

SAFETY DATA SHEET Tryptophan Hydroxylase (Phospho-Ser260)

Polyclonal Antibody

Revision: 05/14/2015 Supersedes Revision: 03/19/2007

		Polyclonal Antibody	Supersedes Revision: 03/19/2007				
	ac	cording to Regulation (EC) No. 1907/2006 as amended by (EC) N	No. 1272/2008				
	Section 1.	Identification of the Substance/Mixture and of the Co	ompany/Undertaking				
1.1	Product Code: Product Name: Synonyms:	10009398 Tryptophan Hydroxylase (Phospho-Ser260) Polyclo TPH;	nal Antibody				
1.2	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:						
	Company Name:	Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108					
	Web site address:	www.caymanchem.com					
	Information:	Cayman Chemical Company	+1 (734)971-3335				
1.4	Emergency telephone nu	mber:					
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300				
		CHEMTREC Outside USA and Canada:	+1 (703)527-3887				
		Section 2. Hazards Identificatio	n				
2.2.1	Labeling according to Re	egulation (EC) No 1272/2008 [CLP]:					
	GHS Signal Word:	Warning					
	GHS Hazard Phrases:						
	H316: Causes mild skin irritation. H319: Causes serious eye irritation.						
	GHS Precaution Phrase						
	P264: Wash {hands} tho						
	P280: Wear {protective g	gloves/protective clothing/eye protection/face protection}.					
	GHS Response Phrase	s:					
		YES: Rinse cautiously with water for several minutes. Rem	nove contact lenses, if present and easy				
	to do. Continue rinsing.	n accura act modical advice/attention					
	P332+313: If skin irritation occurs, get medical advice/attention. P337+313: If eye irritation persists, get medical advice/attention.						
	GHS Storage and Dispo						
		7 for Storage and Section 13 for Disposal information.					
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2.3 Adverse Human Health Causes mild skin and serious eye irritation.

Effects and Symptoms:

Material may be irritating to the mucous membranes and upper respiratory tract.

May be harmful by inhalation, ingestion, or skin absorption.

May cause respiratory system irritation.

To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

Section 3. Composition/Information on Ingredients

CAS # / RTECS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
NA NA	Tryptophan Hydroxylase (Phospho-Ser260) Polyclonal Antibody	0.0 -0.1 %	NA NA	No data available.
56-81-5 MA8050000	Glycerol	0.0 -50.0 %	200-289-5 NA	Skin Corr. 3: H316 Eye Damage 2B: H320
9048-46-8 MT6446000	Bovine Serum Albumin (BSA)	0.01 %	232-936-2 NA	Acute Tox.(O) 4: H302
7365-45-9 TL6809000	HEPES, free acid	0.238 %	230-907-9 NA	Skin Corr. 2: H315 Eye Damage 2: H319
7647-14-5 VZ4725000	Sodium chloride	0.877 %	231-598-3 NA	No data available.
7732-18-5 ZC0110000	Water	48.775 -98.875 %	231-791-2 NA	No data available.

		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 solid water stream may be inefficient.
5.2		d Emits toxic fumes under fire conditions.
0.2	Hazards:	
	Flash Pt:	No data.
	Explosive Limits:	LEL: No data. UEL: No data.
	Autoignition Pt:	No data.
5.3	Fire Fighting Instructions	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.
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3.2.2 Pe	rsonal p	protection equipment:					
•	entilatio	•	ended exposure limits.				
	-	•	es, local exhaust ventilation,	or other engineering controls	s to control airborn		
-		Controls:					
7732-18	8-5 W	/ater	No data.	No data.	No data.		
7647-14	-5 So	odium chloride	No data.	No data.	No data.		
7365-45	5-9 HI	EPES, free acid	No data.	No data.	No data.		
9048-46	6-8 Bo	ovine Serum Albumin (BSA)	No data.	No data.	No data.		
56-81-	`	lycerol	PEL: 15 (dust); 5 (resp.) mg/m3	TLV: 10 mg/m3	No data.		
NA		ryptophan Hydroxylase Phospho-Ser260) Polyclonal Antibody	No data.	No data.	No data.		
CAS #	Pa	artial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits		
7732-18		/ater	No data.	No data.	No data.		
7647-14		odium chloride	No data.	No data.	No data.		
7365-45		EPES, free acid	No data.	No data.	No data.		
9048-46	6-8 Bo	ovine Serum Albumin (BSA)	No data.	No data.	No data.		
56-81-	5 GI	lycerol	TWA: 10 mg/m3 () STEL: ()	TWA: 10 mg/m3	No data.		
NA		yptophan Hydroxylase hospho-Ser260) Polyclonal Antibody	No data.	No data.	No data.		
AS #	Pa	artial Chemical Name	Britain EH40	France VL	Europe		
1 Exp	oosure F	Parameters:					
		Section 8. Exposur	re Controls/Person	al Protection			
in S	Storing:	Store in accordance w	rith information listed on the p	product insert.			
.2 Pre	ecaution	ns To Be Taken Keep container tightly	closed.				
	Handling	-	• • • • •				
.1 Pre	ecaution	ns To Be Taken Avoid breathing dust/f		•			
		Section 7	Handling and Stor	rade			
Co Up		ent and CleaningTransfer to a chemica	al waste container for disposa	I in accordance with local re	gulations.		
 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. 							
Pre	Precautions:						
	nvironmental Take steps to avoid release into the environment, if safe to do so.						
		tive Equipment and As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, ency Procedures: and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).					
	Protective Precautions, Avoid breathing vapors and provide adequate ventilation.						
		Section 6. Acc	cidental Release M	easures			

Eye Protection: Safety glasses

Protective Gloves: Compatible chemical-resistant gloves

Other Protective Clothing:Lab coat

Respiratory Equipment NIOSH approved respirator, as conditions warrant.

(Specify Type):

Work/Hygienic/Maintenan Do not take internally.

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cay	man		Polyclo	nal Antibody	Supersed	des Revision: 03/19/2007
	ce Practices:	Facilities storing	or utilizing this r	material should be equ	uipped with an eyew	ash and a safety shower.
		Wash thoroughly	after handling.			
		No data available	э.			
	Se	ection 9. Pl	hysical and	d Chemical Pr	operties	
9.1	Information on Basic Phys	ical and Chemic	al Properties			
	Physical States:	[]Gas	[X] Liquid	[] Solid		
	Appearance and Odor:	Solution				
	pH:	7.5				
	Melting Point:	No data.				
	Boiling Point:	No data.				
	Flash Pt:	No data.				
	Evaporation Rate:	No data.				
	Flammability (solid, gas):	No data a	available.			
	Explosive Limits:	LEL: No	data.	UEL: No	data.	
	Vapor Pressure (vs. Air or	mm No data.				
	Hg):					
	Vapor Density (vs. Air = 1)	: No data.				
	Specific Gravity (Water = 1	I): No data.				
	Solubility in Water:	No data.				
	Autoignition Pt:	No data.				
9.2	Other Information					
	Percent Volatile:	No data.				
		Section	10. Stabili	ty and Reactiv	/ity	
10.1	Reactivity:	No data available	e.			
10.2	Stability:	Unstable []	Stable [X]			
10.3	Stability Note(s):	Stable if stored in	n accordance wi	ith information listed o	on the product insert	
	Polymerization:	Will occur []	Will not occur	[X]		
10.4	Conditions To Avoid:	No data available	Э.			
10.5	Incompatibility - Materials	strong bases				
	To Avoid:	strong oxidizing a	agents			
10.6	Hazardous	carbon dioxide				
	Decomposition or	carbon monoxide	e			
	Byproducts:					
1						

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			Section 11. Toxicologica	al Informa	ation			
11.1		ion on gical Effects: Toxicological	The toxicological effects of this product Glycerol - Irritation Data: Eyes (rabbit): Glycerol - Investigated as a mutagen, re Only select Registry of Toxic Effects of See actual entry in RTECS for complete Glycerol RTECS Number: MA8050000	500 mg (24h) eproductive ef Chemical Sub	mild; Skin (rat	bbit): 500 mg (2 norigen.		
Carci	nogenicity	:	NTP? No IARC Monographs? No	OSHA R	egulated? No			
CAS	CAS # Hazardous Com		ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
	NA	Tryptophan Hydr Antibody	oxylase (Phospho-Ser260) Polyclonal	n.a.	n.a.	n.a.	n.a.	
56	6-81-5	Glycerol		n.a.	n.a.	n.a.	n.a.	
904	48-46-8	Bovine Serum Al	bumin (BSA)	n.a.	n.a.	n.a.	n.a.	
736	65-45-9	HEPES, free acid	1	n.a.	n.a.	n.a.	n.a.	
	7647-14-5 Sodium chloride			n.a.	n.a.	n.a.	n.a.	
7732-18-5 Water		Water		n.a.	n.a.	n.a.	n.a.	
			Section 12. Ecological	Informat	ion			
12.2 12.3 12.4 12.5 12.6	Degradability: 12.3 Bioaccumulative Potential: 12.4 Mobility in Soil: 12.5 Results of PBT and vPvB assessment:		Runoff from fire control or dilution water may cause pollution. No data available. No data available. B No data available. No data available. No data available.					
			Section 13. Disposal Co					
13.1	waste Di	sposal Method:	Dispose in accordance with local, state,		-			
			Section 14. Transport	Informat	lon			
ם נ 14.1 ע נ	OOT Proper OOT Hazard JN/NA Num LAND TI	aber: RANSPORT (Euro hipping Name: :	-					



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14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not dangerous goods.

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

Information:

Additional Transport

Section 15. Regulatory Information

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
NA	Tryptophan Hydroxylase (Phospho-Ser260) Polyclonal Antibody	No	No	No	
56-81-5	Glycerol	No	No	No	
9048-46-8	Bovine Serum Albumin (BSA)	No	No	No	
7365-45-9	HEPES, free acid	No	No	No	
7647-14-5	Sodium chloride	No	No	No	
7732-18-5	Water	No	No	No	
CAS # Hazardous Components (Chemical Name) Other US EPA or State Lists					
NA	Tryptophan Hydroxylase (Phospho-Ser260) Polyclonal Antibody	CAA HAP,ODC: PROP.65: No	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		
9048-46-8	Bovine Serum Albumin (BSA)		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		
7647-14-5	Sodium chloride		CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No		
		CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No			

Section 16. Other Information

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Additional Information About No data available. This Product:

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