

#### SAFETY DATA SHEET ATF2 (Phospho-Ser490,498) Polyclonal Antibody

Revision: 03/31/2015 Supersedes Revision: 03/19/2007

					5	Supersedes Revision: 03/19/2007			
		acc	ording to Regulation (EC) No. 190	)7/2006 as amended b	by (EC) No. 1272/200	8			
		Section 1.	Identification of the Substar	nce/Mixture and of	f the Company/U	ndertaking			
1.1	Produc Produc Synony	t Name:	10009410 ATF2 (Phospho-Ser490, Activating Transcription I	· ·	tibody				
1.2	Releva	nt identified uses c	of the substance or mixture a	and 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 Comp 1180 E. Ellsworth Rd. Ann Arbor, MI 48108	bany					
	Web s	site address:	www.caymanchem.com						
		nation:	Cayman Chemical Comp	bany	+1 (73-	4)971-3335			
1.4	-	ency telephone nur							
	Emer	gency Contact:	CHEMTREC Within USA CHEMTREC Outside US		-	0)424-9300 3)527-3887			
						5)521-5001			
			Section 2. Ha	zards Identif	ication				
2.1		cation of the Subs							
2.1.1		assification according to Regulation (EC) No 1272/2008 [CLP]:							
2.2 Label Elements: 2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:									
2.2.1									
	GHS Signal Word: None								
	GHS Hazard Phrases:								
	Based on evaluation of currently available data this substance or mixture is not classifiable according to GHS. GHS Precaution Phrases:								
	No phrases apply. GHS Response Phrases:								
	No phrases apply.								
	GHS Storage and Disposal Phrases:								
	Please refer to Section 7 for Storage and Section 13 for Disposal information.								
2.3	Adverse Human Health Material may be irritating to the mucous membranes and upper respiratory tract.								
	Effects and Symptoms: May be harmful by inhalation, ingestion, or skin absorption.								
	May cause eye, skin, or respiratory system irritation.								
			_		-	been thoroughly investigated.			
		1	ion 3. Composition	1		1			
CAS RTEC		Hazardous Components (Chemical Name)/ REACH Registration No.		Concentration	EC No./ EC Index No.	GHS Classification			
NA NA		ATF2 (Phospho-Ser	490,498) Polyclonal Antibody	0.0 -0.1 %	NA NA	No data available.			
	-81-5 50000	Glycerol		0.0 -50.0 %	200-289-5 NA	No data available.			
	8-46-8 46000			0.01 %	232-936-2 NA	Acute Tox.(O) 4: H302			
764	7-14-5	Sodium chloride		0.877 %	231-598-3	No data available.			

Multi-region format



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	HEMICAL				· ·					
VZ472	25000				NA					
7365-45-9 HEPES, free acid TL6809000		HEPES, free acid		0.238 %	230-907-9 NA	No data available.				
7732-18-5 Water ZC0110000		Water		48.775 -98.875 %	231-791-2 NA	No data available.				
		•		•	•	<u>+</u>				
			Section 4. Fi	rst Aid Measu	Ires					
4.1	Descrir	otion of First Aid	No data available.	ISt Ald MedSt	105					
4.1	Measur									
	In Case	of Inhalation:	Remove to fresh air. If not bre Get immediate medical attent		l respiration or giv	ve oxygen by trained personnel.				
	In Case	of Skin Contact:	Immediately wash skin with s	oap and plenty of wa	ater for at least 15	minutes. Remove contaminated				
			clothing. Get medical attentio	n if symptoms occur	. Wash clothing b	efore 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 Mea	asures					
5.1	Suitabl	e Extinguishing	Use alcohol-resistant foam, o	carbon dioxide, water	r, or dry chemical	spray.				
	Media:   Use water spray to cool fire-exposed containers.									
	Unsuitable Extinguishing A solid water stream may be inefficient.									
	Media:	Media:								
5.2	Flamma Hazard	-	dEmits toxic fumes under fire	conditions.						
	Flash P	't:	No data.							
	Explos	ive Limits:	LEL: No data.	UEL: No da	ita.					
	Autoig	nition Pt:	No data.							
5.3	Fire Fig	hting Instructions	<b>s:</b> As in any fire, wear self-conta equivalent), and full protectiv		-					
			Section 6. Accider	ntal Release M	<b>Neasures</b>					
6.1	Protect	ive Precautions,	Avoid breathing vapors and	provide adequate ve	ntilation.					
	Protect	ive Equipment an	d As conditions warrant, wear	a NIOSH approved	self-contained bre	eathing apparatus, or respirator,				
	Emerge	ency Procedures:	and appropriate personal pro	otection (rubber boot	s, safety goggles	, and heavy rubber gloves).				
6.2	Enviror	nmental	Take steps to avoid release	into the environment	, if safe to do so.					
	Precau	tions:								
6.3			r Contain spill and collect, as							
		<b>Containment and Cleaning</b> Transfer to a chemical waste container for disposal in accordance with local regulations.								
	Up:									
			Section 7. Har	ndling and Sto	orage					
7.1 Precautions To Be Tak		tions To Be Taken	Avoid breathing dust/fume/ga	as/mist/vapours/spra	y.					
	in Hand	lling:	Avoid prolonged or repeated	exposure.						
7.2	Precau	tions To Be Taken	n Keep container tightly closed.							
	in Stori	ng:	Store in accordance with info	ormation listed on the	product insert.					
						Multi-region format				



#### ATF2 (Phospho-Ser490,498) Polyclonal Antibody

3.1 Expos	ure Parameters:	•	osure Controls/Perso		
CAS #	Partial Chemica	al Name	Britain EH40	France VL	Europe
NA	NA ATF2 (Phospho-Ser490,498) Polyclonal Antibody		No data.	No data.	No data.
56-81-5	Glycerol		TWA: 10 mg/m3 () STEL: ()	TWA: 10 mg/m3	No data.
9048-46-8	Bovine Serum A	lbumin (BSA)	No data.	No data.	No data.
7647-14-5	Sodium chloride		No data.	No data.	No data.
7365-45-9	HEPES, free aci	d	No data.	No data.	No data.
7732-18-5	Water		No data.	No data.	No data.
CAS #	Partial Chemica	al Name	OSHA TWA	ACGIH TWA	Other Limits
NA	ATF2 (Phospho- Polyclonal Antib		No data.	No data.	No data.
56-81-5	Glycerol		PEL: 15 (dust); 5 (resp.) mg/m3	TLV: 10 mg/m3	No data.
9048-46-8	Bovine Serum A	lbumin (BSA)	No data.	No data.	No data.
7647-14-5	Sodium chloride		No data.	No data.	No data.
7365-45-9	HEPES, free acid		No data.	No data.	No data.
7732-18-5	Water		No data.	No data.	No data.
3.2.2 Perso Eye P Prote Other Respi (Spec	lation etc.): onal protection equ rotection: ctive Gloves: Protective Clothir ratory Equipment ify Type): /Hygienic/Maintena	iipment: Safety glasses Compatible cher ng:Lab coat NIOSH approved	ommended exposure limits. nical-resistant gloves d respirator, as conditions warrar mally.	nt.	
ce Pra	actices:	Facilities storing Wash thoroughly No data availabl	-	e equipped with an eyew	ash and a safety shov



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.1	Informatio	on on Basic Phys	ection 9.			-			
	Physical	-		-		d			
	-	ice and Odor:	Solut			u			
	Melting P		No da						
	Boiling Po		No d						
	Flash Pt:		No d						
	Evaporati	on Rate:	No d						
	Explosive			No data.		UEL: No d	lata.		
	=	essure (vs. Air o							
	Hg):								
	Vapor De	nsity (vs. Air = 1	l): No d	ata.					
	Specific C	Gravity (Water =	1): No d	ata.					
	Solubility	in Water:	No d	ata.					
	Autoigniti	ion Pt:	No d	ata.					
9.2	Other Info	rmation							
	Percent V	olatile:	No d	ata.					
			Secti	on 10. Sta	hility and	Reactivi	tv		
10.1	Reactivity	<i>r</i>	No data avai		Sinty and		cy.		
10.1	Stability:		Unstable [		1				
10.2	Stability N	Note(s).	-		-	tion listed on	the product	insert	
10.0	-		Stable if stored in accordance with information listed on the product insert.						
10.4	-	herization: Will occur [] Will not occur [X]   itions To Avoid: No data available.							
10.4									
10.5	To Avoid:	-	<b>s</b> strong bases strong oxidizing agents						
10.6	Hazardou		carbon dioxide						
10.0	Decompo	-							
	Byproduc								
			Castia						
				n 11. Toxi	v				
11.1	Informatio		The toxicological effects of this product have not been thoroughly studied.						
		jical Effects:	Glycerol - Irritation Data: Eyes (rabbit): 500 mg (24h) mild; Skin (rabbit): 500 mg (24h) mild;						
		oxicological	Glycerol - Investigated as a mutagen, reproductive effector, and tumorigen.						
	Effects:		Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here.						
			See actual entry in RTECS for complete information. Glycerol RTECS Number: MA8050000						
Carcinogenicity:			NTP? No	IARC Monog		OSHA Reg	ulated? No		
		Hazardous Com		-		NTP	IARC	ACGIH	OSHA
			• •	•		n.a.	-		
FC			o-Ser490,498) Polyclonal Antibody				n.a.	n.a.	n.a.
56-81-5 Glycerol		-				n.a.	n.a.	n.a.	n.a.
9048-46-8 Bovine Serum Al					n.a.	n.a.	n.a.	n.a.	
7647-14-5 Sodium chloride					n.a.	n.a.	n.a.	n.a.	
		HEPES, free acio	t			n.a. n.a.	n.a.	n.a.	n.a.
773	2-18-5 Water					n.a.	n.a.	n.a.	n.a.



# SAFETY DATA SHEET ATF2 (Phospho-Ser490,498) Polyclonal Antibody

			Section 12. Ecolo	gical Informa	tion		
12.1	Toxicity	icity: Avoid release into the environment.					
			Runoff from fire control or dilution	n water may cause	pollution.		
12.2	Persiste	stence and No data available.					
	Degrada	ability:					
12.3	Bioaccu	mulative	No data available.				
	Potentia	ıl:					
12.4	Mobility	in Soil:	No data available.				
12.5	Results	of PBT and vPvB	No data available.				
	assessn						
12.6	Other ac	dverse effects:	No data available.				
			Section 13. Dispos				
13.1	Waste D	isposal Method:	Dispose in accordance with loca		-		
			Section 14. Trans	sport Informa	ition		
14.1	LAND T	RANSPORT (US I	DOT):				
		er Shipping Name:	Not dangerous goods.				
	OT Hazar						
	N/NA Nur						
14.1		RANSPORT (Euro					
		hipping Name:	Not dangerous goods.				
_	IN Numbe lazard Cla						
14.3		ANSPORT (ICAO/I	IATA)-				
		Shipping Name:	Not dangerous goods.				
	tional Tra		Transport in accordance with loc	cal. state, and feder	al regulations.		
	mation:						
			Section 15. Regula	atory Informa	ation		
FΡΔ	SARA (Si	Inerfund Amendm	nents and Reauthorization Act of				
CAS	=		ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
	NA		Ser490,498) Polyclonal Antibody	No	No	No	
56	6-81-5	Glycerol		No	No	No	
904	8-46-8	Bovine Serum All	bumin (BSA)	No	No	No	
764	7-14-5	Sodium chloride		No	No	No	
736	5-45-9	HEPES, free acic	1	No	No	No	
773	82-18-5						
CAS	CAS # Hazardous Components (Chemical Name) Other US EPA or State Lists						
	NA		Ser490,498) Polyclonal Antibody	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
56	6-81-5	Glycerol CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No					
904	8-46-8	Bovine Serum Albumin (BSA) CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No					
764	7-14-5	-5 Sodium chloride CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -					
						Multi-region format	



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		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 Information Statement:		This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.			
		Section 16. Other Information			
Revision Date:		03/31/2015			
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.			