

Revision: 07/01/2018 Supersedes Revision: 03/26/2018

Section 1. I Code: Name: identified uses of it identified uses: the Supplier of t by Name: e address: tion: cy telephone num ncy Contact: tion of the Subst ments: gnal Word: nzard Phrases: on evaluation of cu	he Safety Data Sheet: Cayman Chemical Compu- 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 www.caymanchem.com Cayman Chemical Compu- nber: CHEMTREC Within USA CHEMTREC Outside USA Section 2. Haz	ce/Mixture and of <b>nd uses advised a</b> ot for human or vete any any and Canada: A and Canada:	the Company/Ui gainst: rinary use. +1 (73- +1 (80 +1 (70						
Code: Name: identified uses of it identified uses: the Supplier of t ny Name: e address: tion: cy telephone num ncy Contact: tion of the Subst ments: gnal Word: nzard Phrases: on evaluation of cu	400012 96-Well Cover Sheet f the substance or mixture a For research use only, no he Safety Data Sheet: Cayman Chemical Compu- 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 www.caymanchem.com Cayman Chemical Compu- hber: CHEMTREC Within USA CHEMTREC Outside USA Section 2. Haz rance or Mixture:	nd uses advised a ot for human or vete any any and Canada: A and Canada:	gainst: rinary use. +1 (73- +1 (80 +1 (70	4)971-3335 0)424-9300					
Jame: identified uses of it identified uses: the Supplier of t ny Name: e address: tion: cy telephone num ncy Contact: tion of the Subst ments: gnal Word: azard Phrases: on evaluation of cu	96-Well Cover Sheet f the substance or mixture a For research use only, no he Safety Data Sheet: Cayman Chemical Comp. 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 www.caymanchem.com Cayman Chemical Comp. hber: CHEMTREC Within USA CHEMTREC Outside US, Section 2. Haz ance or Mixture: None	ot for human or vete any any and Canada: A and Canada:	+1 (73- +1 (73- +1 (80 +1 (70	0)424-9300					
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ny Name: e address: tion: cy telephone num ncy Contact: ments: gnal Word: izard Phrases: on evaluation of cu	Cayman Chemical Comp 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 www.caymanchem.com Cayman Chemical Comp ber: CHEMTREC Within USA CHEMTREC Outside USA Section 2. Haz rance or Mixture: None	any and Canada: A and Canada:	+1 (80 +1 (70	0)424-9300					
ny Name: e address: tion: cy telephone num ncy Contact: ments: gnal Word: izard Phrases: on evaluation of cu	Cayman Chemical Comp 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 www.caymanchem.com Cayman Chemical Comp ber: CHEMTREC Within USA CHEMTREC Outside USA Section 2. Haz rance or Mixture: None	any and Canada: A and Canada:	+1 (80 +1 (70	0)424-9300					
tion: cy telephone num ncy Contact: ation of the Subst ments: gnal Word: izard Phrases: on evaluation of cu	Ann Arbor, MI 48108 www.caymanchem.com Cayman Chemical Compo- nber: CHEMTREC Within USA CHEMTREC Outside USA Section 2. Haz rance or Mixture: None	and Canada: A and Canada:	+1 (80 +1 (70	0)424-9300					
tion: cy telephone num ncy Contact: ation of the Subst ments: gnal Word: izard Phrases: on evaluation of cu	www.caymanchem.com Cayman Chemical Companisher: CHEMTREC Within USA CHEMTREC Outside USA Section 2. Haz rance or Mixture: None	and Canada: A and Canada:	+1 (80 +1 (70	0)424-9300					
tion: cy telephone num ncy Contact: ation of the Subst ments: gnal Word: izard Phrases: on evaluation of cu	Cayman Chemical Comp her: CHEMTREC Within USA CHEMTREC Outside USA Section 2. Haz ance or Mixture: None	and Canada: A and Canada:	+1 (80 +1 (70	0)424-9300					
ttion of the Subst ments: gnal Word: uzard Phrases:	nber: CHEMTREC Within USA CHEMTREC Outside USA Section 2. Haz nance or Mixture:	and Canada: A and Canada:	+1 (80 +1 (70	0)424-9300					
ncy Contact: ntion of the Subst ments: gnal Word: nzard Phrases: on evaluation of cu	CHEMTREC Within USA CHEMTREC Outside US Section 2. Haz ance or Mixture:	A and Canada:	+1 (70						
ntion of the Subst ments: gnal Word: nzard Phrases: on evaluation of cu	CHEMTREC Outside US/ Section 2. Haz rance or Mixture: None	A and Canada:	+1 (70						
ments: gnal Word: izard Phrases: on evaluation of cu	Section 2. Haz ance or Mixture: None			0,021 0001					
ments: gnal Word: izard Phrases: on evaluation of cu	ance or Mixture: None	zards Identific							
ments: gnal Word: izard Phrases: on evaluation of cu	None								
gnal Word: nzard Phrases: n evaluation of cu									
<b>izard Phrases:</b> on evaluation of cu									
n evaluation of cu	rrently available data this subs								
	rrently available data this subs		GHS Hazard Phrases:						
ecaution Phrases	-	stance or mixture is	not classifiable ac	cording to GHS.					
	GHS Precaution Phrases:								
ses apply.									
GHS Response Phrases:									
ses apply. orage and Dispos	al Phrasas								
•	or Storage and Section 13 for	Disposal informatio	n						
Human Health	Material may be irritating to th	-		piratory tract.					
	May cause eye, skin, or respi	iratory system irritati	ion.						
	To the best of our knowledge	, the toxicological p	roperties have not	been thoroughly investigated					
Sect	ion 3. Composition	/Information	on Ingredie	nts					
=		Concentration	EC No./ EC Index No.	GHS Classification					
1	azardous Comp	May cause eye, skin, or resp To the best of our knowledge	May cause eye, skin, or respiratory system irritat To the best of our knowledge, the toxicological provide the section 3. Composition/Information azardous Components (Chemical Name)/ Concentration	May cause eye, skin, or respiratory system irritation. To the best of our knowledge, the toxicological properties have not Section 3. Composition/Information on Ingredie azardous Components (Chemical Name)/ Concentration EC No./					



Revision: 07/01/2018 Supersedes Revision: 03/26/2018

		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	A solid water stream may be inefficient.
	Media:	
5.2	Flammable Properties an	dNo data available.
	Hazards:	
		No data available.
	Flash Pt:	No data.
	Explosive Limits:	LEL: No data. UEL: No data.
	Autoignition Pt:	No data.
5.3	Fire Fighting Instructions	<b>s:</b> 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.
		Section 6. Accidental Release Measures
6.1	Protective Precautions,	Avoid raising and breathing dust, and provide adequate ventilation.
	Protective Equipment an	d As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,
	Emergency Procedures:	and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).
6.2	Environmental Precautions:	Take steps to avoid release into the environment, if safe to do so.
6.3	Methods and Material Fo	r Contain spill and collect, as appropriate.
	Containment and Cleanir	ngTransfer to a chemical waste container for disposal in accordance with local regulations.
	Up:	
		Section 7. Handling and Storage
7.1	Precautions To Be Taken	Avoid breathing dust/fume/gas/mist/vapours/spray.
	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.
	Sec	tion 8. Exposure Controls/Personal Protection
8.1	Exposure Parameters:	



8.2	Exposure Controls:	
8.2.1	Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne
	(Ventilation etc.):	levels below recommended exposure limits.
8.2.2		
0.2.2	Eye Protection:	Safety glasses
	Protective Gloves:	Compatible chemical-resistant gloves
	Other Protective Clothing	-
	Respiratory Equipment	NIOSH approved respirator, as conditions warrant.
	(Specify Type):	
	Work/Hygienic/Maintena	-
	ce Practices:	Facilities storing or utilizing this material should be equipped with an eyewash and a safety showed
		Wash thoroughly after handling.
		No data available.
	S	Section 9. Physical and Chemical Properties
9.1	Information on Basic Phy	rsical and Chemical Properties
	Physical States:	[]Gas []Liquid [X]Solid
	Appearance and Odor:	96-Well Cover Sheet
	pH:	No data.
	Melting Point:	No data.
	Boiling Point:	No data.
	Flash Pt:	No data.
	Evaporation Rate:	No data.
	Flammability (solid, gas)	: No data available.
	Explosive Limits:	LEL: No data. UEL: No data.
	Vapor Pressure (vs. Air o	or mm No data.
	Hg):	
	Vapor Density (vs. Air = <sup>2</sup>	1): No data.
	Specific Gravity (Water =	= 1): No data.
	Solubility in Water:	No data.
	Octanol/Water Partition	No data.
	Coefficient:	
	Autoignition Pt:	No data.
	Decomposition Tempera	
	Viscosity:	No data.
0.0	Other Information	
9.2		
	Percent Volatile:	No data.
		Section 10. Stability and Reactivity
10.1	Reactivity:	No data available.
10.2	Stability:	Unstable [ ] Stable [ X ]
10.3	Stability Note(s):	Stable if stored in accordance with information listed on the product insert.
	Polymerization:	Will occur [ ] Will not occur [ X ]
10.4	Conditions To Avoid:	No data available.
10.5	Incompatibility - Material	s No data available.
	To Avoid:	
10.6	Hazardous	No data available.
		Multi-region form



Multi-region format

Revision: 07/01/2018 Supersedes Revision: 03/26/2018

	Decomposition or							
	Byprodu	cts:						
	Section 11. Toxicological Information							
11.1	<b>1.1 Information on</b> The toxicological effects of this product have not been thoroughly studied.							
	Toxicolo	gical Effects:						
CAS #	ŧ	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
			Section 12. Ecolo	gical Inform	ation			
12.1	<b>12.1</b> Toxicity:       Avoid release into the environment.							
Runoff from fire control or dilution water may cause pollution.								
12.2	Persiste Degrada		No data available.					
12.3	Bioaccu Potentia		No data available.					
12.4	Mobility	in Soil:	No data available.					
12.5	-		No data available.					
	assessm	ient:						
12.6	Other ad	verse effects:	No data available.					
			Section 13. Dispos	al Consider	ations			
13.1	Waste D	isposal Method:	Dispose in accordance with loca	l, state, and federa	al regulations.			
Section 14. Transport Information								
14.1	14.1 LAND TRANSPORT (US DOT):							
D	OT Prope	r Shipping Name:	Not dangerous goods.					
D	OT Hazaro	d Class:						
U	N/NA Num	nber:						
14.1	LAND T	RANSPORT (Euro	opean ADR/RID):					
AI	DR/RID SI	nipping Name:	Not dangerous goods.					
	N Number							
Ha	azard Clas							
14.3		NSPORT (ICAO/I	-					
		Shipping Name:	Not dangerous goods.					
	ional Tran nation:	isport	Transport in accordance with loo	cal, state, and fede	eral regulations.			
			Section 15. Regula	atory Inform	ation			
EPA S	SARA (Su	perfund Amendm	ents and Reauthorization Act of	-				
CAS #	ŧ	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 31	3 (TRI)	
CAS #	ŧ	Hazardous Com	ponents (Chemical Name)	Other US EPA o	or State Lists			



Supersedes Revision: 03/26/2018

CHEMICAL	Supersedes Revision: 03/26/2018
Regulatory Information	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC)
Statement:	No.1272/2008.
	Section 16. Other Information
Revision Date:	07/01/2018
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.



#### **SAFETY DATA SHEET** 96-Well Solid Plate (white)

Revision: 05/23/2016 Supersedes Revision: 07/10/2013

	according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008							
	Section 1. Identification of the Substance/Mixture and of the Company/Undertaking							
1.1	Product Product		400013 96-Well Solid Plate (white	e)				
1.2	Relevan	t identified uses of t	he substance or mixture a	nd uses advised ag	jainst:			
	Releva	ant identified uses:	For research use only, no	ot for human or veteri	inary use.			
1.3	Details of	of the Supplier of the	e 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	ation:	Cayman Chemical Comp	any	+1 (734	4)971-3335		
1.4	Emerge	ncy telephone numb	er:					
	Emerg	ency Contact:	CHEMTREC Within USA	and Canada:	+1 (80	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 Substa	nce or Mixture:					
2.2	Label El	ements:						
	GHS Signal Word: None							
		lazard Phrases:						
	Based	on evaluation of curre	ently available data this subs	stance or mixture is n	ot classifiable ac	cording to GHS.		
	GHS F	Precaution Phrases:						
	No ph	rases apply.						
	GHS F	Response Phrases:						
	No ph	rases apply.						
	GHS S	Storage and Disposa	I Phrases:					
	Please	e refer to Section 7 for	Storage and Section 13 for	Disposal information	ı.			
2.3	Advers		laterial may be irritating to the			piratory tract.		
	Effects	, ,	lay be harmful by inhalation		•			
			lay cause eye, skin, or resp to the best of our knowledge			been thoroughly investigated.		
					-			
		Sectio	on 3. Composition	/Information c	on Ingredie	nts		
CAS RTE	;#/ CS#	Hazardous Compor REACH Registratio	nents (Chemical Name)/ n No.	Concentration	EC No./ EC Index No.	GHS Classification		
NA NA		96-Well Solid Plate (bla	ack or white)	100.0 %	NA NA	No data available.		
						Multi-region format		



#### **SAFETY DATA SHEET** 96-Well Solid Plate (white)

Revision: 05/23/2016 Supersedes Revision: 07/10/2013

			Section 4	4. First Aid Measure	es	
4.1	Descrip	tion of First Aid				
	Measur	es:				
	In Case	of Inhalation:	Remove to fresh air. I	f not breathing, give artificial re	espiration or give oxygen by	trained personnel.
			Get immediate medica	al attention.		
	In Case	of Skin Contact:	Immediately wash ski	n with soap and plenty of wate	r for at least 20 minutes. Re	move contaminated
			clothing. Get medical	attention if symptoms occur. W	lash clothing before reuse.	
	In Case	of Eye Contact:		d flush eyes with plenty of wate	er for at least 20 minutes. Ha	ve eyes examined
			and tested by medical			
	In Case	of Ingestion:		water provided person is cons	• • •	•
			medical personnel.	Get medical attention. Do NOT	induce vomiting unless dire	cted to do so by
<b></b>						
			Section 5.	Fire Fighting Meas	ures	
5.1	Suitable	e Extinguishing		foam, carbon dioxide, water, c	or dry chemical spray.	
	Media:		Use water spray to co	ool fire-exposed containers.		
		ble Extinguishing	A solid water stream	may be inefficient.		
	Media:					
5.2		-	<b>d</b> No data available.			
	Hazards	5:	No dete evellete			
			No data available.			
	Flash P		No data.	UEL No doto		
	-	ve Limits:	LEL: No data.	UEL: No data		
5.0	-	nition Pt:	No data.	olf anotained hypothing annous	tue measure demand (NIIOC	
5.3	Fire Fig	inting instructions	-	elf-contained breathing appara rotective gear to prevent conta		
			Section 6. Acc	cidental Release Me	easures	
6.1	Protect	ive Precautions,	Avoid raising and bre	eathing dust, and provide adeq	uate ventilation.	
	Protect	ive Equipment and	<b>d</b> As conditions warran	t, wear a NIOSH approved sel	f-contained breathing appara	atus, or respirator,
	Emerge	ency Procedures:	and appropriate pers	onal protection (rubber boots,	safety goggles, and heavy re	ubber gloves).
6.2	Environ	nmental	Take steps to avoid r	elease into the environment, if	safe to do so.	
	Precaut	tions:				
6.3			r Contain spill and coll			
		ment and Cleanir	ig I ransfer to a chemic	al waste container for disposal	in accordance with local reg	julations.
	Up:					
			Section 7.	Handling and Stor	age	
7.1	Precaut	tions To Be Taken	Avoid breathing dust/	fume/gas/mist/vapours/spray.		
	in Hand	lling:	Avoid prolonged or re	epeated exposure.		
7.2	Precaut	tions To Be Taken	Keep container tightly			
	in Stori	ng:	Store in accordance v	with information listed on the p	roduct insert.	
		Sec	tion 8. Exposu	re Controls/Persona	al Protection	
8.1	Exposu	re Parameters:	P - 2 -			
CAS	-	Partial Chemical	Name	Britain EH40	France VL	Europe
	NA	96-Well Solid Plat		No data.	No data.	No data.
		+		ļ	ļ	Į]
						Multi-region format

#### Page: 3 of 5

#### **SAFETY DATA SHEET** 96-Well Solid Plate (white)

Revision: 05/23/2016 Supersedes Revision: 07/10/2013

CAS	<u> </u>	Partial Chaminal	Name			\\/ A			vision: 07/10/2013
CAS	#	Partial Chemical			OSHA T	WA	ACGIH TWA		Other Limits
	NA	96-Well Solid Plate	e (black or v	/hite)	No data.		No data.		No data.
8.2	•	re Controls:							
8.2.1	Enginee	ering Controls	-			exhaust ventilation, o	or other engineering	g controls	to control airborn
	(Ventila	tion etc.):	levels belo	w recomm	mended exp	osure limits.			
8.2.2	Persona	al protection equip	oment:						
	Eye Pro	tection:	Safety glas	ses					
	Protecti	ive Gloves:	Compatible	) chemica	al-resistant o	gloves			
	Other P	rotective Clothing	:Lab coat						
	Respira	tory Equipment	NIOSH ap	proved re-	spirator, as	conditions warrant.			
	(Specify	/ Туре):							
	Work/H	ygienic/Maintenan	Do not tak	internall	ly.				
	ce Prac	tices:	Facilities s	oring or u	utilizing this	material should be	equipped with an e	yewash ar	nd a safety showe
			Wash thor	oughly aft	ter handling				
			No data av	ailable.					
		S	ection 9	. Phv	sical an	d Chemical F	Properties		
9.1	Informat						10001100		
J. I		tion on Basic Phys Il States:			[] Liquid	[ X ] Solid			
	•	ance and Odor:	L I Pla		[] Liquia	[ X ] 3010			
	Melting			data.					
	Boiling			data.					
	Flash P			data.					
		ation Rate:		data.					
		ability (solid, gas):		data avai	ilahle				
		ve Limits:		L: No dat		LIEI · I	No data.		
	-	Pressure (vs. Air o		data.		022.			
	Hg):			data.					
		Density (vs. Air = 1	): No	data.					
		c Gravity (Water =		data.					
	-	ty in Water:	-	data.					
		-		data.					
• •	-	hition Pt:	INO	uala.					
9.2		formation							
	Percent	Volatile:	No	data.					
			Sec	ion 10	). Stabil	ity and Reac	tivity		
10.1	Reactiv	ity:	No data av	ailable.					
10.2	Stability	/:	Unstable [	] St	able [ X ]				
10.3	Stability	/ Note(s):	Stable if st	ored in ac	ccordance w	vith information liste	d on the product ins	sert.	
	Polyme	rization:	Will occur	] V	Vill not occu	r [ X ]			
10.4	Conditio	ons To Avoid:	No data av	ailable.					
10.5	Incomp	atibility - Materials	No data av	ailable.					
-	To Avoi	-							
10.6	Hazardo		No data av	ailable.					
		position or							
	Byprod								
	-78.00								
									Multi-region form



#### **SAFETY DATA SHEET** 96-Well Solid Plate (white)

	Revision:	05/23/2016
Supersedes	Revision:	07/10/2013

	¢		ponents (Chemical Name)	NTD							
			,	CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA							
2.1		NA 96-Well Solid Plate (black or white)			n.a.	n.a.	n.a.				
2.1		ļ	Section 12. Ecol		ntion						
	Toxicity		Avoid release into the environ	<u> </u>							
	loxicity	•	Runoff from fire control or dilution water may cause pollution.								
2.2	Persiste	nce and	No data available.								
	Degrada	bility:									
2.3	Bioaccu	mulative	No data available.								
	Potentia	l:									
2.4	Mobility	in Soil:	No data available.								
2.5	Results	of PBT and vPvB	No data available.								
	assessn	nent:									
2.6	Other ac	lverse effects:	No data available.								
			Section 13. Dispo	sal Considera	ations						
13.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.											
			Section 14. Trar	nsport Informa	ation						
14.1	LAND T	RANSPORT (US I	DOT):	•							
DC		r Shipping Name:	-								
	OT Hazar										
UN	N/NA Nun	nber:									
14.1	LAND T	RANSPORT (Euro	opean ADR/RID):								
AC	DR/RID S	hipping Name:	Not dangerous goods.								
UN	N Numbe	r:									
На	azard Cla	SS:									
14.3		ANSPORT (ICAO/I	-								
		Shipping Name:	Not dangerous goods.								
	ional Trar	nsport	Transport in accordance with	ocal, state, and feder	al regulations.						
ntorm	nation:		• • • = =								
			Section 15. Regu	•	ation						
		1	ents and Reauthorization Act								
CAS #			ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ		3 (TRI)				
	NA	96-Well Solid Pla	te (black or white)	No	No	No					
CAS #			ponents (Chemical Name)	Other US EPA or							
I	NA	96-Well Solid Pla	te (black or white)	CAA HAP,ODC: PROP.65: No	No; CWA NPDE	S: No; TSCA	: No; CA				



#### **SAFETY DATA SHEET** 96-Well Solid Plate (white)

Page: 5 of 5

CHIMICAL	Supersedes Revision: 07/10/2013						
Regulatory Information	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC)						
Statement:	No.1272/2008.						
Section 16. Other Information							
evision Date: 05/23/2016							
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.						



	according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008							
Section 1. Identification of the Substance/Mixture and of the Company/Undertaking								
1.1	Product Code:400044Product Name:480 Well Kit Box							
1.2	.2 Relevant identified uses of the substance or mixture and uses advised against:							
	Releva	nt identified uses:	For research use only, no	ot for human or veteri	inary use.			
1.3	.3 Details of the Supplier of the Safety Data Sheet:							
	Company Name:Cayman Chemical Company1180 E. Ellsworth Rd.Ann Arbor, MI 48108							
	Web si	te address:	www.caymanchem.com					
	Inform	ation:	Cayman Chemical Comp	any	+1 (734	4)971-3335		
1.4	Emerger	ncy telephone numb	er:					
	Emerg	ency Contact:	CHEMTREC Within USA		-	0)424-9300		
			CHEMTREC Outside US			3)527-3887		
			Section 2. Haz	zards Identific	ation			
2.1	2.1 Classification of the Substance or Mixture:							
2.2	Label El	ements:						
	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:       GHS Precaution Phrases:							
	-	ases apply.						
		esponse Phrases:						
	-	ases apply. Storage and Disposa	l Phrasos					
				Disposal information	1.			
2.3	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.       May cause eye, skin, or respiratory system irritation.         To the best of our knowledge, the toxicological properties have not been thoroughly investigated.							
		Sectio	on 3. Composition	Information c	on Ingredier	nts		
CAS RTE		Hazardous Compor REACH Registration	nents (Chemical Name)/ n No.	Concentration	EC No./ EC Index No.	GHS Classification		
NA NA		480 Well Kit Box		100.0 %	NA NA	No data available.		



Revision: 02/12/2017 Supersedes Revision: 05/23/2016

		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	Flammable Properties an	dNo data available.
	Hazards:	
		No data available.
	Flash Pt:	No data.
	Explosive Limits:	LEL: No data. UEL: No data.
	Autoignition Pt:	No data.
5.3	Fire Fighting Instructions	<b>s:</b> 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.
		Section 6. Accidental Release Measures
6.1	Protective Precautions,	Avoid raising and breathing dust, and provide adequate ventilation.
	Protective Equipment an	d As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,
	Emergency Procedures:	and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).
6.2	Environmental Precautions:	Take steps to avoid release into the environment, if safe to do so.
6.3	Methods and Material Fo	r Contain spill and collect, as appropriate.
	Containment and Cleanir	ngTransfer to a chemical waste container for disposal in accordance with local regulations.
	Up:	
		Section 7. Handling and Storage
7.1	Precautions To Be Taken	Avoid breathing dust/fume/gas/mist/vapours/spray.
	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.
	Sec	tion 8. Exposure Controls/Personal Protection
8.1	Exposure Parameters:	



	HENTERI	Supersedes Revision: 05/23/2016
8.2	Exposure Controls:	
8.2.1		Ise process enclosures, local exhaust ventilation, or other engineering controls to control airborne
	(Ventilation etc.):	evels below recommended exposure limits.
8.2.2	Personal protection equipn	nent:
	Eye Protection:	Safety glasses
	Protective Gloves: 0	Compatible chemical-resistant gloves
	Other Protective Clothing:L	ab coat
	Respiratory Equipment	IIOSH approved respirator, as conditions warrant.
	(Specify Type):	
	Work/Hygienic/Maintenan	Do not take internally.
	ce Practices: F	acilities storing or utilizing this material should be equipped with an eyewash and a safety shower
	V	Vash thoroughly after handling.
	Ν	lo data available.
	Se	ction 9. Physical and Chemical Properties
9.1	Information on Basic Physic	· · ·
	Physical States:	[]Gas []Liquid [X]Solid
	Appearance and Odor:	480 Well Kit Box
	pH:	No data.
	Melting Point:	No data.
	Boiling Point:	No data.
	Flash Pt:	No data.
	Evaporation Rate:	No data.
	Flammability (solid, gas):	No data available.
	Explosive Limits:	LEL: No data. UEL: No data.
	Vapor Pressure (vs. Air or r	
	Hg):	
	Vapor Density (vs. Air = 1):	No data.
	Specific Gravity (Water = 1)	
	Solubility in Water:	No data. No data.
	Octanol/Water Partition	NO data.
	Coefficient:	
	Autoignition Pt:	No data.
	Decomposition Temperatur	
	Viscosity:	No data.
9.2	Other Information	
	Percent Volatile:	No data.
		Section 10. Stability and Reactivity
10.1	Reactivity:	lo data available.
10.2	Stability:	Instable [ ] Stable [ X ]
10.3	Stability Note(s):	stable if stored in accordance with information listed on the product insert.
	Polymerization:	Vill occur [ ] Will not occur [ X ]
10.4	Conditions To Avoid:	lo data available.
10.5	Incompatibility - Materials	lo data available.
	To Avoid:	
10.6		lo data available.
-	-	
		Multi-region forma



	Decomposition or Byproducts:						
	,		Section 11. Toxico	logical Infor	mation		
11.1	Informat	tion on	The toxicological effects of this			idied.	
	Toxicolo	ogical Effects:					
CAS	#	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA
	NA	480 Well Kit Box		n.a.	n.a.	n.a.	n.a.
			Section 12. Ecolo	ogical Inform	ation		
<b>12.1 Toxicity:</b> Avoid release into the environment.							
			Runoff from fire control or diluti	on water may caus	e pollution.		
12.2	Persiste		No data available.				
40.0	Degrada		Ne dete evelleble				
12.3	Potentia	mulative	No data available.				
12.4	Mobility		No data available.				
12.5	-		No data available.				
_	assessn	nent:					
12.6	Other ac	lverse effects:	No data available.				
			Section 13. Dispos	sal Conside	ations		
13.1	Waste D	isposal Method:	Dispose in accordance with loc	al, state, and feder	al regulations.		
			Section 14. Tran	sport Inform	ation		
14.1	LAND T	RANSPORT (US I	DOT):				
D	OT Prope	r Shipping Name:	Not dangerous goods.				
D	OT Hazar	d Class:					
U	N/NA Nur	nber:					
14.1		RANSPORT (Euro					
		hipping Name:	Not dangerous goods.				
_	N Numbe						
14.3		ANSPORT (ICAO/I	ATA):				
		Shipping Name:	Not dangerous goods.				
Addit	tional Trai	nsport	Transport in accordance with lo	ocal, state, and fed	eral regulations.		
Infor	mation:						
			Section 15. Regu	latory Inform	nation		
EPA	SARA (Su	perfund Amendm	ents and Reauthorization Act	of 1986) Lists			
CAS # Hazardous Components (Chemical Name)		S. 302 (EHS)	S. 304 RQ	S. 313	3 (TRI)		
	NA	480 Well Kit Box		No	No	No	
CAS	#		ponents (Chemical Name)	Other US EPA	or State Lists		
	NA	480 Well Kit Box		CAA HAP,ODC PROP.65: No	: No; CWA NPDE	S: No; TSCA:	No; CA
	Multi-region format						



Regulatory Information	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC)
Statement:	No.1272/2008.
	Section 16. Other Information
Revision Date:	02/12/2017
Additional Information About	No data available.
This Product:	
	No data available. 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.



		accord	ing to Regulation (EC) No. 190	07/2006 as amended by	(EC) No. 1272/200	8
	Section 1. Identification of the Substance/Mixture and of the Company/Undertaking					
1.1	Product	Code:	601191			Ŭ
	Product	Name:	FFAR1 Reverse Transfe	ction Strip Plate		
1.2	Relevan	t identified uses of t	he substance or mixture a	and uses advised ag	gainst:	
	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	pany		
	Web s	ite address:	www.caymanchem.com			
	Inform	nation:	Cayman Chemical Comp	bany	+1 (734	4)971-3335
1.4	Emerge	ncy telephone numb	er:			
	Emerg	ency Contact:	CHEMTREC Within USA			0)424-9300
			CHEMTREC Outside US	A and Canada:	+1 (70	3)527-3887
			Section 2. Haz	zards Identific	cation	
2.1	Classifi	cation of the Substar	nce or Mixture:			
2.2	Label E	lements:				
	GHS Signal Word: None					
		lazard Phrases:				
			ently available data this sub	stance or mixture is r	not classifiable ac	cording to GHS.
		Precaution Phrases:				
		rases apply.				
		Response Phrases: rases apply.				
	-	Storage and Disposal	Phrases:			
		•	Storage and Section 13 for	Disposal informatior	า.	
2.3			laterial may be irritating to t	•		piratory tract.
	Effects	and Symptoms: M	lay be harmful by inhalation	, ingestion, or skin al	bsorption.	
			lay cause eye, skin, or resp			
		T	o the best of our knowledge	e, the toxicological pr	operties have not	been thoroughly investigated.
		1	n 3. Composition	1		nts
CAS RTE	5#/ CS#	Hazardous Compon REACH Registration	nents (Chemical Name)/ No.	Concentration	EC No./ EC Index No.	GHS Classification
NA NA		FFAR1 Reverse Transfe	ection Strip Plate	100.0 %	NA NA	No data available.
		•		•	·	•
1						



# **SAFETY DATA SHEET** FFAR1 Reverse Transfection Strip Plate

			Section 4	4. First Aid Measure	es	
4.1	Descrip	tion 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.	spiration or give oxygen by	trained personnel.
	In Case	of Skin Contact:	-	n with soap and plenty of wate attention if symptoms occur. W		move contaminated
	In Case	of Eye Contact:	U U	d flush eyes with plenty of wate	<b>U</b>	ve eyes examined
	In Case	of Ingestion:	Wash out mouth with	water provided person is conso Get medical attention. Do NOT		-
			Section 5.	Fire Fighting Meas	ures	
5.1						
	Unsuita Media:	ble Extinguishing	A solid water stream	may be inefficient.		
5.2	Flammable Properties andNo data available. Hazards:					
			No data available.			
	Flash Pt	t:	No data.			
	Explosiv	ve Limits:	LEL: No data.	UEL: No data.		
	Autoign	ition Pt:	No data.			
5.3	Fire Fig	hting Instructions	-	elf-contained breathing appara rotective gear to prevent conta		H approved or
			Section 6. Acc	cidental Release Me	easures	
6.1	Protecti	ve Precautions,	Avoid raising and bre	athing dust, and provide adeq	uate ventilation.	
		ve Equipment an ncy Procedures:		t, wear a NIOSH approved sel onal protection (rubber boots,		
6.2	Environ Precaut		Take steps to avoid r	elease into the environment, if	safe to do so.	
6.3			r Contain spill and colling Transfer to a chemica	ect, as appropriate. al waste container for disposal	in accordance with local rec	ulations.
			Section 7.	Handling and Stor	age	
7.1	Precaut in Hand		Avoid breathing dust/ Avoid prolonged or re	fume/gas/mist/vapours/spray. peated exposure.		
7.2			Keep container tightly	closed.		
	in Storir	ng:	Store in accordance v	vith information listed on the pr	oduct insert.	
		Sec	tion 8. Exposu	re Controls/Persona	al Protection	
8.1	Exposur	e Parameters:				
CAS	#	Partial Chemical	Name	Britain EH40	France VL	Europe
	NA	FFAR1 Reverse	Transfection Strip	No data.	No data.	No data.
						Multi-region format

		Plate				
CAS #	ŧ	Partial Chemical N	ame	OSHA TWA	ACGIH TWA	Other Limits
NA		FFAR1 Reverse Tra Plate	Insfection Strip	No data.	No data.	No data.
.2	Exposur	e Controls:		-	ł	•
.2.1	Enginee	ering Controls ເ	Jse process enclos	ures, local exhaust vent	tilation, or other engineering co	ontrols to control airbo
	(Ventila	tion etc.):	evels below recomm	nended exposure limits		
8.2.2	Persona	al protection equipr	nent:			
	Eye Pro	tection:	Safety glasses			
	Protecti	ve Gloves: (	Compatible chemica	al-resistant gloves		
	Other P	rotective Clothing:L	ab coat			
	Respira (Specify		NOSH approved re	spirator, as conditions v	varrant.	
	Work/Hy	/gienic/Maintenan [	Do not take internall	у.		
	ce Pract	ices: F	acilities storing or u	utilizing this material sho	ould be equipped with an eyew	wash and a safety show
		١	Vash thoroughly aft	er handling.		
		1	lo data available.			
		Se	ction 9. Phy	sical and Chem	nical Properties	
.1	Informat	ion on Basic Physic	cal and Chemical F	Properties		
	Physica	l States:	[ ] Gas	[ ] Liquid [ X ] Solic	t	
	Appeara	ance and Odor:	Plate			
	Melting	Point:	No data.			
	Boiling	Point:	No data.			
	Flash Pt	:	No data.			
	=	tion Rate:	No data.			
		bility (solid, gas):	No data avai			
	-	ve Limits:	LEL: No dat	а.	UEL: No data.	
	-	ressure (vs. Air or ı	<b>nm</b> No data.			
	Hg):		<b>N 1</b> <i>1</i>			
	-	ensity (vs. Air = 1):				
	•	Gravity (Water = 1)				
		ty in Water:	No data.			
	Autoign		No data.			
9.2		ormation				
	Percent	Volatile:	No data.			
			Section 10	). Stability and	Reactivity	
0.1	Reactivi	ty: N	lo data available.			
0.2	Stability	r: U	Jnstable [ ] Sta	able [ X ]		
0.3	Stability	Note(s):	Stable if stored in ac	cordance with informat	ion listed on the product inser	t.
	Polyme	rization:	Vill occur [ ] W	/ill not occur [ X ]		
0.4	Conditio	ons To Avoid:	lo data available.			
0.5	Incompa	atibility - Materials N	lo data available.			
	To Avoi	d:				
0.6	Hazardo	ous N	lo data available.			
	Decomp	osition or				



Revision: 04/08/2016

	Byprod	ucts:						
			Section 11. Toxico	ological In	format	ion		
11.1	Informa	tion on	The toxicological effects of this	product have r	not been t	horoughly st	udied.	
	Toxicol	ogical Effects:						
CAS	#	Hazardous Com	ponents (Chemical Name)	N	TP	IARC	ACGIH	OSHA
	NA	FFAR1 Reverse	Transfection Strip Plate	n.	.a.	n.a.	n.a.	n.a.
		•	Section 12. Ecolo	ogical Info	ormatic	n	•	•
12.1	Avoid release into the environment.							
			Runoff from fire control or diluti	ion water may o	cause poll	ution.		
12.2	Persiste	ence and	No data available.					
	Degradability:							
12.3	Bioaccu	ımulative	No data available.					
	Potentia	al:						
12.4	Mobility	in Soil:	No data available.					
12.5	Results	of PBT and vPvB	No data available.					
	assessr	nent:						
12.6	Other a	dverse effects:	No data available.					
			Section 13. Dispo	sal Consid	deratio	ns		
13.1	Waste D	Disposal Method:	Dispose in accordance with loc	al, state, and fe	ederal reg	ulations.		
			Section 14. Trar	nsport Info	ormatic	n		
14.1	LAND T	RANSPORT (US	DOT):					
C	OT Prope	er Shipping Name	Not dangerous goods.					
C	OT Hazar	d Class:						
ι	IN/NA Nur	nber:						
14.1	LAND 1	RANSPORT (Eur	opean ADR/RID):					
▲	DR/RID S	hipping Name:	Not dangerous goods.					
ι	IN Numbe	r:						
ト	lazard Cla	ISS:						
14.3	AIR TR	ANSPORT (ICAO/	IATA):					
10	CAO/IATA	Shipping Name:	Not dangerous goods.					
Addi	tional Tra	nsport	Transport in accordance with le	ocal, state, and	l federal re	egulations.		
Infor	mation:							
			Section 15. Regu	latory Info	ormatio	on		
EPA	SARA (Sı	-	nents and Reauthorization Act	· ·				
CAS			ponents (Chemical Name)	S. 302 (EH	S) S	6. 304 RQ	S. 31:	3 (TRI)
	NA	FFAR1 Reverse	Transfection Strip Plate	No	1	No	No	
CAS	#	Hazardous Com	ponents (Chemical Name)	Other US E	PA or Sta	te Lists		
	NA	FFAR1 Reverse	Transfection Strip Plate	CAA HAP,0 PROP.65: 1		CWA NPDE	S: No; TSCA	: No; CA
		•		•				



Page: 5 of 5

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:	04/08/2016
Additional Information About This Product:	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.



A control Revision: 10/05/2018 Supersedes Revision: 01/05/2017 2015/830 and US OSHA HCS 2015 ad of the Company/Undertaking

	according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2015/830 and US OSHA HCS 2015				
	Section 1. Ide	entification of the Substance/Mixture and of the	e Company/Undertaking		
1.1	Product Code:	601192			
	Product Name:	FFAR1 Assay GW9508 Positive Control			
	Synonyms:	4-[[(3-phenoxyphenyl)methyl]amino]-benzenep	ropanoic acid;		
1.2	Relevant identified uses of the	ne substance or mixture and uses advised aga	linst:		
	Relevant identified uses:	For research use only, not for human or veterin	ary 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	1.4 Emergency telephone number:				
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300		
		CHEMTREC Outside USA and Canada:	+1 (703)527-3887		
		Section 2. Hazards Identifica	ation		
2.1	Classification of the Substan	ce or Mixture:			
	Flammable Liquids, Catego	ory 4			
	Aquatic Toxicity (Acute), C	ategory 3			
	Aquatic Toxicity (Chronic)	Category 3			
2.2	Label Elements:				
	GHS Signal Word:	Warning			
	GHS Hazard Phrases:				
	H227: Combustible liquid.				
	H402: Harmful to aquatic life				
	H412: Harmful to aquatic life	with long lasting effects.			
	GHS Precaution Phrases:				
	P210: Keep away from {heat	/sparks/open flames/hot surfaces} No smoking.			

P273: Avoid release to the environment.

P280: Wear {protective gloves/protective clothing/eye protection/face protection}.

#### GHS Response Phrases:

No phrases apply.

#### **GHS Storage and Disposal Phrases:**

Please refer to Section 7 for Storage and Section 13 for Disposal information.



1	Revision:	10/05/2018
Supersedes	Revision:	01/05/2017

2.3	Adverse Human Health	DMSO has the potential to carry toxic materials or materials of unknown toxicity into the body.
	Effects and Symptoms:	DMSO is readily absorbed through skin.
		Harmful to aquatic life with long lasting effects.
		Material may be irritating to the mucous membranes and upper respiratory tract.
		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 RTEC		Hazardous Comp REACH Registrat	oonents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	GHS Classification	
67- PV621	-68-5 10000	Dimethyl sulfoxide, a 01-2119431362-50	anhydrous	99.65 %	200-664-3 NA	Flam. Liq. 4: H227	
885101-89-3 GW 9508 NA		GW 9508		0.35 %	NA NA	Acute Tox.(O) 4: H302 Skin Corr. 2: H315 Eye Damage 1: H318 STOT (SE) 3: H335 H336 Aquatic (A) 1: H400 Aquatic (C) 1: H410	
			Section 4. Fi	rst Aid Meas	ures		
4.1	Measur In Case	otion of First Aid es: of Inhalation: of Skin Contact:	Get immediate medical atten	tion.		ve oxygen by trained personnel. 5 minutes. Remove contaminated	
	In Case	of Eye Contact:	clothing. Get medical attention if symptoms occur. Wash clothing before reuse. 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.				
4.2	-	Both Acute and	Exposure may cause: hemati Exposure may cause: gastroi dizziness, and drowsiness. Eye contact may cause blurg	ntestinal irritation w	ith nausea, vomiti	ng, diarrhea, headache,	
			Section 5. Fire	Fighting Me	asures		
5.1	Media:	e Extinguishing ble Extinguishing	Use alcohol-resistant foam, o Use water spray to cool fire-o A solid water stream may be	carbon dioxide, wate exposed containers.	er, or dry chemical	l spray.	
5.2	Flamma Hazards		dCan release vapors that form Container explosion may occ Emits toxic fumes under fire Sensitive to static discharge. Vapors can travel to a source No data available.	cur under fire conditi conditions.	ons.	at or above the flashpoint.	
	Flash P		89.00 C Method Used: Cl	•			
	Explosi	ve Limits:	LEL: 3.5% at 25.0 C	UEL: 42.0%	at 25.0 C		



Revision: 10/05/2018

cay	man	Supersedes Revision: 10/05/2018						
	Autoignition Pt:	215.00 C						
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.						
		Note: Combustible as diluted in dimethyl sulfoxide						
		Section 6. Accidental Release Measures						
6.1	Protective Precautions,	Avoid breathing vapors and provide adequate ventilation.						
	Protective Equipment and	As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator						
	Emergency Procedures:	and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).						
6.2	Environmental	Take steps to avoid release into the environment, if safe to do so.						
	Precautions:							
6.3		Contain spill and collect, as appropriate.						
		${f g}$ Transfer to a chemical waste container for disposal in accordance with local regulations.						
	Up:							
		Section 7. Handling and Storage						
7.1	Precautions To Be Taken	Avoid breathing dust/fume/gas/mist/vapours/spray.						
	in Handling:	Avoid prolonged or repeated exposure.						
		Keep away from sources of ignition.						
		Take precautionary measures against static discharge.						
7.2		Keep away from heat, sparks, and flame.						
	in Storing:	Keep container tightly closed.						
		Store in accordance with information listed on the product insert.						
	Other Precautions:	Hygroscopic						
	Sect	ion 8. Exposure Controls/Personal Protection						
8.1	Exposure Parameters:							
8.2	Exposure Controls:							
8.2.1	Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne						
	(Ventilation etc.):	levels below recommended exposure limits.						
8.2.2	Personal protection equip	oment:						
	Eye Protection:	Safety glasses						
	Protective Gloves:	Compatible chemical-resistant gloves						
	Other Protective Clothing	:Lab coat						
	<b>Respiratory Equipment</b>	NIOSH approved respirator, as conditions warrant.						
	(Specify Type):							
	Work/Hygienic/Maintenan Do not take internally.							
	ce Practices:	Facilities storing or utilizing this material should be equipped with an eyewash and a safety showe						
		Wash thoroughly after handling.						
		No data available.						



Revision: 10/05/2018 Supersedes Revision: 01/05/2017

9.1							
9.1	S	Section 9. Physical and Chemical Properties					
	Information on Basic Physical and Chemical Properties						
	Physical States:	[]Gas [X]Liquid []Solid					
	Appearance and Odor:	10 mM of GW 9508 in DMSO					
	pH:	No data.					
	Melting Point:	No data.					
	Boiling Point:	No data.					
	Flash Pt:	89.00 C Method Used: Closed Cup					
	Evaporation Rate:	No data.					
	Flammability (solid, gas)	No data available.					
	Explosive Limits:	LEL: 3.5% at 25.0 C UEL: 42.0% at 25.0 C					
	Vapor Pressure (vs. Air o	or mm 0.37 MM_HG at 20.0 C					
	Hg):						
	Vapor Density (vs. Air = 1	1): No data.					
	Specific Gravity (Water =	= 1): No data.					
	Solubility in Water:	No data.					
	Octanol/Water Partition	No data.					
	Coefficient:						
	Autoignition Pt:	215.00 C					
	Decomposition Tempera	iture: No data.					
	Viscosity:	No data.					
.2	Other Information						
	Percent Volatile:	No data.					
	Molecular Formula & We						
		Section 10. Stability and Reactivity					
0.4	Descheiten	No data available.					
0.1	Reactivity:						
0.2	Stability:	Unstable [ ] Stable [ X ]					
0.3	Stability Note(s):	Stable if stored in accordance with information listed on the product insert.					
	Polymerization:	Will occur [ ] Will not occur [ X ]					
0.4	Conditions To Avoid:						
0.5	Incompatibility - Material						
	To Avoid:	phosphorus halides					
		strong acids					
		ali metals					
		strong oxidizing agents					
		strong reducing agents					
0.6	Hazardous	carbon monoxide carbon dioxide					
	Decomposition or	sulfur oxides					
	Byproducts:	Sulfur Oxides					



## SAFETY DATA SHEET

Multi-region format

FFAR1 Assay GW9508 Positive Control

Revision: 10/05/2018 Supersedes Revision: 01/05/2017

			Section	<u>II I</u> I. IOZ		al Informa	lion		
1.1	Chronic Effects:	ngical Effects: Toxicological	DMSO - Toxi (mouse): 7,9 Inhalation LC DMSO - Irrita DMSO - Inve Only select F See actual en DMSO RTEC	icity Data: Ora 20 mg/kg; Ski 250 (rat): >1,6 ation Data: Ey estigated as a Registry of To ntry in RTECS	al LD50 (rat): n LD50 (mous 00 mg/m3 (4r es (rabbit): 10 drug, mutage kic Effects of ( 5 for complete V6210000	0 mg mild; Ski n, primary irrita Chemical Subs information.	Skin LD50 (ra /kg; Skin TDI n (rabbit): 50 ant, reproduct tances (RTE	at): 40,000 mg/ _O (woman): 1 0 mg (24h) mile ive effector, ar	,800 mg/kg; d; nd tumorigen.
CAS	Carcinogenicity:		NTP? No       IARC Monographs? No       OSHA Regulated? No         oponents (Chemical Name)       NTP       IARC       ACGIH					ACGIH	OSHA
	<del>"</del> '-68-5	Dimethyl sulfoxid				n.a.	n.a.	n.a.	n.a.
	01-89-3	GW 9508				n.a.	n.a.	n.a.	n.a.
			0						
						Informatio	on		
2.1	Toxicity:			e into the envi					
	_				dilution water	may cause po	llution.		
2.2	Persiste		No data avai	ilable.					
	Degrada	-	y:						
	Ringeru	umulative No data available.							
2.3			No data avai	ilable.					
	Potentia	l:							
2.4	Potentia Mobility	l: in Soil:	No data avai	ilable.					
2.4	Potentia Mobility Results o	l: in Soil: of PBT and vPvB	No data avai	ilable.					
2.4 2.5	Potential Mobility Results assessm	l: in Soil: of PBT and vPvB nent:	No data avai No data avai	ilable. ilable.					
2.4 2.5	Potential Mobility Results assessm	l: in Soil: of PBT and vPvB	No data avai No data avai No data avai	ilable. ilable. ilable.		noidoroti			
2.4 2.5 2.6	Potential Mobility Results assessm Other ad	l: in Soil: of PBT and vPvB nent: Iverse effects:	No data avai No data avai No data avai Sectio	ilable. ilable. ilable. on 13. Dis		onsideratio			
2.4 2.5 2.6	Potential Mobility Results assessm Other ad	l: in Soil: of PBT and vPvB nent:	No data avai No data avai No data avai Sectio Dispose in ad	ilable. ilable. ilable. on 13. Dis ccordance wit	h local, state,	and federal re	gulations.		
2.4 2.5 2.6 3.1	Potential Mobility Results assessm Other ad Waste D	I: in Soil: of PBT and vPvB nent: Iverse effects: isposal Method:	No data avai No data avai No data avai <b>Sectio</b> Dispose in ad	ilable. ilable. ilable. on 13. Dis ccordance wit	h local, state,		gulations.		
2.4 2.5 2.6 3.1	Potential Mobility Results assessm Other ad Waste Di	I: in Soil: of PBT and vPvB nent: Iverse effects: isposal Method: RANSPORT (US I	No data avai No data avai No data avai Sectio Dispose in ad Sect Dott):	ilable. ilable. on 13. Dis ccordance wit tion 14. T	h local, state, ransport	and federal reg	gulations.		
2.4 2.5 2.6 3.1 4.1 D	Potential Mobility Results assessm Other ad Waste Di LAND T	I: in Soil: of PBT and vPvB nent: Iverse effects: isposal Method: RANSPORT (US I	No data avai No data avai No data avai Sectio Dispose in ad Sect Dott):	ilable. ilable. ilable. on 13. Dis ccordance wit	h local, state, ransport	and federal reg	gulations.		
2.4 2.5 2.6 3.1 4.1 D	Potential Mobility Results assessm Other ad Waste Di UND T OT Proper OT Hazard	I: in Soil: of PBT and vPvB nent: Iverse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class:	No data avai No data avai No data avai Sectio Dispose in ad Sect Dot): Combus	ilable. ilable. on 13. Dis ccordance wit tion 14. T	h local, state, ransport o.s. (Dimethyl	and federal reg Informations sulfoxide)	gulations.		
2.4 2.5 2.6 3.1 4.1 D U	Potential Mobility Results of assessm Other ad Waste Di LAND TI OT Proper OT Hazaro N/NA Num	I: in Soil: of PBT and vPvB nent: Iverse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class: nber:	No data avai No data avai No data avai Sectio Dispose in ad Sect Dot): Combus NA1993	ilable. ilable. on 13. Dis ccordance wit tion 14. T	h local, state, ransport o.s. (Dimethyl	and federal reg	gulations.		
2.4 2.5 2.6 3.1 14.1 D U U	Potential Mobility Results assessm Other ad Waste Di LAND T OT Proper OT Hazaro N/NA Num LAND T	I: in Soil: of PBT and vPvB nent: Iverse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class: nber: RANSPORT (Euro	No data avai No data avai No data avai Sectio Dispose in ad Sect Dot): Combus NA1993	ilable. ilable. on 13. Dis ccordance wit tion 14. T	h local, state, ransport o.s. (Dimethyl	and federal reg Informations sulfoxide)	gulations.		
2.4 2.5 2.6 3.1 4.1 D U 4.1 A	Potential Mobility Results of assessm Other ad Waste Di LAND T OT Proper OT Hazaro N/NA Num LAND T DR/RID Sh	I: in Soil: of PBT and vPvB nent: Iverse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class: nber: RANSPORT (Euro hipping Name:	No data avai No data avai No data avai Sectio Dispose in ad Sect DOT): Combus NA1993 Opean ADR/R	ilable. ilable. on 13. Dis ccordance wit tion 14. T	h local, state, ransport b.s. (Dimethyl	and federal reg Informatio sulfoxide) Packing Group	gulations. DN		
2.4 2.5 2.6 3.1 4.1 D U 4.1 A U	Potential Mobility Results assessm Other ad Waste Di LAND T OT Proper OT Hazaro N/NA Num LAND T	I: in Soil: of PBT and vPvB nent: Iverse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class: nber: RANSPORT (Euro hipping Name: r:	No data avai No data avai No data avai Sectio Dispose in ad Sect Dot): Combus NA1993	ilable. ilable. on 13. Dis ccordance wit tion 14. T	h local, state, ransport b.s. (Dimethyl	and federal reg Informations sulfoxide)	gulations. DN		
2.4 2.5 3.1 44.1 D U 44.1 A U H	Potential Mobility Results of assessm Other ad Waste Di LAND T OT Proper OT Hazaro N/NA Num LAND T DR/RID SH N Number azard Class	I: in Soil: of PBT and vPvB hent: Iverse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class: hber: RANSPORT (Euro hipping Name: r: ss:	No data avai No data avai No data avai Sectio Dispose in ad Sect DOT): Combus NA1993 Opean ADR/R 1993	ilable. ilable. on 13. Dis ccordance wit tion 14. T stible liquid, n.o	h local, state, ransport b.s. (Dimethyl F	and federal reg Informatio sulfoxide) Packing Group Packing Group	gulations. ON ::		
2.4 2.5 2.6 3.1 14.1 D U 14.1 A U H Addit	Potential Mobility Results assessm Other ad Waste Di LAND T OT Proper OT Hazaro N/NA Num LAND T DR/RID SH	I: in Soil: of PBT and vPvB hent: Iverse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class: hber: RANSPORT (Euro hipping Name: r: ss:	No data avai No data avai No data avai Sectio Dispose in ad Sect Dispose in ad Dispose in ad Sect Dispose in ad Dispose in ad Sect Dispose in ad S	ilable. ilable. on 13. Dis ccordance wit tion 14. T stible liquid, n.o <b>RID):</b>	h local, state, ransport b.s. (Dimethyl F vith local, state	and federal reg Informatio sulfoxide) Packing Group	gulations. ON C C C C C C C C C C C C C C C C C C	III	antity Code of
D U 14.1 A U H Addit	Potential Mobility Results assessm Other ad Waste Di UNA Num LAND TH DR/RID SH N Number azard Class tional Tran	I: in Soil: of PBT and vPvB hent: Iverse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class: hber: RANSPORT (Euro hipping Name: r: ss:	No data avai No data avai No data avai Sectio Dispose in ad Sect DoT): Combus NA1993 Opean ADR/R 1993 Transport in When sold ir	ilable. ilable. on 13. Dis ccordance wit tion 14. T stible liquid, n.o stible liquid, n.o stible liquid, n.o	h local, state, ransport b.s. (Dimethyl p.s. (Pimethyl f vith local, state less than or e	and federal reg Informatio sulfoxide) Packing Group Packing Group	gulations. ON o: regulations. or 1 g, with a	III n Excepted Qu	-



Revision: 10/05/2018 Supersedes Revision: 01/05/2017

Cyntan				Supe	ersedes Revision: 01/05/2017		
		Section 15. Regu	ulatory Inform	ation			
EPA SARA (S	uperfund Amendr	nents and Reauthorization Act	t of 1986) Lists				
CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)		
67-68-5	Dimethyl sulfoxic	de, anhydrous	No	No	No		
885101-89-3	GW 9508		No	No	No		
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA o	r State Lists			
67-68-5	Dimethyl sulfoxide, anhydrous		CAA HAP,ODC: Inventory; CA P	No; CWA NPDES ROP.65: No	: No; TSCA: Yes -		
885101-89-3	GW 9508		CAA HAP,ODC: PROP.65: No	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
Regulatory Inf Statement:	ormation	This SDS was prepared in acc No.1272/2008.	cordance with 29 CFF	R 1910.1200 and R	egulation (EC)		
		Section 16. Of	ther Information	on			
Revision Date:	:	10/05/2018					
Additional Info This Product:	ormation About	No data available.					
		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.					