

1.1

2.1

26628-22-8

7647-14-5

7778-77-0

VZ4725000

TC6615500

VY8050000

Sodium azide

01-2119457019-37

Sodium chloride

01-2119485491-33

01-2119490224-41

Potassium phosphate, Monobasic

SAFETY DATA SHEET **Toll-Like Receptor 4 Monoclonal Antibody (Clone** Revision: 08/13/2019 **HTA125**) Supersedes Revision: 05/09/2013 according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2015/830 and US OSHA HCS 2015 Section 1. Identification of the Substance/Mixture and of the Company/Undertaking **Product Code:** 13589 **Product Name:** Toll-Like Receptor 4 Monoclonal Antibody (Clone HTA125) TLR4; Synonyms: 1.2 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 number: CHEMTREC Within USA and Canada: **Emergency Contact:** +1 (800)424-9300 CHEMTREC Outside USA and Canada: +1 (703)527-3887 Section 2. Hazards Identification **Classification of the Substance or Mixture:** 2.2 Label Elements: **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 Material may be irritating to the mucous membranes and upper respiratory tract. Adverse Human Health **Effects and Symptoms:** May be harmful by inhalation, ingestion, or skin absorption. May cause eye, skin, or respiratory system irritation. To the best of our knowledge, the toxicological properties have not been thoroughly investigated. Section 3. Composition/Information on Ingredients CAS#/ Hazardous Components (Chemical Name)/ Concentration EC No./ **GHS Classification RTECS # REACH Registration No.** EC Index No. NA Toll-Like Receptor 4 Monoclonal Antibody (Clone 0.05 % NA No data available. NA HTA125) NA 9048-46-8 Bovine Serum Albumin (BSA) 232-936-2 0.05 % Acute Tox.(O) 4: H302 AY9296000 NA

0.05 %

0.801 %

0.016 %

Multi-region format

Acute Tox.(O) 2: H300

No GHS classifications apply.

No GHS classifications apply.

Aquatic (A) 1: H400 Aquatic (C) 1: H410

247-852-1

231-598-3

231-913-4

NA

NA

011-004-00-7

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Cay	man	-		HTA125)	I Allubouy (Revision: 08/13/2019 Supersedes Revision: 05/09/2013			
755	8-79-4 Soc	lium phosphate, I	Dibasic	0.142 %	231-448-7	No data available.			
WC45	500000 01-2	2119489797-11			NA				
		assium chloride 2119539416-36		0.018 %	231-211-8 NA	No GHS classifications apply.			
	2-18-5 Wat 10000 na	ter		98.873 %	231-791-2 NA	No GHS classifications apply.			
	·		Section 4.	First Aid Meas	sures				
4.1	Description	escription of First Aid							
	Measures:								
	In Case of I	nhalation:	Remove to fresh air. If not Get immediate medical atte		ial respiration or g	give oxygen by trained personnel.			
	In Case of S	Skin Contact:	Immediately wash skin with clothing. Get medical atten			20 minutes. Remove contaminated before reuse.			
	In Case of I	Eye Contact:	Hold eyelids apart and flus and tested by medical pers		water for at least	20 minutes. Have eyes examined			
	In Case of I	ngestion:		• •		give anything by mouth to an iting unless directed to do so by			
			Section 5. Fir	e Fighting Me	easures				
5.1	Media:	uitable ExtinguishingUse alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.ledia:Use water spray to cool fire-exposed containers.nsuitable ExtinguishingA solid water stream may be inefficient.							
5.2		Media: Flammable Properties andNo data available. Hazards:							
			No data available.						
	Flash Pt:		No data.						
	Explosive L		LEL: No data.	UEL: No	data.				
	Autoignitio		No data.						
5.3	Fire Fightin	g Instructions	: As in any fire, wear self-co equivalent), and full protec			-demand (NIOSH approved or and eyes.			
			Section 6. Accide	ental Release	Measures				
6.1 6.2	Protective I Emergency	Protective Precautions,Avoid breathing vapors and provide adequate ventilation.Protective Equipment andAs conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).EnvironmentalTake steps to avoid release into the environment, if safe to do so.							
	Precaution	s:	·						
6.3			[.] Contain spill and collect, a g Transfer to a chemical wa		oosal in accordand	e with local regulations.			
			Section 7. Ha	andling and S	storage				
7.1 7.2	in Handling	:	Avoid breathing dust/fume, Avoid prolonged or repeate Keep container tightly clos	ed exposure.	ray.				
	in Storing:		Store in accordance with in		he product insert.				

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8.1	Exposure Parameters:							
CAS	# Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations				
26628	3-22-8 Sodium azide	ACGIH TLV	CEIL: 0.29 mg/m3					
		Europe	TWA: 0.1 mg/m3	Skin Absorptio				
			STEL: 0.3 mg/m3					
		France VL	TWA: 0.1 mg/m3					
		Britain EH40	STEL: 0.3 mg/m3 TWA: 0.1 mg/m3 ()	Skin Absorptio				
			STEL: 0.3 mg/m3 ()	Skin Absorpti				
.2	Exposure Controls:							
.2.1	-	Jse process enclosures, lo	ocal exhaust ventilation, or other engineering contr	rols to control airbor				
	• •	evels below recommended						
.2.2	Personal protection equipment:							
	Eye Protection:	Safety glasses						
	Protective Gloves:	Compatible chemical-resist	atible chemical-resistant gloves					
	Other Protective Clothing:L	ab coat						
		NOSH approved respirator	r, as conditions warrant.					
	(Specify Type):							
	Work/Hygienic/Maintenan	Do not take internally.						
			ties storing or utilizing this material should be equipped with an eyewash and a safety showe					
	Wash thoroughly after handling.							
	١	lo data available.						
	<u>So</u>	ction 0 Physical	and Chemical Properties					
			•					
.1	-	-	nd Chemical Properties					
	Physical States:		[] Gas [X] Liquid [] Solid 100 μg of Protein G purified IgG in 200 μI PBS containing 0.05% BSA and 0.05% sodium					
	Appearance and Odor:		punned igg in 200 µr PBS containing 0.05% BSA	A and 0.05% sodium				
	pH:		azide No data.					
	рп.							
	•							
	Melting Point:	No data.						
	Melting Point: Boiling Point:	No data. No data.						
	Melting Point: Boiling Point: Flash Pt:	No data. No data. No data.						
	Melting Point: Boiling Point: Flash Pt: Evaporation Rate:	No data. No data. No data. No data.						
	Melting Point: Boiling Point: Flash Pt: Evaporation Rate: Flammability (solid, gas):	No data. No data. No data. No data. No data available.	LIEL : No doto					
	Melting Point: Boiling Point: Flash Pt: Evaporation Rate: Flammability (solid, gas): Explosive Limits:	No data. No data. No data. No data. No data available. LEL: No data.	UEL: No data.					
	Melting Point: Boiling Point: Flash Pt: Evaporation Rate: Flammability (solid, gas): Explosive Limits: Vapor Pressure (vs. Air or r	No data. No data. No data. No data. No data available. LEL: No data.	UEL: No data.					
	Melting Point: Boiling Point: Flash Pt: Evaporation Rate: Flammability (solid, gas): Explosive Limits: Vapor Pressure (vs. Air or n Hg):	No data. No data. No data. No data. No data available. LEL: No data. mm No data.	UEL: No data.					
	Melting Point: Boiling Point: Flash Pt: Evaporation Rate: Flammability (solid, gas): Explosive Limits: Vapor Pressure (vs. Air or n Hg): Vapor Density (vs. Air = 1):	No data. No data. No data. No data. No data available. LEL: No data. mm No data.	UEL: No data.					
	Melting Point: Boiling Point: Flash Pt: Evaporation Rate: Flammability (solid, gas): Explosive Limits: Vapor Pressure (vs. Air or n Hg): Vapor Density (vs. Air = 1): Specific Gravity (Water = 1)	No data. No data. No data. No data. No data available. LEL: No data. mm No data. No data.	UEL: No data.					
	Melting Point: Boiling Point: Flash Pt: Evaporation Rate: Flammability (solid, gas): Explosive Limits: Vapor Pressure (vs. Air or n Hg): Vapor Density (vs. Air = 1): Specific Gravity (Water = 1) Solubility in Water:	No data. No data. No data. No data. No data available. LEL: No data. mm No data. No data. No data. No data. No data.	UEL: No data.					
	Melting Point: Boiling Point: Flash Pt: Evaporation Rate: Flammability (solid, gas): Explosive Limits: Vapor Pressure (vs. Air or n Hg): Vapor Density (vs. Air = 1): Specific Gravity (Water = 1)	No data. No data. No data. No data. No data available. LEL: No data. mm No data. No data.	UEL: No data.					

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				HTA	125)	S	upersedes Revis	sion: 05/09/201	
	Autoign	ition Pt:	N	lo data.					
	Decomp	osition Temperat	ure: N	lo data.					
	Viscosit	y:	N	lo data.					
9.2	Other Inf	ormation							
	Percent	Volatile:	N	lo data.					
			Se	ction 10. Stability a	and Reacti	vity			
10.1	Reactivi	ty:	No data	available.					
10.2	Stability: Unstabl			e [] Stable [X]					
10.3	Stability Note(s):		Stable if stored in accordance with information listed on the product insert.						
	Polymer	ization:	Will occur [] Will not occur [X]						
10.4	-			available.					
10.5 Incompatibility - Materials		s No data	available.						
	To Avoi	d:							
10.6	Hazardo	ous	No data	available.					
	Decomposition or								
	Byprodu	ucts:							
			Sec	tion 11. Toxicologi	cal Informa	ation			
11.1	Informat	tion on	The toxicological effects of this product have not been thoroughly studied.						
	Toxicolo	ogical Effects:	Sodium azide - Toxicity Data: Oral LD50 (rat): 27 mg/kg; Oral TDLO (woman): 3 mg/kg;						
			Intraperitoneal LDLO (rat): 30 mg/kg; Subcutaneous LD50 (rat): 45100 ug/kg;						
	Chronic	Toxicological	Sodium azide - Investigated as an agricultural chemical, drug, mutagen, reproductive effector, an						
	Effects:		tumorigen.						
		Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here.							
				al entry in RTECS for compl					
				azide RTECS Number: VY80					
	nogenicity		NTP? No	5 1		egulated? No			
CAS			•	(Chemical Name)	NTP	IARC	ACGIH	OSHA	
	NA	Toll-Like Recepto	or 4 Monoc	clonal Antibody (Clone HTA1	25) n.a.	n.a.	n.a.	n.a.	
9048-46-8		Bovine Serum All	bumin (BS	SA)	n.a.	n.a.	n.a.	n.a.	
26628-22-8 Sodium azide		Sodium azide			n.a.	n.a.	A4	n.a.	
7647-14-5 Sodium chloride				n.a.	n.a.	n.a.	n.a.		
7778-77-0 Potassium phos		Potassium phosp	hate, Mor	obasic	n.a.	n.a.	n.a.	n.a.	
7558-79-4 Sodium phospha		Sodium phosphat	te, Dibasio		n.a.	n.a.	n.a.	n.a.	
		Potassium chlorid	de		n.a.	n.a.	n.a.	n.a.	
773	2-18-5	Water			n.a.	n.a.	n.a.	n.a.	
		ł	Se	ection 12. Ecologica	al Informat	ion	ł		
12.1	Toxicity	:		lease into the environment.					
	-		Runoff from fire control or dilution water may cause pollution.						
12.2	Persiste	nce and	No data available.						
	Degrada								
12.3	-	mulative	No data	available.					
	Potentia								
12.4	Mobility		No data	available.					
12.5	-	of PBT and vPvB							
. 2.0	Results								
							-		



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HTA125) Supersedes Revision: 05/09/2013 assessment: 12.6 Other adverse effects: No data available. Section 13. Disposal Considerations 13.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. Section 14. Transport Information 14.1 LAND TRANSPORT (US DOT): DOT Proper Shipping Name: Not dangerous goods. **DOT Hazard Class: UN/NA Number:** 14.1 LAND TRANSPORT (European ADR/RID): **ADR/RID Shipping Name:** Not dangerous goods. **UN Number:** Hazard Class: 14.3 AIR TRANSPORT (ICAO/IATA): ICAO/IATA Shipping Name: Not dangerous goods. Additional Transport Transport in accordance with local, state, and federal regulations. Information: Section 15. Regulatory Information EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists CAS # S. 302 (EHS) Hazardous Components (Chemical Name) S. 304 RQ S. 313 (TRI) Toll-Like Receptor 4 Monoclonal Antibody (Clone NA No No No HTA125) Bovine Serum Albumin (BSA) 9048-46-8 No No No 26628-22-8 Sodium azide Yes 500 LB Yes 1000 LB Yes 7647-14-5 No Sodium chloride No No 7778-77-0 Potassium phosphate, Monobasic No No No 7558-79-4 Yes 5000 LB Sodium phosphate, Dibasic No No 7447-40-7 Potassium chloride No No No 7732-18-5 Water No No No CAS # Hazardous Components (Chemical Name) Other US EPA or State Lists Toll-Like Receptor 4 Monoclonal Antibody (Clone CAA HAP, ODC: No; CWA NPDES: No; TSCA: No; CA NA HTA125) PROP.65: No Bovine Serum Albumin (BSA) CAA HAP, ODC: No; CWA NPDES: No; TSCA: Yes -9048-46-8 Inventory: Active; CA PROP.65: No CAA HAP, ODC: No; CWA NPDES: No; TSCA: Yes -26628-22-8 Sodium azide Inventory; CA PROP.65: No 7647-14-5 Sodium chloride CAA HAP, ODC: No; CWA NPDES: No; TSCA: Yes -Inventory; CA PROP.65: No 7778-77-0 Potassium phosphate, Monobasic CAA HAP, ODC: No; CWA NPDES: No; TSCA: Yes -Inventory; CA PROP.65: No 7558-79-4 CAA HAP, ODC: No; CWA NPDES: No; TSCA: Yes -Sodium phosphate, Dibasic Inventory; CA PROP.65: No 7447-40-7 CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -Potassium chloride Inventory; CA PROP.65: No

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0	ayman	
F	7732-18-5	Water

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Foll-Like Receptor 4 Monoclonal Antibody (Clone

HTA125)

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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:	08/13/2019				
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.				