	Degradabi Bioaccum Potential: Mobility in Results of assessme	ility: ulative n Soil: f PBT and vPvB	No data avai No data avai	ilable. ilable. ilable.						
12.2 12.3 12.4 12.5 12.6	Degradabi Bioaccum Potential: Mobility in Results of assessme	ility: nulative n Soil: f PBT and vPvB ent:	No data avai No data avai No data ava No data ava	ilable. ilable. ilable.		ions				



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		Section 14. Trar	nsport Informa	ition	
14.1 LAND T	RANSPORT (US DO	Т):			
DOT Prope	er Shipping Name:	Not dangerous goods.			
DOT Hazar	d Class:				
UN/NA Nur	nber:				
	RANSPORT (Europ	-			
	hipping Name:	Not dangerous goods.			
UN Numbe Hazard Cla					
	ANSPORT (ICAO/IA1	ΓΑ):			
	Shipping Name:	Not dangerous goods.			
Additional Tra		ransport in accordance with I	ocal, state, and feder	al regulations.	
Information:					
		Section 15. Regu	latory Informa	ation	
EPA SARA (Su	perfund Amendmer	its and Reauthorization Act	<u> </u>		
CAS #	Hazardous Compo	nents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
NA	BRD4 bromodomair recombinant; aa 2-4	,	No	No	No
56-81-5	Glycerol		No	No	No
7647-14-5	Sodium chloride		No	No	No
7365-45-9	HEPES, free acid		No	No	No
7732-18-5	Water		No	No	No
CAS #	Hazardous Compo	nents (Chemical Name)	Other US EPA or State Lists		
NA	BRD4 bromodomair recombinant; aa 2-4	,	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No		
56-81-5	Glycerol		CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No		
7647-14-5	-5 Sodium chloride		CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No		
7365-45-9	HEPES, free acid		CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No		
7732-18-5	Water		CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No		
Regulatory Info	rmation T	his SDS was prepared in acc	ordance with 29 CFR	1910.1200 and Regu	lation (EC)
Statement:	N	o.1272/2008.			



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Section 16. Other Information				
Revision Date:	06/12/2019			
Additional Information About	No data available.			
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.			