

# SAFETY DATA SHEET AIF Polyclonal Antibody

Revision: 08/19/2015 Supersedes Revision: 06/30/2015

7						Supersedes Revision: 06/30/201			
			rding to Regulation (EC) No. 190						
		Section 1. Ic	lentification of the Substar	nce/Mixture and of	the Company/U	ndertaking			
.1	Produc		160773						
		t Name:	AIF Polyclonal Antibody						
	Synony		Apoptosis-Inducing Factor	-		Cell Death Protein 8;			
.2			the substance or mixture a		-				
		ant identified uses:	For research use only, n	ot for human or vete	erinary use.				
.3	Details	of the Supplier of th	e Safety Data Sheet:						
	Comp	any Name:	Cayman Chemical Comp 1180 E. Ellsworth Rd. Ann Arbor, MI 48108	bany					
	Web s	ite address:	www.caymanchem.com						
	Inforn	nation:	Cayman Chemical Comp	bany	+1 (73	4)971-3335			
.4	Emerge	ency telephone num	ber:						
	-	gency Contact:	CHEMTREC Within USA	and Canada:	+1 (80	0)424-9300			
			CHEMTREC Outside US	A and Canada:		3)527-3887			
			Section 2. Ha	zards Identifi	cation				
2.1	Classifi	cation of the Substa	ance or Mixture:						
2.2	Label Elements:								
		Signal Word: Hazard Phrases:	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 Dispos	al Phrases:						
	Pleas	e refer to Section 7 fo	r Storage and Section 13 for	Disposal information	on.				
2.3	Adverse Human Health Material may be irritating to the mucous membranes and upper respiratory tract.								
	Effects	Effects and Symptoms: May be harmful by inhalation or skin absorption.							
			May cause eye, skin, or resp						
						been thoroughly investigate			
<u></u>		1	on 3. Composition	1		1			
	#/ CS#	REACH Registratio	nents (Chemical Name)/ on No.	Concentration	EC No./ EC Index No.	GHS Classification			
NA NA		AIF Polyclonal Antiboo	ły	0.02 -0.1 %	NA NA	No data available.			
	8-46-8 96000	Bovine Serum Albumir	ו (BSA)	~ 0.1 %	232-936-2 NA	Acute Tox.(O) 4: H302			
	28-22-8 50000	Sodium azide		0.02 %	247-852-1 011-004-00-7	Acute Tox.(O) 2: H300 Aquatic (A) 1: H400 Aquatic (C) 1: H410			
	7-14-5 25000	Sodium chloride		0.8 %	231-598-3 NA	Eye Damage 2A: H319			



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77 TY290	-86-1 )0000	Trizma base		0.3 %	201-064-4 NA	Skin Corr. 2: H315 Eye Damage 2: H319 STOT (SE) 3: H335			
	2-18-5 10000	Water		98.68 -98.78 %	231-791-2 NA	No data available.			
		•			•				
			Section 4	First Aid Meas	SUIRAS				
L 4.1	Descrir	otion of First Aid	00000114.		bures				
	Measur								
	In Case	e of Inhalation:	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.						
	In Case	e 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	e 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. F	Fire Fighting Me	easures				
5.1	Suitable ExtinguishingUse alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.Media:Use water spray to cool fire-exposed containers.Unsuitable ExtinguishingA solid water stream may be inefficient.Media:					al spray.			
5.2		-	idNo data available.						
	nazara	5.	No data available.						
	Flash F	Pt:	No data.						
	Explos	ive Limits:	LEL: No data.	UEL: No o	data.				
	Autoig	nition Pt:	No data.						
5.3	Fire Fig	ghting Instructions	<b>s:</b> As in any fire, wear self- equivalent), and full prot			-demand (NIOSH approved or and eyes.			
			Section 6. Accie	dental Release	Measures				
6.1	Protect	tive Precautions,	Avoid raising and breat	hing dust, and provide a	adequate ventilati	on.			
	Protect	tive Equipment an				preathing apparatus, or respirator,			
	Emerge	ency Procedures:	and appropriate person	al protection (rubber bo	ots, safety goggle	es, and heavy rubber gloves).			
6.2	Enviro Precau	nmental tions:	Take steps to avoid rele	ease into the environme	nt, if safe to do s	э.			
6.3			r Contain spill and collect		osal in accordan	ce with local regulations.			



7.1

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Section 7. Handling and Storage

Precautions To Be Taken Avoid breathing dust/fume/gas/mist/vapours/spray.

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1.1	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.								
		-			an al Drata atian				
			ction 8. Expos	ure Controls/Pers	sonal Protection				
8.1	-	re Parameters:							
CAS		Partial Chemica		Britain EH40	France VL	Europe			
	NA	AIF Polyclonal A	-	No data.	No data.	No data.			
904	18-46-8	Bovine Serum A	lbumin (BSA)	No data.	No data.	No data.			
2662	28-22-8	Sodium azide		TWA: 0.1 mg/m3 () STEL: 0.3 mg/m3 ()	TWA: 0.1 mg/m3 STEL: 0.3 mg/m3	TWA: 0.1 mg/m3 STEL: 0.3 mg/m3			
764	7-14-5	Sodium chloride		No data.	No data.	No data.			
77	7-86-1	Trizma base		No data.	No data.	No data.			
773	32-18-5	Water		No data.	No data.	No data.			
CAS	#	Partial Chemica	al Name	OSHA TWA	ACGIH TWA	Other Limits			
	NA	AIF Polyclonal Antibody		No data.	No data.	No data.			
904	18-46-8	Bovine Serum Albumin (BSA)		No data.	No data.	No data.			
266	28-22-8	Sodium azide		No data.	CEIL: 0.29 mg/m3	No data.			
764	7-14-5	Sodium chloride		No data.	No data.	No data.			
77	7-86-1	Trizma base		No data.	No data.	No data.			
7732-18-5		Water		No data.	No data.	No data.			
8.2	Exposu	re Controls:							
8.2.1 Engineering Controls Use process enclosures, lo			-		tion, or other engineering co	ntrols to control airborne			
(Ventilation etc.): levels below recommended exposure limits.									
8.2.2		al protection equ	-						
	-	tection: Safety glasses							
		ctive Gloves: Compatible chemical-resistant gloves Protective Clothing:Lab coat							
		tory Equipment	-	spirator, as conditions war	rant				
		y Type):	NICOLIApploved le		rant.				
		ork/Hygienic/Maintenan Do not take internally.							
	ce Prac			•	d be equipped with an eyew	ash and a safety showe			
		Wash thoroughly after		er handling.					
	No data ava		No data available.	lable.					
I									

Multi-region format



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			on 9. Physical and	Chemical Pl	operties				
9.1	Information on Basic Physical and Chemical Properties								
	•	I States:		[X] Solid					
		ance and Odor:	Peptide affinity-purified Ig0	3					
	Melting		No data.						
	Boiling		No data.						
	Flash Pt		No data.						
	-	ation Rate:	No data.						
	Flammability (solid, gas):		No data available.						
	Explosive Limits:		LEL: No data.	UEL: No	o data.				
	Vapor Pressure (vs. Air or mm		No data.						
	Hg):								
	Vapor Density (vs. Air = 1):		No data.						
	•	Gravity (Water = 1):	No data.						
		ty in Water:	No data.						
	Autoignition Pt:		No data.						
9.2		formation							
	Percent Volatile:		No data.						
		c,	Section 10. Stability	y and Reacti	vity				
0.1	Reactiv	i <b>ty:</b> No da	ata available.	-	-				
0.2	Stability	v: Unsta	able [ ] Stable [ X ]						
0.3	Stability	Note(s): Stable	e if stored in accordance with information listed on the product insert.						
	Polyme	rization: Will o	ccur [ ] Will not occur [ X ]						
0.4	Conditio	ons To Avoid: No da	ata available.						
0.5	Incomp	atibility - Materials No da	ata available.						
	To Avoi	-							
10.6	Hazardo	Hazardous No data available.							
		ecomposition or							
	-	Byproducts:							
	-	<u> </u>	ection 11. Toxicolo	aical Inform	ation				
	1			•		u ali a al			
11.1	Informa	ogical Effects:	oxicological effects of this pro	bouct have not beer	n thoroughly st	ualea.			
CAS		-	to (Chamical Nama)	NTP	IARC	ACGIH	OSHA		
CHO	# NA	Hazardous Componen		n.a.	n.a.	n.a.	<u>озпа</u> n.a.		
004	8-46-8	Bovine Serum Albumin		n.a.	n.a.	n.a.	n.a. n.a.		
						A4	_		
26628-22-8 Sodium azide				n.a.	n.a.		n.a.		
7647-14-5 Sodium chloride				n.a.	n.a.	n.a.	n.a.		
77	77-86-1 Trizma base			n.a.	n.a.	n.a.	n.a.		
	2-18-5	Water		n.a.	n.a.	n.a.	n.a.		

Multi-region format



26628-22-8

7647-14-5

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		Section 12. Ecol	ogical Informa	ation				
12.1 Toxic	city:	Avoid release into the environr	nent.					
		Runoff from fire control or dilut	ion water may cause	pollution.				
12.2 Persi	istence and	No data available.						
Degra	adability:							
12.3 Bioad	ccumulative	No data available.						
Poter								
12.4 Mobi	lity in Soil:	No data available.						
	Its of PBT and vPvB	No data available.						
	ssment:	<b>NI 17 111</b>						
12.6 Othe	r adverse effects:	No data available.		-				
		Section 13. Dispo						
13.1 Wast	e Disposal Method:	Dispose in accordance with loo	cal, state, and federa	l regulations.				
		Section 14. Trar	nsport Information	ation				
14.1 LAN	D TRANSPORT (US	DOT):						
DOT Pro	oper Shipping Name	: Not dangerous goods.						
DOT Ha	zard Class:							
UN/NA I	Number:							
	14.1 LAND TRANSPORT (European ADR/RID):							
	ADR/RID Shipping Name: Not dangerous goods.							
	UN Number: Hazard Class:							
	Class. TRANSPORT (ICAO/	1474).						
	TA Shipping Name:	Not dangerous goods.						
Additional 1		Transport in accordance with I	ocal state and fede	ral regulations				
Information	-			rai regulations.				
		Section 15. Regu	latory Inform	ation				
EPA SARA	(Superfund Amendn	nents and Reauthorization Act						
CAS #	· · ·	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)			
NA	AIF Polyclonal A	ntibody	No	No	No			
9048-46-8	Bovine Serum Al	bumin (BSA)	No	No	No			
26628-22-8	8 Sodium azide		Yes 500 LB	Yes 1000 LB	Yes			
7647-14-5	Sodium chloride		No	No	No			
77-86-1	77-86-1 Trizma base		No	No	Yes-Cat. N106			
7732-18-5	Water		No	No	No			
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or State Lists					
NA	AIF Polyclonal A	ntibody	CAA HAP,ODC: PROP.65: No	No; CWA NPDES: N	lo; TSCA: No; CA			
9048-46-8	9048-46-8 Bovine Serum Albumin (BSA)			CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No				

Sodium azide CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -Inventory; CA PROP.65: No

Sodium chloride CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -

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		Inventory; CA PROP.65: No			
77-86-1	Trizma base	CAA HAP,ODC: HAP; 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:		08/19/2015			
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.			