

Revision: 02/18/2016 Supersedes Revision: 04/03/2015

		aaard	ing to Regulation (EC) No. 100	7/2006 as amondod by				
			ing to Regulation (EC) No. 190					
		Section 1. Ide	entification of the Substan	ce/Mixture and of t	he Company/Ur	ndertaking		
1.1	Product		700274					
	Product	t Name:	G6PDH Substrate					
1.2	Relevant identified uses of the substance or mixture and uses advised against:							
	Releva	ant identified uses:	For research use only, no	ot for human or veteri	inary 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	any				
	Web s	ite address:	www.caymanchem.com					
	Inform	nation:	Cayman Chemical Comp	any	+1 (734	4)971-3335		
1.4	Emerge	ency telephone number	er:					
	Emerg	gency Contact:	CHEMTREC Within USA	and Canada:		0)424-9300		
			CHEMTREC Outside US	A and Canada:	+1 (703	3)527-3887		
			Section 2. Haz	zards Identific	ation			
2.1	Classifi	cation of the Substar	nce or Mixture:					
2.2	Label E	lements:						
2.3	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. To the best of our knowledge, the toxicological properties have not been thoroughly investigated					piratory tract. been thoroughly investigated.		
CAS	;#/	I	n 3. Composition	Concentration	EC No./	GHS Classification		
	CS #	REACH Registration			EC Index No.			
3671-99-6 NA		D-Glucose-6-phosphate	3	100.0 %	222-938-1 NA	No data available.		
						Multi-region forma		



Revision: 02/18/2016 Supersedes Revision: 04/03/2015

			Section 4	4. First Aid Measure	es			
4.1 Description of First Aid								
	Measure	es:						
	In Case	of Inhalation:	Remove to fresh air. If Get immediate medica	f not breathing, give artificial re al attention.	espiration or give oxygen by	trained personnel.		
	In Case	of Skin Contact:	-	n with soap and plenty of water for at least 15 minutes. Remove contaminated attention if symptoms occur. Wash clothing before reuse.				
	In Case	of Eye Contact:	Hold eyelids apart and and tested by medical	I flush eyes with plenty of water for at least 15 minutes. Have eyes examined personnel.				
	In Case	of Ingestion:		water provided person is cons Get medical attention. Do NOT		-		
			Section 5.	Fire Fighting Meas	ures			
5.1	Suitable	e Extinguishing	Use alcohol-resistant	foam, carbon dioxide, water, c	or dry chemical spray.			
	Media:		Use water spray to cool fire-exposed containers.					
	Unsuita Media:	ble Extinguishing	A solid water stream i	may be inefficient.				
5.2	Flamma	ble Properties an	dNo data available.					
	Hazards	5:						
			No data available.					
	Flash P	t:	No data.					
	Explosi	ve Limits:	LEL: No data.	UEL: No data.				
	Autoign	ition Pt:	No data.					
5.3	Fire Fig	hting Instructions	s:As in any fire, wear se	elf-contained breathing appara	tus pressure-demand (NIOS	H approved or		
			equivalent), and full p	rotective gear to prevent conta	act with skin and eyes.			
			Section 6. Acc	cidental Release Me	easures			
6.1	Protecti	ve Precautions,	Avoid raising and bre	eathing dust, and provide adeq	uate ventilation.			
	Protective Equipment and As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,							
	Emerge	ncy Procedures:	and appropriate pers	onal protection (rubber boots,	safety goggles, and heavy ru	ubber gloves).		
6.2 Environmental Take steps to avoid release into the environment, if safe to do so.								
	Precaut	ions:						
6.3	3 Methods and Material For Contain spill and collect, as appropriate.							
	Contain	ment and Cleanir	ngTransfer to a chemica	al waste container for disposal	in accordance with local reg	julations.		
	Up:							
			Section 7.	Handling and Stor	age			
7.1	Precaut	ions To Be Taken	Avoid breathing dust/	fume/gas/mist/vapours/spray.				
	in Hand	ling:	Avoid prolonged or re	peated exposure.				
7.2	Precautions To Be Taken Keep container tightly closed.							
	in Storiı	ng:	Store in accordance v	vith information listed on the p	roduct insert.			
		Sec	tion 8. Exposu	re Controls/Persona	al Protection			
8.1	Exposur	e Parameters:						
CAS	#	Partial Chemical	Name	Britain EH40	France VL	Europe		
367	1-99-6	D-Glucose-6-pho	sphate	No data.	No data.	No data.		
		•			•	•		

Multi-region format



## SAFETY DATA SHEET **G6PDH Substrate**

Revision: 02/18/2016 Supercodes Povision

CAS # 3671-99-6		Partial Chemical Name     6   D-Glucose-6-phosphate		OSHA TWA	ACGIH TWA	Other Limits			
				No data.	No data.	No data.			
3.2		re Controls:							
<b>8.2.1 Engineering Controls</b> Use process enclosures, local exhaust ventilation, or other engineering controls to						ls to control airborn			
(Ventilation etc.): levels below recommended exposure limits.									
3.2.2	-	al protection equi	pment:						
	Eye Protection: Safety glasses								
	-		Compatible chemical-	resistant gloves					
	Other Protective Clothing:L								
	Respiratory Equipment NIOSH		NIOSH approved resp	SH approved respirator, as conditions warrant.					
	(Specify Type):								
	Work/H	Work/Hygienic/Maintenan Do not take internally.							
	ce Practices: F		Facilities storing or ut	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety					
			shower.						
			Wash thoroughly after	r handling.					
			No data available.						
		S	ection 9. Phys	ical and Chemical F	Properties				
9.1	Informat	tion on Basic Phy	sical and Chemical Pr	operties					
	Physica	al States:	[ ] Gas [	] Liquid [X] Solid					
	Appear	ance and Odor:	A lyophilized p	bowder					
	Melting		No data.						
	Boiling		No data.						
	Flash P		No data.						
	-	ation Rate:	No data.						
		ability (solid, gas):							
	-	ve Limits:	LEL: No data	. UEL: M	lo data.				
	-	Pressure (vs. Air o	<b>r mm</b> No data.						
	Hg): Vapor F	Density (vs. Air = 1	): No data.						
	-	c Gravity (Water =	,						
	-	ty in Water:	No data.						
		ty Notes:	Soluble in: H2	0.					
		nition Pt:	No data.	,					
n n	-		no uala.						
9.2		formation	No dete						
		: Volatile:	No data.	No. 204.1					
	Molecular Formula & Weight:   C6H1109P.2Na   304.1     Section 10. Stability and Reactivity								
	Dunit			Stability and React	ινιιγ				
10.1 10.2	Reactiv Stability	-	No data available. Unstable [ ] Stat	ble [ X ]					
10.2	-	y: y Note(s):		cordance with information listed	on the product insert				
10.5	-				i on the product insert.				
10 4	-	rization:		ll not occur [ X ]					
10.4		ons To Avoid:	No data available.	to					
10.5	Incompatibility - Materials strong oxidizing agents								
10 6	To Avoi		carbon diavida						
10.6	Hazardo	JUS	carbon dioxide						
						Multi-region forn			



	Revision.	02/10/2010
Supersedes	Revision:	04/03/2015

Decomposition or		osition or	carbon monoxide						
	Byproducts:		phosphorus oxides						
			sodium oxides						
	Section 11. Toxicological Information								
11.1	Informa	Information on The toxicological effects of this product have not been thoroughly studied.							
	Toxicolo	ogical Effects:							
CAS	#	Hazardous Com	ponents (Chemical Name)	NT	۲ P	ARC AC	GIH	OSHA	
367	71-99-6	D-Glucose-6-pho	sphate	n.a.	n	.a. n.a	1.	n.a.	
			Section 12. Ecolo	gical Infor	mation				
12.1	Toxicity	:	Avoid release into the environment.						
			Runoff from fire control or dilution water may cause pollution.						
12.2	Persiste	ence and	No data available.						
	Degrada	ability:							
12.3		imulative	No data available.						
	Potentia								
12.4	Mobility		No data available.						
12.5			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	al, state, and fed	eral regulat	ions.			
			Section 14. Trans	sport Infor	mation				
14.1	LAND T	RANSPORT (US I	DOT):						
D	OT Prope	er Shipping Name:	Not dangerous goods.						
D	OT Hazar	d Class:							
U	IN/NA Nur	mber:							
14.1	LAND T	RANSPORT (Euro	opean ADR/RID):						
		hipping Name:	Not dangerous goods.						
-	IN Numbe								
	lazard Cla		A = A \						
14.3		ANSPORT (ICAO/I	•						
		Shipping Name:	Not dangerous goods.	and state and fo					
	tional Trai mation:	nsport	Transport in accordance with lo	cal, state, and fe	ederal regul	ations.			
				- (					
			Section 15. Regul		mation				
EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists									
CAS			ponents (Chemical Name)	S. 302 (EHS)		04 RQ	S. 313 (	TRI)	
367	′1-99-6	D-Glucose-6-pho	sphate	No	No		No		
CAS		Hazardous Com	azardous Components (Chemical Name)		Other US EPA or State Lists				
3671-99-6 D-Glu		D-Glucose-6-pho	sphate	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No					
		<b>I</b>		ļ					
							Mu	lti-region form	



Revision: 02/18/2016 upersedes Revision: 04/03/2015

CHEMICAL	Supersedes Revision: 04/03/2015
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:	02/18/2016
Additional Information About	No data available.
This Product:	
	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.