

		ording to Degulation (EC) No. 1007/0000	(EC) No. 1070/0009
		ording to Regulation (EC) No. 1907/2006 as amended by	
	Section 1.	Identification of the Substance/Mixture and of the	ne Company/Undertaking
1.1	Product Code:	18570.1	
	Product Name:	15-deoxyDELTA.12,14-Prostaglandin J2	
	Synonyms:	11-oxo-prosta-5Z,9,12E,14E-tetraen-1-oic acid	d; 15-deoxyDELTA.12,14-PGJ2;
.2	Relevant identified uses o	f the substance or mixture and uses advised ag	ainst:
	Relevant identified uses	: For research use only, not for human or vetering	nary use.
1.3	Details of the Supplier of t	he 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
.4	Emergency telephone nur	nber:	
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300
		CHEMTREC Outside USA and Canada:	+1 (703)527-3887
		Section 2. Hazards Identific	ation
2.1	Classification of the Subs	tance or Mixture:	
2.1.1	Classification according	to Regulation (EC) No 1272/2008 [CLP]:	
	Flammable Liquids, Cat		
	Serious Eve Damage/Ev		
	Serious Eye Damage/Ey Specific Target Organ T	e Irritation, Category 2	
2.2			
	Specific Target Organ T Label Elements:	e Irritation, Category 2	
2.2 2.2.1	Specific Target Organ T Label Elements:	e Irritation, Category 2 oxicity (single exposure), Category 3	
	Specific Target Organ T Label Elements:	e Irritation, Category 2 oxicity (single exposure), Category 3	
	Specific Target Organ T Label Elements:	e Irritation, Category 2 oxicity (single exposure), Category 3	
	Specific Target Organ T Label Elements: Labeling according to Re	e Irritation, Category 2 oxicity (single exposure), Category 3 gulation (EC) No 1272/2008 [CLP]:	
	Specific Target Organ T Label Elements: Labeling according to Re Office According to Re GHS Signal Word: GHS Hazard Phrases:	e Irritation, Category 2 oxicity (single exposure), Category 3 gulation (EC) No 1272/2008 [CLP]:	
	Specific Target Organ T Label Elements: Labeling according to Re Office According to Re GHS Signal Word: GHS Hazard Phrases:	e Irritation, Category 2 oxicity (single exposure), Category 3 gulation (EC) No 1272/2008 [CLP]: Danger sure may cause skin dryness or cracking.	
	Specific Target Organ T Label Elements: Labeling according to Re GHS Signal Word: GHS Hazard Phrases: EUH066: Repeated expose	e Irritation, Category 2 oxicity (single exposure), Category 3 gulation (EC) No 1272/2008 [CLP]: Danger sure may cause skin dryness or cracking. quid and vapor.	
	Specific Target Organ T Label Elements: Labeling according to Re GHS Signal Word: GHS Hazard Phrases: EUH066: Repeated expose H225: Highly flammable li	e Irritation, Category 2 oxicity (single exposure), Category 3 gulation (EC) No 1272/2008 [CLP]: Danger sure may cause skin dryness or cracking. quid and vapor. e irritation.	
	Specific Target Organ T Label Elements: Labeling according to Re GHS Signal Word: GHS Hazard Phrases: EUH066: Repeated expose H225: Highly flammable li H319: Causes serious eye	e Irritation, Category 2 oxicity (single exposure), Category 3 gulation (EC) No 1272/2008 [CLP]: Danger sure may cause skin dryness or cracking. quid and vapor. e irritation.	
	Specific Target Organ T Label Elements: Labeling according to Re GHS Signal Word: GHS Hazard Phrases: EUH066: Repeated expose H225: Highly flammable li H319: Causes serious eye H336: May cause drowsin GHS Precaution Phrases	e Irritation, Category 2 oxicity (single exposure), Category 3 gulation (EC) No 1272/2008 [CLP]: Danger sure may cause skin dryness or cracking. quid and vapor. e irritation.	д.
	Specific Target Organ T Label Elements: Labeling according to Re GHS Signal Word: GHS Hazard Phrases: EUH066: Repeated expose H225: Highly flammable li H319: Causes serious eye H336: May cause drowsin GHS Precaution Phrase	e Irritation, Category 2 oxicity (single exposure), Category 3 gulation (EC) No 1272/2008 [CLP]: Danger sure may cause skin dryness or cracking. quid and vapor. e irritation. hess or dizziness. s:	ј.
	Specific Target Organ T Label Elements: Labeling according to Re GHS Signal Word: GHS Hazard Phrases: EUH066: Repeated expose H225: Highly flammable li H319: Causes serious eye H336: May cause drowsin GHS Precaution Phrase	e Irritation, Category 2 oxicity (single exposure), Category 3 gulation (EC) No 1272/2008 [CLP]: Danger sure may cause skin dryness or cracking. quid and vapor. e irritation. eess or dizziness. s: eat/sparks/open flames/hot surfaces} No smoking ust/fume/gas/mist/vapors/spray}.).
	Specific Target Organ T Label Elements: Labeling according to Re Construction GHS Signal Word: GHS Hazard Phrases: EUH066: Repeated expose H225: Highly flammable lif H319: Causes serious even H336: May cause drowsin GHS Precaution Phrases P210: Keep away from {h P261: Avoid breathing {du P264: Wash {hands} thore	e Irritation, Category 2 oxicity (single exposure), Category 3 gulation (EC) No 1272/2008 [CLP]: Danger sure may cause skin dryness or cracking. quid and vapor. e irritation. eess or dizziness. s: eat/sparks/open flames/hot surfaces} No smoking ust/fume/gas/mist/vapors/spray}.	
	Specific Target Organ T Label Elements: Labeling according to Re Construction GHS Signal Word: GHS Hazard Phrases: EUH066: Repeated expose H225: Highly flammable lif H319: Causes serious even H336: May cause drowsin GHS Precaution Phrases P210: Keep away from {h P261: Avoid breathing {du P264: Wash {hands} thore	e Irritation, Category 2 oxicity (single exposure), Category 3 gulation (EC) No 1272/2008 [CLP]: Danger sure may cause skin dryness or cracking. quid and vapor. e irritation. eess or dizziness. s: eat/sparks/open flames/hot surfaces} No smoking ust/fume/gas/mist/vapors/spray}. oughly after handling. oves/protective clothing/eye protection/face protecti	
	Specific Target Organ T Label Elements: Labeling according to Re Construction GHS Signal Word: GHS Hazard Phrases: EUH066: Repeated expose H225: Highly flammable li H319: Causes serious eye H336: May cause drowsin GHS Precaution Phrases P210: Keep away from {h P261: Avoid breathing {du P264: Wash {hands} thoro P280: Wear {protective gl GHS Response Phrases	e Irritation, Category 2 oxicity (single exposure), Category 3 gulation (EC) No 1272/2008 [CLP]: Danger sure may cause skin dryness or cracking. quid and vapor. e irritation. eess or dizziness. s: eat/sparks/open flames/hot surfaces} No smoking ust/fume/gas/mist/vapors/spray}. oughly after handling. oves/protective clothing/eye protection/face protecti	ion}.
	Specific Target Organ T Label Elements: Labeling according to Re Construction GHS Signal Word: GHS Hazard Phrases: EUH066: Repeated expose H225: Highly flammable li H319: Causes serious eye H336: May cause drowsin GHS Precaution Phrases P210: Keep away from {h P261: Avoid breathing {du P264: Wash {hands} thoro P280: Wear {protective gl GHS Response Phrases	e Irritation, Category 2 oxicity (single exposure), Category 3 gulation (EC) No 1272/2008 [CLP]: Danger sure may cause skin dryness or cracking. quid and vapor. e irritation. hess or dizziness. s: eat/sparks/open flames/hot surfaces} No smoking ust/fume/gas/mist/vapors/spray}. oughly after handling. oves/protective clothing/eye protection/face protecti :	ion}.
	Specific Target Organ T Label Elements: Labeling according to Re GHS Signal Word: GHS Hazard Phrases: EUH066: Repeated expose H225: Highly flammable li H319: Causes serious eye H336: May cause drowsin GHS Precaution Phrases P210: Keep away from {h P261: Avoid breathing {du P264: Wash {hands} thoro P280: Wear {protective gl GHS Response Phrases P303+361+353: IF ON Se water/shower.	e Irritation, Category 2 oxicity (single exposure), Category 3 gulation (EC) No 1272/2008 [CLP]: Danger sure may cause skin dryness or cracking. quid and vapor. e irritation. hess or dizziness. s: eat/sparks/open flames/hot surfaces} No smoking ust/fume/gas/mist/vapors/spray}. oughly after handling. oves/protective clothing/eye protection/face protecti :	ion}. minated clothing. Rinse skin with



Revision: 04/27/2015 Supersedes Revision: 05/08/2013

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P337+313: If eye irritation persists, get medical advice/attention.

GHS Storage and Disposal Phrases:

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

2.3 Adverse Human Health Causes 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 drowsiness or dizziness.

May cause skin or respiratory system irritation.

Repeated exposure may cause skin dryness or cracking.

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
87893-55-8 NA	15-deoxyDELTA.12,14-Prostaglandin J2	1.0 %	NA NA	No data available.
79-20-9 Al9100000	Methyl acetate	99.0 %	201-185-2 607-021-00-X	Flam. Liq. 2: H225 Eye Damage 2: H319 STOT (SE) 3: H335 H336

Section 4. First Aid Measures

4.1 Description of First Aid No data available.

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

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.

and tested by medical personnel.

4.2 Important Symptoms and Exposure may cause: coughing, dizziness, drowsiness, headache, narcosis, optic nerve atrophy, Effects, Both Acute and chest tightness.

Delayed:

Measures:

Section 5. Fire Fighting Measures

 5.1 Suitable Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers. Unsuitable Extinguishing A solid water stream may be inefficient. Media:
 5.2 Flammable Properties and Can release vapors that form explosive mixtures at temperatures at or above the flash point. Hazards: Container explosion may occur under fire conditions. Emits toxic fumes under fire conditions. Sensitive to static discharge. Vapors can travel to a source of ignition and flash back.

Flash Pt: -10.00 C Method Used: Closed Cup

	1		S	AFETY DATA SHE	ET	Page: 3 of 6
Cay	man		15-deoxyI	DELTA.12,14-Prosta	- KE	evision: 04/27/2015 evision: 05/08/2013
	Explosi	ve Limits:	LEL: 3.1% at	25.0 C UEL: 16.0%	at 25.0 C	
	Autoigr	nition Pt:	455.00 C			
5.3	Fire Fig	hting Instruction	-	elf-contained breathing appar		SH approved or
				protective gear to prevent cont diluted in methyl acetate.	act with skin and eyes.	
				-		
			Section 6. Ac	cidental Release M	easures	
6.1		ive Precautions,		ors and provide adequate ven		
				nt, wear a NIOSH approved se conal protection (rubber boots		
6.2	Emerge	ency Procedures:		release into the environment,		ubbel gioves).
0.2	Precaut		Take sleps to avoid I			
6.3			or Contain spill and coll	ect, as appropriate.		
			-	al waste container for disposa	al in accordance with local reg	gulations.
	Up:		-			
			Section 7	Handling and Sto	rane	
	Brocout	tions To Bo Taka		fume/gas/mist/vapours/spray.	•	
1.1	in Hanc		Avoid breatining dust Avoid prolonged or re			
	mmand	inng.	Keep away from sour			
				neasures against static discha	irge.	
7.2	Precau	tions To Be Take	n Keep away from heat	, sparks, and flame.		
	in Stori	ng:	Keep container tightly	/ closed.		
			Store in accordance	with information listed on the p	product insert.	
-	Other P	recautions:	Protect from moisture	2.		
		Sec	tion 8. Exposu	ire Controls/Person	al Protection	
8.1	Exposu	re Parameters:				
CAS	#	Partial Chemica	I Name	Britain EH40	France VL	Europe
878	93-55-8	15-deoxyDELT/ J2	A.12,14-Prostaglandin	No data.	No data.	No data.
79)-20-9	Methyl acetate		TWA: 616 mg/m3 (200 ppm) STEL: 770 mg/m3 (250 ppm)	TWA: 610 mg/m3 (200 ppm) STEL: 760 mg/m3 (250 ppm)	No data.
CAS	#	Partial Chemica	l Name	OSHA TWA	ACGIH TWA	Other Limits
878	93-55-8	15-deoxyDELT/ J2	A.12,14-Prostaglandin	No data.	No data.	No data.
79	9-20-9	Methyl acetate		PEL: 200 ppm	TLV: 200 ppm STEL: 250 ppm	No data.
8.2	Exposu	re Controls:				
8.2.1	-	ering Controls	·	res, local exhaust ventilation,	or other engineering controls	to control airborne
	•	tion etc.):		ended exposure limits.		
8.2.2		al protection equ	-			
	Eye Pro	otection:	Safety glasses			

Protective Gloves: Compatible chemical-resistant gloves

Other Protective Clothing:Lab coat

 $\label{eq:RespiratoryEquipment} \textbf{Respiratory Equipment} \quad \text{NIOSH approved respirator, as conditions warrant.}$

(Specify Type):

Work/Hygienic/Maintenan Do not take internally.



Cay	man	15-deoxyDELTA.12,14-Prostaglandin J2 Revision: 04/27/2015 Supersedes Revision: 05/08/2013
	ce Practices:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Wash thoroughly after handling. No data available.
		Section 9. Physical and Chemical Properties
9.1	Information on Basic Ph	ysical and Chemical Properties
	Physical States:	[]Gas [X]Liquid []Solid
	Appearance and Odor:	Solution
	Melting Point:	No data.
	Boiling Point:	No data.
	Flash Pt:	-10.00 C Method Used: Closed Cup
	Evaporation Rate:	No data.
	Explosive Limits:	LEL: 3.1% at 25.0 C UEL: 16.0% at 25.0 C
	Vapor Pressure (vs. Air Hg):	or mm 173 MM_HG at 20.0 C
	Vapor Density (vs. Air =	= 1): No data.
	Specific Gravity (Water	-
	Solubility in Water:	No data.
	Autoignition Pt:	455.00 C
9.2	Other Information	
	Percent Volatile:	No data.
	Molecular Formula & W	
		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:	heat, flames and sparks
10.5	Incompatibility - Materia	als acids
	To Avoid:	alkalis
		nitrates
		strong oxidizing agents
10.6	Hazardous	carbon dioxide
	Decomposition Or	carbon monoxide
	Byproducts:	



L Revision: 04/27/2015 Supersedes Revision: 05/08/2013

1.1	Informat	ion on	The toyicale	gical effects of this pro	aduct have not hear	thoroughly	tudied	
11.1		ogical Effects:	Methyl Aceta mg/kg; Skin	gical effects of this pro- ate - Toxicity Data: Or LD50 (rabbit): >5,000 ate - Irritation Data: Sl	al LD50 (rat): >5,000 mg/kg; Inhalation T) mg/kg; Oral CLO (human)	LD50 (rabbit): : 15,000 mg/m	3;
	Chronic Effects:	Toxicological	See actual e	Registry of Toxic Effe entry in RTECS for col ate RTECS Number: /	mplete information.	stances (RTE	CS) data is pre	esented here.
Carcinogenicity:			NTP? No	IARC Monographs		gulated? No		
CAS	#	Hazardous Com	ponents (Ch	emical Name)	NTP	IARC	ACGIH	OSHA
8789	93-55-8	15-deoxyDELTA	A.12,14-Prosta	aglandin J2	n.a.	n.a.	n.a.	n.a.
79	-20-9	Methyl acetate			n.a.	n.a.	n.a.	n.a.
		·	Secti	ion 12. Ecolog	ical Informati	on		
12.1	Toxicity	:	Avoid releas	se into the environmer	ıt.			
			Runoff from	fire control or dilution	water may cause po	ollution.		
12.2	Persiste Degrada		No data ava	ilable.				
12.3	Bioaccu	mulative						
	Potentia		No data ava	ilable.				
12.4	Potentia Mobility	l:	No data ava					
	Mobility	l: in Soil: of PBT and vPvB	No data ava	ilable.				
12.5	Mobility Results assessm	l: in Soil: of PBT and vPvB	No data ava	ilable. ilable.				
12.5	Mobility Results assessm	l: in Soil: of PBT and vPvB nent:	No data ava No data ava No data ava	ilable. ilable.	I Considerati	ons		
12.5 12.6	Mobility Results assessm Other ad	I: in Soil: of PBT and vPvB nent: Iverse effects:	No data ava No data ava No data ava Sectio	ilable. iilable. iilable.				
12.5 12.6	Mobility Results assessm Other ad	I: in Soil: of PBT and vPvB nent: Iverse effects:	No data ava No data ava No data ava Sectio Dispose in a	iilable. iilable. iilable. on 13. Disposa	state, and federal re	gulations.		
12.5 12.6	Mobility Results assessm Other ad	I: in Soil: of PBT and vPvB nent: Iverse effects:	No data ava No data ava No data ava Sectio Dispose in a Sect	iilable. iilable. iilable. on 13. Disposa accordance with local,	state, and federal re	gulations.		
12.5 12.6 13.1 14.1	Mobility Results assessm Other ad Waste D	I: in Soil: of PBT and vPvB nent: Iverse effects: isposal Method:	No data ava No data ava No data ava Sectio Dispose in a Sect	iilable. ailable. on 13. Disposa accordance with local, tion 14. Trans	state, and federal re	gulations.		
12.5 12.6 13.1 14.1 D	Mobility Results assessm Other ad Waste D	I: in Soil: of PBT and vPvB nent: Iverse effects: isposal Method: RANSPORT (US I r Shipping Name:	No data ava No data ava No data ava Sectio Dispose in a Sect	iilable. ailable. on 13. Disposa accordance with local, tion 14. Trans	state, and federal re port Informati	gulations.		
D D	Mobility Results assessm Other ad Waste D LAND T OT Prope	I: in Soil: of PBT and vPvB nent: Iverse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class:	No data ava No data ava No data ava Sectio Dispose in a Sect Dot): Methyl a	iilable. iilable. on 13. Disposa accordance with local, tion 14. Trans	state, and federal re port Informati	gulations.		
12.5 12.6 13.1 14.1 D	Mobility Results assessm Other ad Waste D LAND T OT Prope OT Hazard	I: in Soil: of PBT and vPvB nent: Iverse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class:	No data ava No data ava No data ava Sectio Dispose in a Sect Dorp: Methyl a 3	iilable. ailable. on 13. Disposa accordance with local, tion 14. Trans acetate FLAMMABLE	state, and federal re p ort Informati	gulations.		
12.5 12.6 13.1 14.1 D U	Mobility Results assessm Other ad Waste D LAND T OT Prope OT Hazard N/NA Nun	I: in Soil: of PBT and vPvB nent: Iverse effects: isposal Method: RANSPORT (US I r Shipping Name: d Class: nber:	No data ava No data ava No data ava Sectio Dispose in a Sect Dispose in a Sect Dispose in a 1231	iilable. iilable. on 13. Disposa accordance with local, tion 14. Trans acetate FLAMMABLE RD):	state, and federal re p ort Informati	gulations.		
12.5 12.6 13.1 14.1 D U 14.1 A	Mobility Results assessm Other ad Waste D LAND T OT Prope OT Hazard N/NA Num	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 ava No data ava No data ava Sectio Dispose in a Sect Dispose in a Sect Dispose in a 1231	iilable. iilable. on 13. Disposa accordance with local, tion 14. Trans acetate FLAMMABLE RD):	state, and federal re D Ort Informati E LIQUID Packing Grou	egulations. ON		
12.5 12.6 13.1 14.1 D U 14.1 A U	Mobility Results assessm Other ad Waste D LAND T OT Prope OT Hazard N/NA Nun	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 ava No data ava No data ava Sectio Dispose in a Sect Dispose in a Sect Dispose in a 1231	iilable. iilable. on 13. Disposa accordance with local, tion 14. Trans acetate FLAMMABLE RD):	state, and federal re p ort Informati	egulations. ON		



Revision: 04/27/2015 Supersedes Revision: 05/08/2013

14.3 AIR TRANSPORT (ICAO/IATA): ICAO/IATA Shipping Name: Methyl acetate **UN Number:** Packing Group: Ш 1231 3 - FLAMMABLE LIQUID IATA Classification: Hazard Class: 3 Transport in accordance with local, state, and federal regulations. Additional Transport Information: When sold in quantities of less than or equal to 1 mL, or 1 g, with an Excepted Quantity Code of E1, E2, E4, or E5, this item meets the De Minimis Quantities exemption, per IATA 2.6.10. Therefore packaging does not have to be labeled as Dangerous Goods/Excepted Quantity. Section 15. Regulatory Information EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists CAS # Hazardous Components (Chemical Name) S. 302 (EHS) S. 304 RQ S. 313 (TRI) 15-deoxy-.DELTA.12,14-Prostaglandin J2 87893-55-8 No No No 79-20-9 Methyl acetate No No No CAS # Hazardous Components (Chemical Name) Other US EPA or State Lists 15-deoxy-.DELTA.12,14-Prostaglandin J2 CAA HAP.ODC: No: CWA NPDES: No: TSCA: No: CA 87893-55-8 PROP.65: No 79-20-9 Methyl acetate CAA HAP, ODC: No; CWA NPDES: No; TSCA: Yes -Inventory, 4 Test, 8A PAIR; CA PROP.65: No Section 16. Other Information **Revision Date:** 04/27/2015 No data available. Additional Information About This Product: DISCLAIMER: This information is believed to be accurate and represents the best information **Company Policy or Disclaimer:** 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.



	0		
	Section 1. Ide	entification of the Substance/Mixture and of th	e Company/Undertaking
.1 Produ	ict Code:	70735	
Produ	ict Name:	MCC-555	
Synoi	nyms:	5-[[6-[(2-fluorophenyl)methoxy]-2-naphthalenyl] Netoglitazone; RWJ 241947;	methyl]-2,4-thiazolidinedione; Isaglitazone;
.2 Relev	ant identified uses of t	he substance or mixture and uses advised aga	linst:
Rele	evant identified uses:	For research use only, not for human or veterin	ary use.
.3 Detail	s of the Supplier of the	e Safety Data Sheet:	
Con	ipany Name:	Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108	
Web	site address:	www.caymanchem.com	
Info	rmation:	Cayman Chemical Company	+1 (734)971-3335
.4 Emerg	gency telephone numb	er:	
Eme	ergency 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 Class	ification of the Substar		ation
			ation
.1.1 Class		nce or Mixture: Regulation (EC) No 1272/2008 [CLP]:	ation
2.1.1 Class Aqu	sification according to	nce or Mixture: Regulation (EC) No 1272/2008 [CLP]: Category 1	ation
.1.1 Class Aqu Aqu .2 Label	sification according to latic Toxicity (Acute), C latic Toxicity (Chronic) Elements:	nce or Mixture: Regulation (EC) No 1272/2008 [CLP]: Category 1 , Category 1	ation
2.1.1 Class Aqu Aqu 2.2 Label	sification according to latic Toxicity (Acute), C latic Toxicity (Chronic) Elements:	nce or Mixture: Regulation (EC) No 1272/2008 [CLP]: Category 1	ation
.1.1 Class Aqu Aqu .2 Label	sification according to latic Toxicity (Acute), C latic Toxicity (Chronic) Elements:	nce or Mixture: Regulation (EC) No 1272/2008 [CLP]: Category 1 , Category 1	ation
2.1.1 Class Aqu Aqu 2.2 Label 2.2.1 Labe	sification according to latic Toxicity (Acute), C latic Toxicity (Chronic) Elements:	nce or Mixture: Regulation (EC) No 1272/2008 [CLP]: Category 1 , Category 1	ation
Aqu Aqu Aqu 2 Label 2.2 Label 2.2.1 Labe GHS GHS	sification according to latic Toxicity (Acute), C latic Toxicity (Chronic) Elements: ling according to Regu Signal Word: Hazard Phrases:	nce or Mixture: Regulation (EC) No 1272/2008 [CLP]: Category 1 , Category 1 lation (EC) No 1272/2008 [CLP]: Warning	ation
Aqu Aqu Aqu 2.2 Label 2.2.1 Label GHS GHS H400	sification according to natic Toxicity (Acute), C natic Toxicity (Chronic) Elements: ling according to Regu Signal Word: Hazard Phrases: : Very toxic to aquatic life	nce or Mixture: Regulation (EC) No 1272/2008 [CLP]: Category 1 , Category 1 lation (EC) No 1272/2008 [CLP]: Warning	ation
Aqu Aqu Aqu 2 Label 2.2 Label 2.2.1 Label GHS GHS H400 H410	sification according to natic Toxicity (Acute), C natic Toxicity (Chronic) Elements: ling according to Regu Signal Word: Hazard Phrases: : Very toxic to aquatic life	nce or Mixture: Regulation (EC) No 1272/2008 [CLP]: Category 1 , Category 1 lation (EC) No 1272/2008 [CLP]: Warning	ation
2.1.1 Class Aqu Aqu 2.2 Label 2.2.1 Label GHS GHS H400 H410 GHS	sification according to natic Toxicity (Acute), C natic Toxicity (Chronic) Elements: ling according to Regu Signal Word: Hazard Phrases: : Very toxic to aquatic life Precaution Phrases:	nce or Mixture: Regulation (EC) No 1272/2008 [CLP]: Category 1 , Category 1 lation (EC) No 1272/2008 [CLP]: Warning e. e with long lasting effects.	ation
Aqu Aqu Aqu 2 Label 2.1 Label GHS GHS GHS H400 H410 GHS P273	sification according to natic Toxicity (Acute), C natic Toxicity (Chronic) Elements: ling according to Regu Signal Word: Hazard Phrases: : Very toxic to aquatic life	nce or Mixture: Regulation (EC) No 1272/2008 [CLP]: Category 1 , Category 1 lation (EC) No 1272/2008 [CLP]: Warning e. e with long lasting effects.	ation
2.1.1 Class Aqu Aqu 2.2 Label 2.2.1 Label GHS GHS H400 H410 GHS P273 GHS	sification according to natic Toxicity (Acute), C natic Toxicity (Chronic) Elements: ling according to Regu Signal Word: Hazard Phrases: : Very toxic to aquatic life Precaution Phrases: : Avoid release to the en	nce or Mixture: Regulation (EC) No 1272/2008 [CLP]: Category 1 , Category 1 lation (EC) No 1272/2008 [CLP]: Warning e. e with long lasting effects.	ation
.1.1 Class Aqu Aqu 2 Label .2.1 Label GHS GHS H400 H410 GHS P273 GHS P391 GHS	sification according to natic Toxicity (Acute), C natic Toxicity (Chronic) Elements: ling according to Regu Signal Word: Hazard Phrases: : Very toxic to aquatic life Precaution Phrases: : Avoid release to the en Response Phrases: : Collect spillage.	nce or Mixture: Regulation (EC) No 1272/2008 [CLP]: Category 1 , Category 1 lation (EC) No 1272/2008 [CLP]: Warning e. e with long lasting effects. vironment.	ation
2.1.1 Class Aqu Aqu 2.2 Label 2.2.1 Label GHS GHS H400 H410 GHS P273 GHS P391 GHS	sification according to natic Toxicity (Acute), C natic Toxicity (Chronic) Elements: ling according to Regu Signal Word: Hazard Phrases: : Very toxic to aquatic life Precaution Phrases: : Avoid release to the en Response Phrases: : Collect spillage.	nce or Mixture: Regulation (EC) No 1272/2008 [CLP]: Category 1 , Category 1 lation (EC) No 1272/2008 [CLP]: Warning e. e with long lasting effects.	ation
2.1.1 Class Aqu Aqu 2.2 Label 2.2.1 Label GHS GHS H400 H410 GHS P273 GHS P273 GHS P391 GHS	sification according to natic Toxicity (Acute), C natic Toxicity (Chronic) Elements: ling according to Regu Signal Word: Hazard Phrases: : Very toxic to aquatic life Precaution Phrases: : Avoid release to the en Response Phrases: : Collect spillage.	nce or Mixture: Regulation (EC) No 1272/2008 [CLP]: Category 1 , Category 1 lation (EC) No 1272/2008 [CLP]: Warning e. e with long lasting effects. vironment.	ation
2.1.1 Class Aqu Aqu 2.2 Label 2.2.1 Label GHS GHS H400 H410 GHS P273 GHS P273 GHS P391 GHS	sification according to natic Toxicity (Acute), C natic Toxicity (Chronic) Elements: ling according to Regu Signal Word: Hazard Phrases: : Very toxic to aquatic life Precaution Phrases: : Avoid release to the en Response Phrases: : Collect spillage.	nce or Mixture: Regulation (EC) No 1272/2008 [CLP]: Category 1 , Category 1 lation (EC) No 1272/2008 [CLP]: Warning e. e with long lasting effects. vironment.	ation
2.1.1 Class Aqu Aqu 2.2 Label 2.2.1 Label GHS GHS H400 H410 GHS P273 GHS P391 GHS	sification according to natic Toxicity (Acute), C natic Toxicity (Chronic) Elements: ling according to Regu Signal Word: Hazard Phrases: : Very toxic to aquatic life Precaution Phrases: : Avoid release to the en Response Phrases: : Collect spillage.	nce or Mixture: Regulation (EC) No 1272/2008 [CLP]: Category 1 , Category 1 lation (EC) No 1272/2008 [CLP]: Warning e. e with long lasting effects. vironment.	ation
2.1.1 Class Aqu Aqu 2.2 Label 2.2.1 Label GHS GHS H400 H410 GHS P273 GHS P391 GHS	sification according to natic Toxicity (Acute), C natic Toxicity (Chronic) Elements: ling according to Regu Signal Word: Hazard Phrases: : Very toxic to aquatic life Precaution Phrases: : Avoid release to the en Response Phrases: : Collect spillage.	nce or Mixture: Regulation (EC) No 1272/2008 [CLP]: Category 1 , Category 1 lation (EC) No 1272/2008 [CLP]: Warning e. e with long lasting effects. vironment.	ation

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Caj	man			WICC-333		Revision: 02/08/2015 Supersedes Revision: 05/02/2006	
2.3		e Human Health and Symptoms:					
		Sect	tion 3. Composition	/Information	on Ingredie	nts	
CAS RTE	# / CS #	Hazardous Com REACH Registra	conents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	GHS Classification	
	600-01-7 13445	MCC-555		100.0 %	NA NA	Aquatic (A) 1: H400 Aquatic (C) 1: H410	
			Section 4. Fi	rst Aid Meas	ures		
4.1	Descrij Measu	ption of First Aid	No data available.				
		e of Inhalation:	Remove to fresh air. If not bro Get immediate medical atten		al respiration or gi	ve oxygen by trained personnel.	
		e of Skin Contact:	clothing. Get medical attentio	on if symptoms occur	r. Wash clothing b		
	In Case	e of Eye Contact:	Hold eyelids apart and flush and tested by medical persor		vater for at least 1	5 minutes. Have eyes examined	
	In Case	e 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 Me	asures		
 5.1	Suitabl	e Extinguishing	Use alcohol-resistant foam, o	<u> </u>		l spray.	
	Media:		Use water spray to cool fire-e	exposed containers.			
			A solid water stream may be	inefficient.			
	Media:						
5.2	Hazard	-	dNo data available.				
	Flash F		No data.				
		ive Limits:	LEL: No data.	UEL: No d	ata.		
	-	nition Pt:	No data.				
5.3	-		s: As in any fire, wear self-cont	ained breathing app	aratus pressure-c	lemand (NIOSH approved or	
			equivalent), and full protectiv	e gear to prevent co	ontact with skin ar	nd eyes.	
			Section 6. Accider	ntal Release I	Measures		
6.1	Protect	tive Precautions,	Avoid raising and breathing	dust, and provide ac	dequate ventilatio	n.	
	Protect	tive Equipment an	d As conditions warrant, wear	a NIOSH approved	self-contained bro	eathing apparatus, or respirator,	
	Emerge	ency Procedures:	and appropriate personal pro	otection (rubber boo	ots, safety goggles	s, and heavy rubber gloves).	
6.2	Enviro Precau	nmental tions:	Take steps to avoid release	into the environmen	nt, if safe to do so.		
6.3			r Contain spill and collect, as	appropriate.			
			ngTransfer to a chemical waste		osal in accordance	with local regulations.	
	•						



Revision: 02/08/2015 Supersedes Revision: 05/02/2006

			Section 7	. Handling	g and Stor	rage		
7.1	Precaut	ions To Be Taken Avo	id breathing dust	/fume/gas/mist/	vapours/spray.			
	in Hand	lling: Avo	id prolonged or re	epeated exposu	re.			
7.2	Precaut	ions To Be Taken Kee	p container tightl	y closed.				
	in Stori	ng: Sto	re in accordance	with information	listed on the p	product insert.		
		Section	8. Exposu	ure Contro	ls/Person	al Protection		
8.1	Exposur	re Parameters:						
CAS	#	Partial Chemical Nam	e	Britain EH40		France VL	Europe	
1616	00-01-7	MCC-555		No data.		No data.	No data.	
CAS	#	Partial Chemical Nam	e	OSHA TWA		ACGIH TWA	Other Limits	
1616	00-01-7	MCC-555		No data.		No data.	No data.	
8.2	Exposu	re Controls:		1				
8.2.1	Enginee	ering Controls Use	process enclosu	ires, local exhai	st ventilation,	or other engineering	controls to control airborr	
	(Ventila	tion etc.): leve	els below recomm	nended exposur	e limits.			
8.2.2	Person	al protection equipmer	nt:					
	Eye Pro	otection: Safe	ety glasses					
	Protecti	ive Gloves: Cor	npatible chemical	I-resistant glove	s			
	Other P	rotective Clothing:Lab	coat					
	Respira	tory Equipment NIC	SH approved res	spirator, as conc	litions warrant.			
	Respiratory Equipment NIOSH approved respirator, as conditions warrant.							
	(Specify Type):							
		y i ype): ygienic/Maintenan Do	not take internally	<i>ų</i> .				
		ygienic/Maintenan Do	-		erial should be	equipped with an eye	ewash and a safety show	
	Work/H	ygienic/Maintenan Do tices: Fac	-	tilizing this mate	erial should be	equipped with an eye	ewash and a safety show	
	Work/H	ygienic/Maintenan Do tices: Fac Wa	ilities storing or u	tilizing this mate	erial should be	equipped with an eye	ewash and a safety show	
	Work/H	ygienic/Maintenan Do tices: Fac Wa No	ilities storing or u sh thoroughly afte	tilizing this mate er handling.			ewash and a safety show	
9.1	Work/H ce Prac	ygienic/Maintenan Do tices: Fac Wa No	ilities storing or u sh thoroughly afte data available. On 9. Phys	tilizing this mate er handling. sical and C			ewash and a safety show	
9.1	Work/H ce Prac	ygienic/Maintenan Do tices: Fac Wa No Sect	ilities storing or u sh thoroughly afte data available. ON 9. Phys and Chemical P	tilizing this mate er handling. Sical and C Properties			ewash and a safety show	
9.1	Work/H ce Prac	ygienic/Maintenan Do tices: Fac Wa No Secti tion on Basic Physical	ilities storing or u sh thoroughly afte data available. ON 9. Phys and Chemical P	tilizing this mate er handling. Sical and C Properties	Chemical		ewash and a safety show	
9.1	Work/H ce Prac	ygienic/Maintenan Do tices: Fac Wa No Section on Basic Physical al States: ance and Odor:	ilities storing or u sh thoroughly afte data available. ON 9. Phys and Chemical P	tilizing this mate er handling. Sical and C Properties	Chemical		ewash and a safety show	
9.1	Work/H ce Prac	ygienic/Maintenan Do tices: Fac Was No Secti tion on Basic Physical al States: ance and Odor: Point:	ilities storing or u sh thoroughly afte data available. ON 9. Phys and Chemical P []Gas [A crystalline	tilizing this mate er handling. Sical and C Properties	Chemical		ewash and a safety show	
9.1	Work/H ce Prac	ygienic/Maintenan Do tices: Fac Was No Section on Basic Physical al States: ance and Odor: Point: Point:	ilities storing or u sh thoroughly afte data available. ON 9. Phys and Chemical P []Gas [A crystalline s No data.	tilizing this mate er handling. Sical and C Properties	Chemical		ewash and a safety show	
9.1	Work/H ce Prac	ygienic/Maintenan Do tices: Fac Was No Section on Basic Physical al States: ance and Odor: Point: Point:	ilities storing or u sh thoroughly afte data available. ON 9. Phys and Chemical P []Gas [A crystalline No data. No data.	tilizing this mate er handling. Sical and C Properties	Chemical		ewash and a safety show	
9.1	Work/H ce Prace Informate Physica Appeara Melting Boiling Flash P Evapora	ygienic/Maintenan Do tices: Fac Wa: No Secti tion on Basic Physical al States: ance and Odor: Point: Point: t:	ilities storing or u sh thoroughly afte data available. ON 9. Phys and Chemical P []Gas [A crystalline s No data. No data. No data.	tilizing this mate er handling. Sical and C Properties] Liquid [> solid	Chemical		ewash and a safety show	
9.1	Work/H ce Prace Informate Physica Appeara Melting Boiling Flash P Evapora Explosi Vapor P	ygienic/Maintenan Do tices: Fac Was No Secti tion on Basic Physical al States: ance and Odor: Point: Point: t: ation Rate:	ilities storing or u sh thoroughly afte data available. ON 9. Phys and Chemical P []Gas [A crystalline s No data. No data. No data. No data. LEL: No data	tilizing this mate er handling. Sical and C Properties] Liquid [> solid	Chemical	Properties	ewash and a safety show	
9.1	Work/H ce Prace Informate Physica Appeara Melting Boiling Flash P Evapora Explosi Vapor P Hg):	ygienic/Maintenan Do tices: Fac Wai No Section on Basic Physical al States: ance and Odor: Point: Point: t: ation Rate: ve Limits: Pressure (vs. Air or mm	ilities storing or u sh thoroughly afte data available. ON 9. Phys and Chemical P []Gas [A crystalline s No data. No data. No data. No data. LEL: No data No data.	tilizing this mate er handling. Sical and C Properties] Liquid [> solid	Chemical	Properties	ewash and a safety show	
9.1	Work/H ce Prace Informate Physica Appeara Melting Boiling Flash P Evapora Explosi Vapor P Hg): Vapor D	ygienic/Maintenan Do tices: Fac Was No Secti tion on Basic Physical al States: ance and Odor: Point: Point: t: ation Rate: ve Limits: Pressure (vs. Air or mm Density (vs. Air = 1):	ilities storing or u sh thoroughly afte data available. ion 9. Phys and Chemical P [] Gas [A crystalline s No data. No data. No data. LEL: No data No data. No data. No data.	tilizing this mate er handling. Sical and C Properties] Liquid [> solid	Chemical	Properties	ewash and a safety show	
9.1	Work/H ce Prace Informate Physica Appeara Melting Boiling Flash P Evapora Explosi Vapor P Hg): Vapor D Specific	ygienic/Maintenan Do tices: Fac Was No Section on Basic Physical al States: ance and Odor: Point: Point: t: ation Rate: ve Limits: Pressure (vs. Air or mm Density (vs. Air = 1): c Gravity (Water = 1):	ilities storing or u sh thoroughly afte data available. ON 9. Phys and Chemical P [] Gas [A crystalline s No data. No data. No data. LEL: No data No data. No data. No data. No data.	tilizing this mate er handling. Sical and C Properties] Liquid [> solid	Chemical	Properties	ewash and a safety show	
9.1	Work/H ce Prace Informate Physica Appeara Melting Boiling Flash P Evapora Explosi Vapor P Hg): Vapor D Specific Solubili	ygienic/Maintenan Do tices: Fac Was No Section on Basic Physical al States: ance and Odor: Point: Point: t: ation Rate: ve Limits: Pressure (vs. Air or mm Density (vs. Air = 1): c Gravity (Water = 1): ty in Water:	ilities storing or u sh thoroughly afte data available. ion 9. Phys and Chemical P []Gas [A crystalline s No data. No data. No data. LEL: No data No data. No data. No data. No data. No data. No data. No data. No data. No data.	tilizing this mate er handling. Sical and C Properties] Liquid [> solid	Chemical	Properties No data.		
9.1	Work/H ce Prace Informate Physica Appeara Melting Boiling Flash P Evapora Explosi Vapor P Hg): Vapor D Specific Solubili	ygienic/Maintenan Do tices: Fac Was No Section on Basic Physical al States: ance and Odor: Point: Point: t: ation Rate: ve Limits: Pressure (vs. Air or mm Density (vs. Air = 1): c Gravity (Water = 1):	ilities storing or u sh thoroughly afte data available. ion 9. Phys and Chemical P []Gas [A crystalline s No data. No data. No data. LEL: No data No data. No data. No data. No data. No data. No data. No data. No data. No data.	tilizing this mate er handling. Sical and C Properties] Liquid [> solid	Chemical	Properties No data.	ewash and a safety show	



	Other Init	ormation					
	Percent	Volatile:	No data.				
	Molecula	ar Formula & Weig	ght: C21H16FNO3S 381.4				
			Section 10. Stability and	Reactivit	V		
0.1	Reactivi	ty:	No data available.		<u>,</u>		
0.2	Stability	:	Unstable [] Stable [X]				
0.3	Stability	Note(s):	Stable if stored in accordance with informa	tion listed on t	he product in	sert.	
	Polymer	ization:	Will occur [] Will not occur [X]				
0.4	Conditio	ons To Avoid:	No data available.				
0.5	Incompa	tibility - Materials	No data available.				
	To Avoid	d:					
0.6	Hazardo	us	No data available.				
	-	osition Or					
	Byprodu	icts:					
			Section 11. Toxicological	Informati	on		
11.1	Informat	ion on	The txicological effects of this product have	e not been tho	roughly studie	ed.	
	Toxicolo	gical Effects:	MCC-555 - Toxicity Data: Oral TDLO (dog)	: 3120 mg/kg/	90D (continue	ous);	
	Chronic	Toxicological	MCC-555 - Investigated as a drug.				
	Effects:		Only select Registry of Toxic Effects of Che		nces (RTECS	s) data is pre	sented here.
			See actual entry in RTECS for complete in	formation.			
		i	MCC-555 RTECS Number: XJ5813445			1	
CAS	#	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA
	00-01-7	MCC-555		n.a.	n.a.	n.a.	n.a.
	00-01-7	MCC-555	Section 12. Ecological Ir			n.a.	n.a.
1616	00-01-7 Toxicity:	<u> </u>	Section 12. Ecological In Avoid release into the environment.			n.a.	n.a.
1616		<u> </u>		formation	<u></u> ז	n.a.	n.a.
1616 12.1		<u>. </u>	Avoid release into the environment.	formation	<u></u> ז	n.a.	n.a.
	Toxicity	nce and	Avoid release into the environment. Runoff from fire control or dilution water ma	formation	<u></u> ז	n.a.	n.a.
1616 12.1 12.2	Toxicity: Persiste Degrada	nce and	Avoid release into the environment. Runoff from fire control or dilution water ma	formation	<u></u> ז	n.a.	n.a.
1616 12.1 12.2	Toxicity: Persiste Degrada	nce and bility: mulative	Avoid release into the environment. Runoff from fire control or dilution water ma No data available.	formation	<u></u> ז	n.a.	n.a.
1616 12.1	Toxicity: Persiste Degrada Bioaccu	nce and bility: mulative I:	Avoid release into the environment. Runoff from fire control or dilution water ma No data available.	formation	<u></u> ז	n.a.	n.a.
1616 12.1 12.2 12.3 12.4	Toxicity: Persiste Degrada Bioaccu Potentia Mobility	nce and bility: mulative I: in Soil:	Avoid release into the environment. Runoff from fire control or dilution water ma No data available. No data available.	formation	<u></u> ז	n.a.	n.a.
1616 12.1 12.2 12.3 12.4	Toxicity: Persiste Degrada Bioaccu Potentia Mobility	nce and bility: mulative I: in Soil: of PBT and vPvB	Avoid release into the environment. Runoff from fire control or dilution water ma No data available. No data available. No data available.	formation	<u></u> ז	n.a.	n.a.
1616 12.1 12.2 12.3	Toxicity: Persiste Degrada Bioaccu Potentia Mobility Results	nce and bility: mulative I: in Soil: of PBT and vPvB	Avoid release into the environment. Runoff from fire control or dilution water ma No data available. No data available. No data available.	I Iformation ay cause pollu	ו tion.	n.a.	n.a.



			•	
	Section 14. Tran	sport Informa	tion	
RANSPORT (US	DOT):			
d Class:	: Not dangerous goods.			
RANSPORT (Eur	opean ADR/RID):			
r:	Not dangerous goods.			
	1474).			
-	-			
		ocal state and federa	al regulations	
noport				
	Section 15. Regu	latory Informa	ation	
perfund Amendn	· · · · · · · · · · · · · · · · · · ·	•		
Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
MCC-555		No	No	No
Hazardous Com	ponents (Chemical Name)	Other US EPA or	State Lists	
MCC-555		CAA HAP,ODC: N PROP.65: No	No; CWA NPDES: No	; TSCA: No; CA
ormation	No.1272/2008.			ation (EC)
rmation About	No data available.			
y or Disclaimer:	currently available to us. However express or implied, with respect	ver, we make no warr t to such information,	ranty of merchantabilit and we assume no lia	y or any other warranty, ability resulting from its
	er Shipping Name d Class: nber: RANSPORT (Eur hipping Name: r: iss: ANSPORT (ICAO/ Shipping Name: nsport uperfund Amendn Hazardous Com MCC-555	RANSPORT (US DOT): ar Shipping Name: Not dangerous goods. d Class: nber: "RANSPORT (European ADR/RID): hipping Name: Not dangerous goods. r: iss: ANSPORT (ICAO/IATA): Shipping Name: Not dangerous goods. sss: ANSPORT (ICAO/IATA): Shipping Name: Not dangerous goods. nsport Transport in accordance with lot Deperfund Amendments and Reauthorization Act Hazardous Components (Chemical Name) MCC-555 MCC-555 Hazardous Components (Chemical Name) MCC-555 ormation This SDS was prepared in accord No.1272/2008. Section 16. Ottom 02/08/2015 rmation About No data available. ey or Disclaimer: DISCLAIMER: This information currently available to us. However express or implied, with respect use. Users should make their or the start of the s	RANSPORT (US DOT): or Shipping Name: Not dangerous goods. d Class: mber: 'RANSPORT (European ADR/RID): hipping Name: Not dangerous goods. r: :ss: ANSPORT (ICAO/IATA): Shipping Name: Not dangerous goods. nsport Transport in accordance with local, state, and federations Section 15. Regulatory Information state: Hazardous Components (Chemical Name) MCC-555 No Hazardous Components (Chemical Name) Other US EPA or MCC-555 CAA HAP,ODC: N PROP.65: No PROP.65: No Ormation This SDS was prepared in accordance with 29 CFR No.1272/2008. Section 16. Other Information 02/08/2015 No data available. cy or Disclaimer: DISCLAIMER: This information is believed to be accordure with respect to such information, use. Users should make their own investigations to	r Shipping Name: Not dangerous goods. d Class: mber: RANSPORT (European ADR/RID): hipping Name: Not dangerous goods. r: iss: ANSPORT (ICAO/IATA): Shipping Name: Not dangerous goods. nsport Transport in accordance with local, state, and federal regulations. Section 15. Regulatory Information perfund Amendments and Reauthorization Act of 1986) Lists Hazardous Components (Chemical Name) S. 302 (EHS) S. 304 RQ MCC-555 No No Hazardous Components (Chemical Name) Other US EPA or State Lists MCC-555 CAA HAP,ODC: No; CWA NPDES: No PROP.65: No This SDS was prepared in accordance with 29 CFR 1910.1200 and Regul No.1272/2008. This SDS was prepared in accordance with 29 CFR 1910.1200 and Regul No.1272/2008. Disclaime: DISCLAIMER: This information is believed to be accurate and represents currently available. Prov Disclaime: DISCLAIMER: This information is believed to be accurate and represents currently available to us. However, we make no warranty of merchantabilit express or implied, with respect to such information, and we assume no lia use. Users should make their own investigations to determine the suitabil



		arding to Degulation (EC) No. 1007/2006 as amanded by	(EC) No. 1272/2008
	acc	cording to Regulation (EC) No. 1907/2006 as amended by	
	Section 1.	Identification of the Substance/Mixture and of the	he Company/Undertaking
I	Product Code:	70785	
	Product Name:	GW 9662	
	Synonyms:	2-chloro-5-nitrobenzanilide;	
	Relevant identified uses of	of the substance or mixture and uses advised ag	jainst:
	Relevant identified uses	For research use only, not for human or veteri	inary use.
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
ļ	Emergency telephone nu	mber:	
	Emergency Contact:	CHEMTREC Within USA and Canada: CHEMTREC Outside USA and Canada:	+1 (800)424-9300 +1 (703)527-3887
		Section 2. Hazards Identific	ation
1 1.1 2 2.1	Serious Eye Damage/Ey Skin Sensitization, Cate Label Elements:	stance or Mixture: to Regulation (EC) No 1272/2008 [CLP]: ye Irritation, Category 2A	
1.1 2	Classification according Serious Eye Damage/Ey Skin Sensitization, Cate Label Elements:	stance or Mixture: to Regulation (EC) No 1272/2008 [CLP]: ye Irritation, Category 2A egory 1	
1.1 2	Classification according Serious Eye Damage/Ey Skin Sensitization, Cate Label Elements: Labeling according to Re	stance or Mixture: to Regulation (EC) No 1272/2008 [CLP]: ye Irritation, Category 2A egory 1 egulation (EC) No 1272/2008 [CLP]:	
.1	Classification according Serious Eye Damage/Ey Skin Sensitization, Cate Label Elements: Labeling according to Re GHS Signal Word:	stance or Mixture: to Regulation (EC) No 1272/2008 [CLP]: ye Irritation, Category 2A egory 1	
.1	Classification according Serious Eye Damage/Ey Skin Sensitization, Cate Label Elements: Labeling according to Re	Stance or Mixture: to Regulation (EC) No 1272/2008 [CLP]: ye Irritation, Category 2A egory 1 egulation (EC) No 1272/2008 [CLP]: Warning	
1.1 2	Classification according Serious Eye Damage/Ey Skin Sensitization, Cate Label Elements: Labeling according to Re GHS Signal Word: GHS Hazard Phrases:	stance or Mixture: to Regulation (EC) No 1272/2008 [CLP]: ye Irritation, Category 2A egory 1 egulation (EC) No 1272/2008 [CLP]: Warning	
1.1 2	Classification according Serious Eye Damage/Ey Skin Sensitization, Cate Label Elements: Labeling according to Re Offer Signal Word: GHS Signal Word: GHS Hazard Phrases: H319: Causes serious eye	stance or Mixture: to Regulation (EC) No 1272/2008 [CLP]: ye Irritation, Category 2A egory 1 egulation (EC) No 1272/2008 [CLP]: Warning irritation. gic skin reaction.	
1.1 2	Classification according Serious Eye Damage/Ey Skin Sensitization, Cate Label Elements: Labeling according to Re GHS Signal Word: GHS Hazard Phrases: H319: Causes serious eye H317: May cause an allerg GHS Precaution Phrases P264: Wash {hands} thorow	stance or Mixture: to Regulation (EC) No 1272/2008 [CLP]: ye Irritation, Category 2A egory 1 egulation (EC) No 1272/2008 [CLP]: Warning irritation. jic skin reaction. : ughly after handling.	
1.1 2	Classification according Serious Eye Damage/Ey Skin Sensitization, Cate Label Elements: Labeling according to Re GHS Signal Word: GHS Hazard Phrases: H319: Causes serious eye H317: May cause an allerg GHS Precaution Phrases P264: Wash {hands} thoro P280: Wear {protective glo	stance or Mixture: to Regulation (EC) No 1272/2008 [CLP]: ye Irritation, Category 2A egory 1 egulation (EC) No 1272/2008 [CLP]: Warning irritation. gic skin reaction. :: ughly after handling. oves/protective clothing/eye protection/face protectio	
.1 2	Classification according Serious Eye Damage/Ey Skin Sensitization, Cate Label Elements: Labeling according to Re Office Signal Word: GHS Signal Word: GHS Hazard Phrases: H319: Causes serious eye H317: May cause an allerg GHS Precaution Phrases P264: Wash {hands} thoro P280: Wear {protective glo P261: Avoid breathing {dustications of the series of the	stance or Mixture: to Regulation (EC) No 1272/2008 [CLP]: ye Irritation, Category 2A agory 1 agulation (EC) No 1272/2008 [CLP]: Warning irritation. gic skin reaction. :: ughly after handling. aves/protective clothing/eye protection/face protection st/fume/gas/mist/vapours/spray}.	n}.
.1	Classification according Serious Eye Damage/Ey Skin Sensitization, Cate Label Elements: Labeling according to Re GHS Signal Word: GHS Hazard Phrases: H319: Causes serious eye H317: May cause an allerg GHS Precaution Phrases P264: Wash {hands} thoro P280: Wear {protective glo P261: Avoid breathing {dus P272: Contaminated work	stance or Mixture: to Regulation (EC) No 1272/2008 [CLP]: ye Irritation, Category 2A agory 1 agulation (EC) No 1272/2008 [CLP]: Warning irritation. gic skin reaction. ughly after handling. wes/protective clothing/eye protection/face protection st/fume/gas/mist/vapours/spray}. clothing should not be allowed out of the workplace.	n}.
.1 2	Classification according Serious Eye Damage/Ey Skin Sensitization, Cate Label Elements: Labeling according to Re Office Signal Word: GHS Signal Word: GHS Hazard Phrases: H319: Causes serious eye H317: May cause an allerg GHS Precaution Phrases P264: Wash {hands} thoro P280: Wear {protective glo P261: Avoid breathing {dus P272: Contaminated work P362+364: Take off contar	stance or Mixture: to Regulation (EC) No 1272/2008 [CLP]: ye Irritation, Category 2A agory 1 agulation (EC) No 1272/2008 [CLP]: Warning irritation. gic skin reaction. : ughly after handling. oves/protective clothing/eye protection/face protection st/fume/gas/mist/vapours/spray}. clothing should not be allowed out of the workplace. minated clothing and wash it before reuse.	n}.
.1 2	Classification according Serious Eye Damage/Ey Skin Sensitization, Cate Label Elements: Labeling according to Re GHS Signal Word: GHS Hazard Phrases: H319: Causes serious eye H317: May cause an allerg GHS Precaution Phrases P264: Wash {hands} thoro P280: Wear {protective glo P261: Avoid breathing {dus P272: Contaminated work P362+364: Take off contar GHS Response Phrases:	stance or Mixture: to Regulation (EC) No 1272/2008 [CLP]: ye Irritation, Category 2A agory 1 agulation (EC) No 1272/2008 [CLP]: Warning irritation. gic skin reaction. : ughly after handling. wes/protective clothing/eye protection/face protection st/fume/gas/mist/vapours/spray}. clothing should not be allowed out of the workplace. minated clothing and wash it before reuse.	n}.
1.1 2	Classification according Serious Eye Damage/Ey Skin Sensitization, Cate Label Elements: Labeling according to Re GHS Signal Word: GHS Hazard Phrases: H319: Causes serious eye H317: May cause an allerg GHS Precaution Phrases P264: Wash {hands} thoroi P280: Wear {protective glo P261: Avoid breathing {dus P272: Contaminated work P362+364: Take off contar GHS Response Phrases: P305+351+338: IF IN EYE	stance or Mixture: to Regulation (EC) No 1272/2008 [CLP]: ye Irritation, Category 2A agory 1 agulation (EC) No 1272/2008 [CLP]: Warning irritation. gic skin reaction. : ughly after handling. oves/protective clothing/eye protection/face protection st/fume/gas/mist/vapours/spray}. clothing should not be allowed out of the workplace. minated clothing and wash it before reuse.	n}.
1.1 2	Classification according Serious Eye Damage/Ey Skin Sensitization, Cate Label Elements: Labeling according to Re GHS Signal Word: GHS Hazard Phrases: H319: Causes serious eye H317: May cause an allerg GHS Precaution Phrases P264: Wash {hands} thoro P280: Wear {protective glo P261: Avoid breathing {dus P272: Contaminated work P362+364: Take off contar GHS Response Phrases: P305+351+338: IF IN EYE to do. Continue rinsing.	stance or Mixture: to Regulation (EC) No 1272/2008 [CLP]: ye Irritation, Category 2A agory 1 agulation (EC) No 1272/2008 [CLP]: Warning irritation. gic skin reaction. : ughly after handling. oves/protective clothing/eye protection/face protection st/fume/gas/mist/vapours/spray}. clothing should not be allowed out of the workplace. minated clothing and wash it before reuse.	n}.
.1 2	Classification according Serious Eye Damage/Ey Skin Sensitization, Cate Label Elements: Labeling according to Re GHS Signal Word: GHS Hazard Phrases: H319: Causes serious eye H317: May cause an allerg GHS Precaution Phrases P264: Wash {hands} thoro P280: Wear {protective glo P261: Avoid breathing {dus P272: Contaminated work P362+364: Take off contar GHS Response Phrases: P305+351+338: IF IN EYE to do. Continue rinsing. P337+313: If eye irritation	stance or Mixture: to Regulation (EC) No 1272/2008 [CLP]: ye Irritation, Category 2A agory 1 agulation (EC) No 1272/2008 [CLP]: Warning irritation. gic skin reaction. :: ughly after handling. ves/protective clothing/eye protection/face protection st/fume/gas/mist/vapours/spray}. clothing should not be allowed out of the workplace. minated clothing and wash it before reuse. :: S: Rinse cautiously with water for several minutes. If persists, get medical advice/attention.	n}.
1.1 2	Classification according Serious Eye Damage/Ey Skin Sensitization, Cate Label Elements: Labeling according to Re GHS Signal Word: GHS Hazard Phrases: H319: Causes serious eye H317: May cause an allerg GHS Precaution Phrases P264: Wash {hands} thoroi P280: Wear {protective glo P261: Avoid breathing {dus P272: Contaminated work P362+364: Take off contar GHS Response Phrases: P305+351+338: IF IN EYE to do. Continue rinsing. P337+313: If eye irritation P302+352: IF ON SKIN: W	stance or Mixture: to Regulation (EC) No 1272/2008 [CLP]: ye Irritation, Category 2A agory 1 agulation (EC) No 1272/2008 [CLP]: Warning irritation. gic skin reaction. :: ughly after handling. ves/protective clothing/eye protection/face protection st/fume/gas/mist/vapours/spray}. clothing should not be allowed out of the workplace. minated clothing and wash it before reuse. :: :: :: :: :: :: :: :: :: :	n}.
1.1 2	Classification according Serious Eye Damage/Ey Skin Sensitization, Cate Label Elements: Labeling according to Re GHS Signal Word: GHS Hazard Phrases: H319: Causes serious eye H317: May cause an allerg GHS Precaution Phrases P264: Wash {hands} thoroi P280: Wear {protective glo P261: Avoid breathing {dus P272: Contaminated work P362+364: Take off contar GHS Response Phrases: P305+351+338: IF IN EYE to do. Continue rinsing. P337+313: If eye irritation P302+352: IF ON SKIN: W	stance or Mixture: to Regulation (EC) No 1272/2008 [CLP]: ye Irritation, Category 2A egory 1 egulation (EC) No 1272/2008 [CLP]: Warning irritation. gic skin reaction. :: ughly after handling. ves/protective clothing/eye protection/face protection st/fume/gas/mist/vapours/spray}. clothing should not be allowed out of the workplace. minated clothing and wash it before reuse. S: Rinse cautiously with water for several minutes. If persists, get medical advice/attention. /ash with plenty of soap and water. or rash occurs, seek medical advice/attention.	n}.



Revision: 02/02/2015 Supersedes Revision: 06/07/2010

2.3	Adverse Human Health	Causes 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 an allergic skin reaction.
		May cause 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

	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
22978-25-2 NA	GW 9662	100.0 %		Skin Sens. 1: H317 Eye Damage 2A: H319

		<u>Section</u> 4.	First Aid Measures
4.1	Description of First Aid	No data available.	
	Measures:		
	In Case of Inhalation:	Remove to fresh air. If no Get immediate medical a	t breathing, give artificial respiration or give oxygen by trained personnel. ttention.
	In Case of Skin Contact:	-	ith soap and plenty of water for at least 15 minutes. Remove contaminate ention if symptoms occur. Wash clothing before reuse.
	In Case of Eye Contact:	Hold eyelids apart and flu and tested by medical pe	ish eyes with plenty of water for at least 15 minutes. Have eyes examined rsonnel.
	In Case of Ingestion:		er provided person is conscious. Never give anything by mouth to an medical attention. Do NOT induce vomiting unless directed to do so by
		Section 5. F	ire Fighting Measures
5.1	Suitable Extinguishing Media:	Use alcohol-resistant foa Use water spray to cool f	m, carbon dioxide, water, or dry chemical spray. ire-exposed containers.
	Unsuitable Extinguishing Media:	A solid water stream may	y be inefficient.
5.2	Flammable Properties an	d No data available.	
	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 prote	ective gear to prevent contact with skin and eyes.



Revision: 02/02/2015

Supersedes Revision: 06/07/2010

Section 6. Accidental Release Measures 6.1 Avoid raising and breathing dust, and provide adequate ventilation. **Protective Precautions,** Protective Equipment and As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves). **Emergency Procedures:** 6.2 Environmental Take steps to avoid release into the environment, if safe to do so. **Precautions:** 6.3 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. 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. Store in accordance with information listed on the product insert. in Storing: Section 8. Exposure Controls/Personal Protection 8.1 **Exposure Parameters:** CAS # Partial Chemical Name **Britain EH40** France VL Europe 22978-25-2 No data. No data. No data. GW 9662 CAS # **Partial Chemical Name OSHA TWA ACGIH TWA** Other Limits No data. No data. No data. 22978-25-2 GW 9662 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 equipment: 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. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety ce Practices: shower. Wash thoroughly after handling. No data available.



	S	Section 9. Physical and Chemical Properties
9 .1		/sical and Chemical Properties
	Physical States:	[]Gas []Liquid [X]Solid
	Appearance and Odor:	A crystalline solid
	Melting Point:	No data.
	Boiling Point:	No data.
	Flash Pt:	No data.
	Evaporation Rate:	No data.
	Explosive Limits:	LEL: No data. UEL: No data.
	Vapor Pressure (vs. Air	or mm No data.
	Hg):	
	Vapor Density (vs. Air =	
	Specific Gravity (Water =	= 1): No data.
	Solubility in Water:	No data.
	Solubility Notes:	~0.5 mg/ml in 1:2 DMF:PBS (pH 7.2); ~2 mg/ml in EtOH; ~35 mg/ml in DMF; ~33 mg/ml in DMSO;
	Autoignition Pt:	No data.
9.2	Other Information	
	Percent Volatile:	No data.
	Molecular Formula & We	ight: C13H9CIN2O3 276.7
		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 - Materia	Is strong oxidizing agents
	To Avoid:	
10.6	Hazardous	carbon dioxide
	Decomposition Or	carbon monoxide
	Byproducts:	hydrogen chloride gas
		nitrogen oxides
		Multi-region forma



Multi-region format

1.1	Informa	tion on	The toxicological effects of this	s product have not b	een thoroughly st	udied.	
	Toxicol	ogical Effects:	-				
CAS #		Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA
22978	8-25-2	GW 9662		n.a.	n.a.	n.a.	n.a.
			Section 12. Ecol	ogical Inform	ation	·	
12.1	Toxicity	′:	Avoid release into the environ	-			
			Runoff from fire control or dilu	tion water may caus	e pollution.		
12.2	Persiste	ence and	No data available.				
	Degrada	ability:					
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	ment:					
			Section 13. Dispo	osal Consider	ations		
13.1	Waste D	Disposal Method:	Dispose in accordance with lo	cal, state, and feder	al regulations.		
			Section 14. Tra	nsport Inform	ation		
14.1	LAND T	RANSPORT (US	DOT):	•			
		er Shipping Name					
	-	d Class:					
UN	I/NA Nur	mber:					
14.1	LAND 1	RANSPORT (Eur	opean ADR/RID):				
		hipping Name:	Not dangerous goods.				
	I Numbe						
На	zard Cla	ISS:					
14.3	AIR TR	ANSPORT (ICAO/	IATA):				
IC/	ΑΟ/ΙΑΤΑ	Shipping Name:	Not dangerous goods.				
Additio	onal Tra	nsport	Transport in accordance with	local, state, and fed	eral regulations.		
Inform	ation:						
			Section 15. Reg	ulatory Inform	nation		
EPA S	ARA (Sı	perfund Amendn	nents and Reauthorization Ac	t of 1986) Lists			
CAS #		Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 31	3 (TRI)
	8-25-2	GW 9662		No	No	No	
22978		Hazardous Com	ponents (Chemical Name)	Other US EPA	or State Lists		
22978 CAS #		014/0000		CAA HAP,ODC	: No; CWA NPDE	S. NO. TOCA	
CAS #	8-25-2	GW 9662		PROP.65: No	,	.o. NO, 100A	: No; CA



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: Additional Information About This Product:	02/02/2015 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.



	acco	ording to Regulation (EC) No. 1907/2006 as amended by (E	EC) No. 1272/2008
	Section 1.	dentification of the Substance/Mixture and of the	e Company/Undertaking
.1	Product Code: Product Name: Synonyms:	71730 Ciglitazone 5-[[4-[(1-methylcyclohexyl)methoxy]phenyl]meth	nyl]-2,4-thiazolidinedione; ADD 3878; U-63287
.2	Relevant identified uses of Relevant identified uses:	the substance or mixture and uses advised aga For research use only, not for human or vetering	
.3	Details of the Supplier of the	he 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
.4	Emergency telephone num	ıber:	
	Emergency Contact:	CHEMTREC Within USA and Canada: CHEMTREC Outside USA and Canada:	+1 (800)424-9300 +1 (703)527-3887
		Section 2. Hazards Identifica	tion
2.2.1		gulation (EC) No 1272/2008 [CLP]:	
	GHS Signal Word:	Warning	
	GHS Signal Word: GHS Hazard Phrases: H361: Suspected of damagi	Warning ng fertility or the unborn child.	
	GHS Hazard Phrases: H361: Suspected of damagi GHS Precaution Phrases: P201: Obtain special instruct	ng fertility or the unborn child. ctions before use. I safety precautions have been read and understood	I.
	GHS Hazard Phrases: H361: Suspected of damagi GHS Precaution Phrases: P201: Obtain special instruct P202: Do not handle until al P281: Use personal protecti GHS Response Phrases:	ng fertility or the unborn child. ctions before use. I safety precautions have been read and understood	l.

1
Cayman

SAFETY DATA SHEET Ciglitazone

Revision: 02/03/2015

	CHIMICA.					Supersedes Revision: 05/03/2006
2.3	Adver	se Human Health	Material may be irritating to	the mucous membr	anes and upper rea	spiratory tract.
	Effects	s and Symptoms:	May be harmful by inhalation	n, ingestion, or skin	absorption.	
			May cause eye, skin, or resp	piratory system irrita	ation.	
			Suspected of damaging ferti	lity or the unborn cl	hild.	
			To the best of our knowledge	e, the toxicological	properties have no	t been thoroughly investigated.
		Sec	tion 3. Compositior	n/Information	on Ingredie	nts
CAS	#/	Hazardous Com	ponents (Chemical Name)/	Concentration	EC No./	GHS Classification
RTE	CS #	REACH Registra	tion No.		EC Index No.	
7477	72-77-3	Ciglitazone		100.0 %	NA	Toxic Repro. 2: H361
XJ58 ⁻	13700				NA	
			Section 4. Fi	rst Aid Meas	sures	
4.1	Descri	iption of First Aid	No data available.			
	Measu	ires:				
	In Cas	e of Inhalation:	Remove to fresh air. If not br	eathing, give artific	ial respiration or given	ve oxygen by trained personnel
			Get immediate medical atten	tion.		
	In Cas	e of Skin Contact:	Immediately wash skin with	soap and plenty of v	water for at least 15	5 minutes. Remove contaminate
			clothing. Get medical attention	on if symptoms occu	ur. Wash clothing b	efore reuse.
	In Cas	e of Eye Contact:	Hold eyelids apart and flush	eyes with plenty of	water for at least 1	5 minutes. Have eyes examine
			and tested by medical person	nnel.		
	In Cas	e of Ingestion:	Wash out mouth with water p	provided person is a	conscious. Never g	ive anything by mouth to an
			unconscious person. Get me	dical attention. Do	NOT induce vomiti	ng unless directed to do so by
			medical personnel.			
			Section 5. Fire	Fighting Me	easures	
5.1	Suitab	le Extinguishing	Use alcohol-resistant foam,	carbon dioxide, wat	ter, or dry chemical	spray.
	Media	:	Use water spray to cool fire-	exposed containers	6.	
	Unsuit	table Extinguishing	g A solid water stream may be	e inefficient.		
	Media	:				
5.2	Flamm	hable Properties ar	ndNo data available.			
	Hazaro	ds:				
	Flash	Pt:	No data.			
	Explos	sive Limits:	LEL: No data.	UEL: No	data.	
	-	nition Pt:	No data.			
5.3		-	s: As in any fire, wear self-cont	ained breathing an	paratus pressure-d	emand (NIOSH approved or
0.0	Theri		equivalent), and full protectiv	÷ .		
			Section 6. Accider	ntal Release	Measures	
6.1	Protec	tive Precautions,	Avoid raising and breathing	dust, and provide a	adequate ventilation	n.
				-	-	eathing apparatus, or respirator
	Emerg	jency Procedures:	and appropriate personal pr	otection (rubber bo	ots, safety goggles	, and heavy rubber gloves).
6.2	Enviro	onmental	Take steps to avoid release	into the environme	ent, if safe to do so.	
• •		utions:		· ·		
6.3			r Contain spill and collect, as		oool in concreter	with loool regulations
		Inment and Cleani	ngTransfer to a chemical wast	e container for disp	oosal in accordance	e with local regulations.
	Up:					
						Multi-region for



Revision: 02/03/2015 Supersedes Revision: 05/03/2006

			S	Section 7	. Hanc	lling and S	Storage		
7.1	Precauti	ions To Be Taken	Avoid b	preathing dust	t/fume/gas/	mist/vapours/s	oray.		
	in Hand	ling:	Avoid p	orolonged or r	repeated ex	posure.			
7.2	Precauti	ions To Be Taken	Keep c	ontainer tight	ly closed.				
	in Storir	ng:	Store in	n accordance	with inform	ation listed on	the product inser	t.	
		Sec	tion 8	. Exposi	ure Cor	trols/Pers	sonal Prote	ction	
8.1	Exposur	e Parameters:							
CAS	#	Partial Chemical	Name		Britain	EH40	France VI	-	Europe
747	72-77-3	Ciglitazone			No data.		No data.		No data.
CAS	#	Partial Chemical	Name		OSHA 1	WA	ACGIH TV	VA	Other Limits
747	72-77-3	Ciglitazone			No data.		No data.		No data.
8.2	Exposur	e Controls:			_ I		Į		
8.2.1	Enginee	ring Controls	Use pro	ocess enclosi	ures, local e	exhaust ventilat	ion, or other eng	ineering control	s to control airbor
	-	tion etc.):		elow recomn				Ū	
8.2.2	-	al protection equi	pment:						
	Eye Pro			glasses					
	Protecti	ve Gloves:	-	tible chemica	al-resistant	gloves			
	Other P	rotective Clothing	:Lab coa	at		-			
	Respirat	tory Equipment	NIOSH	approved res	spirator, as	conditions war	rant.		
	(Specify	Type):			•				
	Work/Hy	/gienic/Maintenar	n Do not	take internall	у.				
	ce Pract	-			-	material shoul	d be equipped wi	th an eyewash	and a safety show
			Wash t	horoughly aft	er handling				
			No data	a available.					
		S	ectior	9. Phy	sical ar	d Chemic	al Properti	es	
9.1	Informat	ion on Basic Phy							
	Physica	I States:		[]Gas	[] Liquid	[X] Solid			
	Appeara	ance and Odor:		A crystalline	solid				
	Melting	Point:		122.00 C - 1	24.00 C				
	Boiling	Point:		No data.					
	Flash Pt	:		No data.					
	Evapora	tion Rate:		No data.					
	Explosiv	ve Limits:		LEL: No dat	a.	U	EL: No data.		
	Vapor P	ressure (vs. Air o	r mm	No data.					
	Hg):		N.	No data.					
		ensity (vs. Air = 1	·).						
	Vapor D	ensity (vs. Air = 1 Gravity (Water =	-	No data.					
	Vapor D Specific		-						
	Vapor D Specific Solubilit	Gravity (Water =	-	No data. No data.	n 1:4 DMS(D:PBS (pH 7.2)	; ~16 mg/ml in et	hanol, DMSO &	& DMF;



	Percent V		No data.				
	Molecular	r Formula & Weig					
			Section 10. Stability ar	d Reactiv	/ity		
10.1	Reactivity	/:	No data available.				
10.2	Stability:		Unstable [] Stable [X]				
10.3	Stability N	Note(s):	Stable if stored in accordance with infor	mation listed o	on the product	insert.	
	Polymeriz	zation:	Will occur [] Will not occur [X]				
10.4	Condition	is To Avoid:	No data available.				
10.5	-	-	strong oxidizing agents				
	To Avoid:						
10.6	Hazardou	-	No data available.				
	Decompo						
	Byproduc	sts:					
			Section 11. Toxicologica	al Informa	ation		
11.1	Informatio	on on	The toxicological effects of this product	have not been	thoroughly st	udied.	
	Toxicolog	jical Effects:	Ciglitazone - Toxicity Data: Oral TDLo (at): 2460 mg/	kg/82D (interm	nittent); Oral TI	DLo (mouse
			950 mg/kg (1-19 day(s) after conception				
		oxicological	Ciglitazone - Investigated as a reproduc				
	Effects:		Only select Registry of Toxic Effects of		stances (RTE	CS) data is pre	sented here
			See actual entry in RTECS for complete				
			Ciglitazone RTECS Number: XJ581370	0			
CAS				0 NTP	IARC	ACGIH	OSHA
		Hazardous Comp Ciglitazone	Ciglitazone RTECS Number: XJ581370	0	n.a.	ACGIH n.a.	OSHA n.a.
			Ciglitazone RTECS Number: XJ581370	0 NTP n.a.	n.a.		_
			Ciglitazone RTECS Number: XJ581370	0 NTP n.a.	n.a.		_
7477	72-77-3		Ciglitazone RTECS Number: XJ581370 ponents (Chemical Name) Section 12. Ecological	n.a.	n.a.		_
7477	72-77-3	Ciglitazone	Ciglitazone RTECS Number: XJ581370 ponents (Chemical Name) Section 12. Ecological Avoid release into the environment.	n.a.	n.a.		_
7477 12.1	72-77-3 (Toxicity:	Ciglitazone	Ciglitazone RTECS Number: XJ581370 ponents (Chemical Name) Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution water	n.a.	n.a.		_
7477 12.1	Toxicity: Persisten	Ciglitazone ce and illity:	Ciglitazone RTECS Number: XJ581370 ponents (Chemical Name) Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution water	n.a.	n.a.		_
747 12.1 12.2	Toxicity: Persisten Degradab	Ciglitazone ce and illity: nulative	Ciglitazone RTECS Number: XJ581370 ponents (Chemical Name) Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution water No data available.	n.a.	n.a.		_
747 12.1 12.2	72-77-3 (Toxicity: Persisten Degradab Bioaccum	Ciglitazone ce and illity: nulative	Ciglitazone RTECS Number: XJ581370 ponents (Chemical Name) Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution water No data available.	n.a.	n.a.		_
747 12.1 12.2 12.3	Toxicity: Toxicity: Persisten Degradab Bioaccum Potential: Mobility in	Ciglitazone ce and ility: nulative n Soil:	Ciglitazone RTECS Number: XJ581370 ponents (Chemical Name) Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution water No data available. No data available.	n.a.	n.a.		_
747 12.1 12.2 12.3 12.4	Toxicity: Toxicity: Persisten Degradab Bioaccum Potential: Mobility in	Ciglitazone ce and ility: nulative n Soil: f PBT and vPvB	Ciglitazone RTECS Number: XJ581370 ponents (Chemical Name) Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution water No data available. No data available. No data available.	n.a.	n.a.		_
747 12.1 12.2 12.3 12.4	Toxicity: Persisten Degradab Bioaccum Potential: Mobility in Results of	Ciglitazone ce and ility: nulative n Soil: f PBT and vPvB	Ciglitazone RTECS Number: XJ581370 ponents (Chemical Name) Section 12. Ecological Avoid release into the environment. Runoff from fire control or dilution water No data available. No data available. No data available.	n.a. Informati	n.a.		_



		Section 14. Trar	nsport Informa	ation	
14.1 LAND	TRANSPORT (US	DOT):			
DOT Prop DOT Haza UN/NA Nu		: Not dangerous goods.			
14.1 LAND	TRANSPORT (Eur	opean ADR/RID):			
ADR/RID S UN Numbe Hazard Cla		Not dangerous goods.			
14.3 AIR TR	ANSPORT (ICAO/	IATA):			
ICAO/IAT/	A Shipping Name:	Not dangerous goods.			
Additional Tra	ansport	Transport in accordance with I	ocal, state, and fede	ral regulations.	
		Section 15. Regu	latory Information	ation	
		nents and Reauthorization Act	-		
CAS #		ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
74772-77-3	Ciglitazone		No	No	No
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA o	r State Lists	
74772-77-3	Ciglitazone		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No		
Statement:		No.1272/2008. Section 16. Ot	ber Informati	<u>מר</u>	
Revision Date	<u>.</u>	02/03/2015		511	
	ormation About	No data available.			
This Product:					
≎ompany Poli	cy or Disclaimer:	DISCLAIMER: This information currently available to us. Howe express or implied, with respec use. Users should make their their particular purposes.	ever, we make no wa ct to such information	rranty of merchanta n, and we assume r	ability or any other warrant no liability resulting from its



Multi-region format

		acco	ording to Regulation (EC) No. 190	07/2006 as amended	by (EC) No. 1272/200)8		
		Section 1.	dentification of the Substar	nce/Mixture and o	f the Company/U	ndertaking		
.1	Produc	t Code:	71740					
	Produc	t Name:	Rosiglitazone					
	Synony	/ms:	5-[[4-[2-(methyl-2-pyridin	ylamino)ethoxy]phe	enyl]methyl]-2,4-thi	azolidinedione; BRL 49653;		
.2	Releva	nt identified uses of	the substance or mixture a	and uses advised	against:			
	Relev	ant identified uses:	For research use only, ne	ot for human or vet	erinary use.			
1.3	Details	Details of the Supplier of the Safety Data Sheet:						
	Comp	bany Name:	Cayman Chemical Comp 1180 E. Ellsworth Rd. Ann Arbor, MI 48108	bany				
	Web s	site address:	www.caymanchem.com					
	Inform	nation:	Cayman Chemical Comp	bany	+1 (73	4)971-3335		
1.4	Emerge	ency telephone num	ıber:					
	Emerg	gency Contact:	CHEMTREC Within USA	and Canada:	+1 (80	0)424-9300		
			CHEMTREC Outside US	A and Canada:	+1 (70	3)527-3887		
			Section 2. Ha	zards Identif	ication			
2.1	Classifi	ication of the Subst	ance or Mixture:					
2.1.1	Classif	ication according t	o Regulation (EC) No 1272/2	2008 [CLP]:				
2.2	Label E	lements:						
2.2.1	Labelir	ng according to Reg	gulation (EC) No 1272/2008	[CLP]:				
	GHS S	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:						
		Precaution Phrases).					
	GHS	Precaution Phrases trases apply.						
	GHS No ph							
	GHS No ph GHS	rases apply.						
	GHS No ph GHS No ph	arases apply. Response Phrases:						
	GHS No ph GHS No ph GHS	nrases apply. Response Phrases: nrases apply. Storage and Dispos	al Phrases: or Storage and Section 13 for	-				
2.3	GHS No ph GHS No ph GHS Pleas Advers	arases apply. Response Phrases: arases apply. Storage and Dispos e refer to Section 7 fo se Human Health	sal Phrases: or Storage and Section 13 for Material may be irritating to t	he mucous membr	anes and upper res	spiratory tract.		
2.3	GHS No ph GHS No ph GHS Pleas Advers	arases apply. Response Phrases: arases apply. Storage and Dispos e refer to Section 7 fo	cal Phrases: or Storage and Section 13 for Material may be irritating to t May be harmful by inhalation	he mucous membr n, ingestion, or skin	anes and upper res absorption.	spiratory tract.		
2.3	GHS No ph GHS No ph GHS Pleas Advers	arases apply. Response Phrases: arases apply. Storage and Dispos e refer to Section 7 fo se Human Health	sal Phrases: or Storage and Section 13 for Material may be irritating to t May be harmful by inhalation May cause eye, skin, or resp	he mucous membra n, ingestion, or skin iratory system irrita	anes and upper res absorption. ation.			
2.3	GHS No ph GHS No ph GHS Pleas Advers	arases apply. Response Phrases: arases apply. Storage and Dispos e refer to Section 7 fo se Human Health and Symptoms:	al Phrases: or Storage and Section 13 for Material may be irritating to t May be harmful by inhalation May cause eye, skin, or resp To the best of our knowledge	he mucous membra a, ingestion, or skin a iratory system irrita e, the toxicological p	anes and upper res absorption. ation. properties have not	been thoroughly investigate		
2.3	GHS No ph GHS No ph GHS Pleas Advers	arases apply. Response Phrases: arases apply. Storage and Dispos e refer to Section 7 fo se Human Health and Symptoms:	sal Phrases: or Storage and Section 13 for Material may be irritating to t May be harmful by inhalation May cause eye, skin, or resp	he mucous membra a, ingestion, or skin a iratory system irrita e, the toxicological p	anes and upper res absorption. ation. properties have not	been thoroughly investigate		
2.3 CAS RTEC	GHS No ph GHS No ph Pleas Advers Effects	arases apply. Response Phrases: arases apply. Storage and Dispose e refer to Section 7 for the Human Health and Symptoms: Section	al Phrases: or Storage and Section 13 for Material may be irritating to t May be harmful by inhalation May cause eye, skin, or resp To the best of our knowledge On 3. Composition onents (Chemical Name)/	he mucous membra a, ingestion, or skin a iratory system irrita e, the toxicological p	anes and upper res absorption. ation. properties have not	been thoroughly investigate		
CAS RTE(GHS No ph GHS No ph Pleas Advers Effects	arases apply. Response Phrases: arases apply. Storage and Dispose e refer to Section 7 for se Human Health a and Symptoms: Section Hazardous Compose	al Phrases: or Storage and Section 13 for Material may be irritating to t May be harmful by inhalation May cause eye, skin, or resp To the best of our knowledge On 3. Composition onents (Chemical Name)/	he mucous membra n, ingestion, or skin piratory system irrita e, the toxicological n/Information	anes and upper res absorption. ation. properties have no On Ingredie EC No./	been thoroughly investigate		



			Section	4. First Aid M	easures	
4.1	Descrip	otion of First Aid				
	Measur	es:				
	In Case	of Inhalation:	Remove to fresh air. Get immediate medio	0.0	artificial respiration or give oxygen	by trained personnel.
	In Case	of Skin Contact:	-		ty of water for at least 15 minutes. s occur. Wash clothing before reus	
	In Case	of Eye Contact:	-	nd flush eyes with pler	ty of water for at least 15 minutes.	
	In Case	of Ingestion:			n is conscious. Never give anythir . Do NOT induce vomiting unless	
			Section 5.	Fire Fighting	Measures	
5.1	Suitable	e Extinguishing	Use alcohol-resistan	t foam, carbon dioxide	e, water, or dry chemical spray.	
	Media:	0 0		cool fire-exposed conta		
	Unsuita	able Extinguishing	A solid water stream	-		
	Media:					
5.2	Flamma	able Properties an	d No data available.			
	Hazard	-				
	Flash P	't:	No data.			
	Explosi	ive Limits:	LEL: No data.	UEL:	No data.	
	Autoigr	nition Pt:	No data.			
5.3	Fire Fig	hting Instructions	: As in any fire, wear	self-contained breathir	ng apparatus pressure-demand (N	IOSH approved or
	-		-		vent contact with skin and eyes.	
			Section 6. Ac	cidental Relea	ase Measures	
6.1	Protect	ive Precautions,	Avoid raising and br	reathing dust, and pro	vide adequate ventilation.	
	Protect	ive Equipment and	d As conditions warra	nt, wear a NIOSH app	roved self-contained breathing ap	paratus, or respirator,
	Emerge	ency Procedures:	and appropriate per	sonal protection (rubb	er boots, safety goggles, and heav	/y rubber gloves).
6.2	Enviror	nmental	Take steps to avoid	release into the envir	onment, if safe to do so.	
	Precaut	tions:				
6.3	Method	Is and Material Fo	r Contain spill and co	llect, as appropriate.		
	Contair Up:	nment and Cleanir	ngTransfer to a chemi	cal waste container fo	r disposal in accordance with local	regulations.
			Section 7	. Handling an	d Storage	
7.1	Precau	tions To Be Taken	Avoid breathing dust	t/fume/gas/mist/vapou	rs/spray.	
	in Hanc	lling:	Avoid prolonged or r	epeated exposure.		
7.2	Precaut	tions To Be Taken	Keep container tight	ly closed.		
	in Stori	ng:	Store in accordance	with information listed	l on the product insert.	
		Sec	tion 8. Exposi	ure Controls/P	ersonal Protection	
8.1	Exposu	re Parameters:				
CAS	#	Partial Chemical	Name	Britain EH40	France VL	Europe
1223	20-73-4	Rosiglitazone		No data.	No data.	No data.
		•		*		
						Multi-region format



CAS #	¥	Partial Chemical Na	ame	OSHA TWA	ACGIH TWA	Other Limits
1223	20-73-4	Rosiglitazone		No data.	No data.	No data.
2	Exposur	e Controls:				Į
.2.1	Enginee	ering Controls	lse process enclos	ures, local exhaust vent	ilation, or other engineering o	ontrols to control airbor
	-	-	•	mended exposure limits		
.2.2	-	al protection equipm	nent:			
	Eye Pro	tection: S	afety glasses			
	Protecti	ve Gloves: C	compatible chemica	al-resistant gloves		
	Other P	rotective Clothing:∟	ab coat			
	Respira	tory Equipment N	IIOSH approved re	spirator, as conditions v	varrant.	
	(Specify	[,] Туре):				
	Work/Hy	/gienic/Maintenan D	o not take internal	ly.		
	ce Pract	tices: F	acilities storing or	utilizing this material she	ould be equipped with an eye	wash facility and a safe
		-	hower.			
			Vash thoroughly af	ter handling.		
		Ν	lo data available.			
		Sec	ction 9. Phy	sical and Chem	nical Properties	
.1	Informat	ion on Basic Physic	al and Chemical I	Properties		
	Physica	I States:	[] Gas	[] Liquid [X] Solic	1	
	Appeara	ance and Odor:	A crystalline	solid		
	Melting	Point:	No data.			
	Boiling	Point:	No data.			
	Flash Pt	::	No data.			
	Evapora	tion Rate:	No data.			
		bility (solid, gas):	No data avai			
	-	ve Limits:	LEL: No dat	a.	UEL: No data.	
	-	ressure (vs. Air or n	nm No data.			
	Hg):					
	-	ensity (vs. Air = 1):	No data.			
	•	Gravity (Water = 1)				
		ty in Water:	No data.			
	Solubili	ty Notes:	~0.5 mg/ml ′ DMF;	1:3 DMSO:PBS (pH 7.2); ~1 mg/ml in EtOH; ~34 mg/	ml DMSO; ~25 mg/ml
	Autoign	ition Pt:	No data.			
.2	Other Inf	formation				
	Percent		N.A.			
	Fercent	volatile:	N.A.			



Multi-region format

			Section 10. Stability and	Reactiv	ity		
10.1	Reactivit	y:	No data available.				
10.2	Stability:		Unstable [] Stable [X]				
10.3	Stability	Hazardous Com	Stable if stored in accordance with informa	tion listed or	n the product ir	nsert.	
	Polymeri	zation:	Will occur [] Will not occur [X]				
10.4	Conditio	ns To Avoid:	No data available.				
10.5	Incompat	tibility - Materials	strong oxidizing agents				
	To Avoid	:					
10.6	Hazardou	ıs	carbon dioxide				
	Decomposition or		carbon monoxide				
	Byprodu	cts:	nitrogen oxides				
			sulfur oxides				
			Section 11. Toxicological	Informa	tion		
11.1	Informati	on on	The toxicological effects of this compound				
	Toxicological Effects:		Rosiglitazone - Toxicity Data: Oral TDLO (I				kg;
			Intraperitoneal TDLO (rat): 30 mg/kg; Oral				
		Toxicological	Rosiglitazone - Investigated as a mutagen,	•		•	_
	Effects:		Only select Registry of Toxic Effects of Che		-	S) data is pre	sented
			here. See actual entry in RTECS for complete information.				
			Rosiglitazone RTECS Number: XJ5813850				
^ !.					ulatad 2 Na		
	nogenicity		NTP? No IARC Monographs? No	-	julated? No		
CAS	#	Hazardous Com	NTP? No IARC Monographs? No ponents (Chemical Name)	OSHA Reg NTP	Julated? No	ACGIH	OSHA
CAS	#	Hazardous Com	5 1	-		ACGIH n.a.	OSHA n.a.
CAS	#	Hazardous Com	5 1	NTP n.a.	IARC n.a.		_
CAS : 1223	# 20-73-4	Hazardous Com	ponents (Chemical Name)	NTP n.a.	IARC n.a.		_
CAS : 1223	# 20-73-4	Hazardous Com	ponents (Chemical Name) Section 12. Ecological In	NTP n.a. formatio	IARC n.a.		_
CAS : 1223 12.1	# 20-73-4 Toxicity:	Hazardous Com Rosiglitazone	ponents (Chemical Name) Section 12. Ecological In Avoid release into the environment.	NTP n.a. formatio	IARC n.a.		_
CAS : 1223 12.1	# 20-73-4 Toxicity: Persister	Hazardous Com Rosiglitazone	ponents (Chemical Name) Section 12. Ecological In Avoid release into the environment. Runoff from fire control or dilution water ma	NTP n.a. formatio	IARC n.a.		_
CAS : 1223 12.1 12.1	# 20-73-4 Toxicity: Persister Degradat	Hazardous Com Rosiglitazone	ponents (Chemical Name) Section 12. Ecological In Avoid release into the environment. Runoff from fire control or dilution water ma	NTP n.a. formatio	IARC n.a.		_
CAS : 1223 12.1 12.2	# 20-73-4 Toxicity: Persister Degradat Bioaccur	Hazardous Com Rosiglitazone nce and bility: nulative	ponents (Chemical Name) Section 12. Ecological In Avoid release into the environment. Runoff from fire control or dilution water ma No data available.	NTP n.a. formatio	IARC n.a.		_
CAS ; 1223 12.1 12.2 12.2	# 20-73-4 Toxicity: Persister Degradat Bioaccur Potential	Hazardous Com Rosiglitazone nce and pility: nulative :	ponents (Chemical Name) Section 12. Ecological In Avoid release into the environment. Runoff from fire control or dilution water ma No data available.	NTP n.a. formatio	IARC n.a.		_
CAS ; 1223 12.1 12.2 12.3 12.4	# 20-73-4 Toxicity: Persister Degradat Bioaccur Potential Mobility i	Hazardous Com Rosiglitazone nce and pility: nulative : in Soil:	ponents (Chemical Name) Section 12. Ecological In Avoid release into the environment. Runoff from fire control or dilution water ma No data available. No data available. No data available.	NTP n.a. formatio	IARC n.a.		_
CAS ; 1223 12.1 12.2 12.3 12.4	# 20-73-4 Toxicity: Persister Degradat Bioaccur Potential Mobility i Results c	Hazardous Com Rosiglitazone nce and pility: nulative : in Soil: of PBT and vPvB	ponents (Chemical Name) Section 12. Ecological In Avoid release into the environment. Runoff from fire control or dilution water ma No data available. No data available. No data available.	NTP n.a. formatio	IARC n.a.		_
CAS	# 20-73-4 Toxicity: Persister Degradat Bioaccur Potential Mobility i Results c assessm	Hazardous Com Rosiglitazone nce and pility: nulative : in Soil: of PBT and vPvB	ponents (Chemical Name) Section 12. Ecological In Avoid release into the environment. Runoff from fire control or dilution water ma No data available. No data available. No data available.	NTP n.a. formatio	IARC n.a.		_
CAS; 1223 12.1 12.2 12.3 12.4 12.5	# 20-73-4 Toxicity: Persister Degradat Bioaccur Potential Mobility i Results c assessm	Hazardous Com Rosiglitazone nce and pility: nulative : in Soil: of PBT and vPvB ent:	ponents (Chemical Name) Section 12. Ecological In Avoid release into the environment. Runoff from fire control or dilution water ma No data available. No data available. No data available. No data available.	NTP n.a. formationay cause pol	IARC n.a. DN lution.		_

Cayman

SAFETY DATA SHEET Rosiglitazone

DOT Proper Sh DOT Hazard Cla UN/NA Number 14.1 LAND TRAN ADR/RID Shipp UN Number: Hazard Class:	lass: r: NSPORT (Euro bing Name: PORT (ICAO/I pping Name:	Not dangerous goods. Opean ADR/RID): Not dangerous goods.	nsport Informa	ation	
DOT Proper Sh DOT Hazard Cla UN/NA Number 14.1 LAND TRAN ADR/RID Shipp UN Number: Hazard Class: 14.3 AIR TRANSI ICAO/IATA Ship Additional Transpo	hipping Name: ass: r: NSPORT (Euro bing Name: PORT (ICAO/I pping Name:	Not dangerous goods. Depean ADR/RID): Not dangerous goods.			
DOT Hazard Cla UN/NA Number 14.1 LAND TRAN ADR/RID Shipp UN Number: Hazard Class: 14.3 AIR TRANSI ICAO/IATA Ship Additional Transpo	lass: r: NSPORT (Euro ping Name: PORT (ICAO/I pping Name:	opean ADR/RID): Not dangerous goods.			
ADR/RID Shipp UN Number: Hazard Class: 14.3 AIR TRANSI ICAO/IATA Ship Additional Transpo	ping Name: PORT (ICAO/I pping Name:	Not dangerous goods.			
UN Number: Hazard Class: 14.3 AIR TRANSI ICAO/IATA Ship Additional Transpo	PORT (ICAO/I pping Name:	ATA):			
Hazard Class: 14.3 AIR TRANS ICAO/IATA Ship Additional Transpo	pping Name:	-			
14.3 AIR TRANSI ICAO/IATA Ship Additional Transpo	pping Name:	-			
ICAO/IATA Shi Additional Transpo	pping Name:	-			
Additional Transpo		Not daligerede geede.			
		Transport in accordance with lo	ocal, state, and fede	al regulations.	
		Section 15. Regu	latory Information	ation	
i		ents and Reauthorization Act	•		
		ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
122320-73-4 Ros	siglitazone		No	No	No
		ponents (Chemical Name)	Other US EPA or State Lists		N. 7004 M. 04
122320-73-4 Ros	siglitazone		CAA HAP,ODC: PROP.65: No	No; CWA NPDES:	No; TSCA: No; CA
Regulatory Informa Statement:	ation	This SDS was prepared in accord No.1272/2008.	ordance with 29 CFF	8 1910.1200 and R	egulation (EC)
		Section 16. Ot	her Informatio	on	
Revision Date:		05/18/2015			
Additional Informat This Product:	tion About	No data available.			
Company Policy or	Disclaimer:	DISCLAIMER: This information currently available to us. Howe express or implied, with respec use. Users should make their of their particular purposes.	ver, we make no wa t to such information	ranty of merchanta , and we assume n	bility or any other warranty to liability resulting from its



NTWICK1		Supersedes Revision: 10/09/201
acco	ording to Regulation (EC) No. 1907/2006 as amended by	(EC) No. 1272/2008
Section 1. I	dentification of the Substance/Mixture and of th	ne Company/Undertaking
Product Code: Product Name: Synonyms:	71745 Pioglitazone 5-[[4-[2-(5-ethyl-2-pyridinyl)ethoxy]phenyl]meth	nyl]-2,4-thiazolidinedione;
Relevant identified uses of	f the substance or mixture and uses advised ag	ainst:
Relevant identified uses:	For research use only, not for human or vetering	nary use.
Details of the Supplier of t	he 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
Emergency telephone num	nber:	
Emergency Contact:	CHEMTREC Within USA and Canada: CHEMTREC Outside USA and Canada:	+1 (800)424-9300 +1 (703)527-3887
	Section 2. Hazards Identific	ation
Acute Toxicity: Skin, Cat Label Elements:	tegory 4	
\checkmark		
GHS Signal Word:	Warning	
GHS Hazard Phrases: H302: Harmful if swallowe H312: Harmful in contact w H332: Harmful if inhaled.	d. with skin.	
GHS Hazard Phrases: H302: Harmful if swallowe H312: Harmful in contact v H332: Harmful if inhaled. GHS Precaution Phrases	d. with skin.	
GHS Hazard Phrases: H302: Harmful if swallowe H312: Harmful in contact w H332: Harmful if inhaled. GHS Precaution Phrases P261: Avoid breathing {du P264: Wash {hands} thoro	d. with skin. s: st/fume/gas/mist/vapors/spray}. bughly after handling.	ion}.
GHS Hazard Phrases: H302: Harmful if swallowe H312: Harmful in contact w H332: Harmful if inhaled. GHS Precaution Phrases P261: Avoid breathing {du P264: Wash {hands} thoro	d. with skin. s: st/fume/gas/mist/vapors/spray}. bughly after handling. bves/protective clothing/eye protection/face protecti	ion}.
GHS Hazard Phrases: H302: Harmful if swallowe H312: Harmful in contact w H332: Harmful if inhaled. GHS Precaution Phrases P261: Avoid breathing {du P264: Wash {hands} thoro P280: Wear {protective glo GHS Response Phrases	d. with skin. s: st/fume/gas/mist/vapors/spray}. bughly after handling. bves/protective clothing/eye protection/face protecti	
GHS Hazard Phrases: H302: Harmful if swallowe H312: Harmful in contact w H332: Harmful if inhaled. GHS Precaution Phrases P261: Avoid breathing {du P264: Wash {hands} thoro P280: Wear {protective glo GHS Response Phrases P301+312: IF SWALLOW	d. with skin. s: st/fume/gas/mist/vapors/spray}. bughly after handling. bves/protective clothing/eye protection/face protecti	
GHS Hazard Phrases: H302: Harmful if swallowe H312: Harmful in contact of H332: Harmful if inhaled. GHS Precaution Phrases P261: Avoid breathing {du P264: Wash {hands} thoro P280: Wear {protective glo GHS Response Phrases P301+312: IF SWALLOW P302+352: IF ON SKIN: V	d. with skin. s: st/fume/gas/mist/vapors/spray}. bughly after handling. bves/protective clothing/eye protection/face protecti : ED: Call a POISON CENTER or doctor/physician if	you feel unwell.
GHS Hazard Phrases: H302: Harmful if swallowe H312: Harmful in contact of H332: Harmful if inhaled. GHS Precaution Phrases P261: Avoid breathing {du P264: Wash {hands} thoro P280: Wear {protective glo GHS Response Phrases P301+312: IF SWALLOW P302+352: IF ON SKIN: W P304+340: IF INHALED: F P312: Call a POISON CER	d. with skin. s: st/fume/gas/mist/vapors/spray}. bughly after handling. bves/protective clothing/eye protection/face protecti bves/protective clothing/eye protection/face protecti bves/protective clothing/eye protection/face protecti bves/protective clothing/eye protection/face protection bves/protective clothing/eye protection/face protection bves/protection for clothing/eye protection face protection bves/protection for clothing/eye protection face protection state of the state o	you feel unwell.
GHS Hazard Phrases: H302: Harmful if swallowe H312: Harmful in contact w H332: Harmful if inhaled. GHS Precaution Phrases P261: Avoid breathing {du P264: Wash {hands} thoro P280: Wear {protective glo GHS Response Phrases P301+312: IF SWALLOW P302+352: IF ON SKIN: W P304+340: IF INHALED: F	d. with skin. s: st/fume/gas/mist/vapors/spray}. bughly after handling. bves/protective clothing/eye protection/face protecti bves/protective clothing/eye protection/face protecti bves/protective clothing/eye protection/face protecti bves/protective clothing/eye protection/face protection bves/protective clothing/eye protection/face protection bves/protection for clothing/eye protection face protection bves/protection for clothing/eye protection face protection state of the state o	you feel unwell.
	Product Code: Product Name: Synonyms: Relevant identified uses of Relevant identified uses: Details of the Supplier of t Company Name: Web site address: Information: Emergency telephone num Emergency Contact: Classification of the Subst Classification according t Acute Toxicity: Inhalatio Acute Toxicity: Oral, Cat Acute Toxicity: Skin, Cat	Product Name: Pioglitazone Synonyms: 5-[[4-[2-(5-ethyl-2-pyridinyl)]ethoxy]phenyl]methoty] Relevant identified uses of the substance or mixture and uses advised ag Relevant identified uses: For research use only, not for human or veteri 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 Emergency telephone number: Emergency Contact: CHEMTREC Outside USA and Canada: CHEMTREC Outside USA and Canada: Classification of the Substance or Mixture: Classification according to Regulation (EC) No 1272/2008 [CLP]: Acute Toxicity: Inhalation, Category 4 Acute Toxicity: Skin, Category 4



Revision: 05/18/2015 Supersedes Revision: 10/09/2012

GHS Storage and Disposal Phrases:

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

- 2.3 Adverse Human Health Harmful if inhaled.
 - Effects and Symptoms: Harmful if swallowed.
 - Harmful in contact with skin.

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

May cause 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 # / RTECS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
111025-46-8 XJ5813430	Pioglitazone	100.0 %	601-029-7 NA	Acute Tox.(O) 4: H302 Acute Tox.(D) 4: H312 Acute Tox.(I) 4: H332

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 20 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 20 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 Media:	Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers.
	Media:	A solid water stream may be inefficient.

5.2 Flammable Properties and No data available.

Hazards:

Flash Pt:No data.Explosive Limits:LEL: 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.

UEL: No data.



Revision: 05/18/2015 Supersedes Revision: 10/09/2012

		Section 6. Ac	cidental Releas	se Measures		
Protecti	ve Precautions,	Avoid raising and br	reathing dust, and provid	le adequate ventilation.		
Protecti	ve Equipment an	d As conditions warra	nt, wear a NIOSH appro	ved self-contained breathing	apparatus, or respirato	
Emerge	ncy Procedures:	and appropriate per	sonal protection (rubber	boots, safety goggles, and h	eavy rubber gloves).	
Environ	mental	Take steps to avoid	release into the environ	ment, if safe to do so.		
Precaut	ions:					
		-				
	ment and Cleani	ngTransfer to a chemi	cal waste container for d	lisposal in accordance with lo	ocal regulations.	
Up:						
		Section 7	. Handling and	Storage		
Precaut	ions To Be Taker	n Avoid breathing dust	t/fume/gas/mist/vapours/	/spray.		
in Hand	ling:	Avoid prolonged or r	epeated exposure.			
Precaut	ions To Be Taker	n Keep container tight	ly closed.			
in Stori	ng:	Store in accordance	with information listed o	n the product insert.		
	Sec	tion 8. Exposi	ure Controls/Pe	rsonal Protection		
Exposur	e Parameters:					
	Partial Chemica	I Name	Britain EH40	France VL	Europe	
25-46-8	Pioglitazone		No data.	No data.	No data.	
	Partial Chemica	l Name	OSHA TWA	ACGIH TWA	Other Limits	
25-46-8	Pioglitazone		No data.	No data.	No data.	
Exposu	e Controls:					
Enginee	ering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborn				
(Ventila	tion etc.):	levels below recomn	nended exposure limits.			
Persona	al protection equ	ipment:				
Eye Pro						
	tection:	Safety glasses				
Protecti	tection: ve Gloves:	Safety glasses Compatible chemica	I-resistant gloves			
		Compatible chemica	I-resistant gloves			
Other P Respira	ve Gloves: rotective Clothin tory Equipment	Compatible chemica g:Lab coat	Il-resistant gloves spirator, as conditions wa	arrant.		
Other P Respira (Specify	ve Gloves: rotective Clothin tory Equipment r Type):	Compatible chemica g:Lab coat NIOSH approved res	spirator, as conditions w	arrant.		
Other P Respira (Specify Work/H	ve Gloves: rotective Clothin; tory Equipment 7 Type): ygienic/Maintena	Compatible chemica g:Lab coat NIOSH approved res n Do not take internall	spirator, as conditions way		vash and a safety show	
Other P Respira (Specify	ve Gloves: rotective Clothin; tory Equipment 7 Type): ygienic/Maintena	Compatible chemica g:Lab coat NIOSH approved res n Do not take internall	spirator, as conditions w y. utilizing this material sho	arrant. uld be equipped with an eyev	vash and a safety show	
Other P Respira (Specify Work/H	ve Gloves: rotective Clothin; tory Equipment 7 Type): ygienic/Maintena	Compatible chemica g:Lab coat NIOSH approved res n Do not take internall Facilities storing or u	spirator, as conditions w y. utilizing this material sho		vash and a safety show	
Other P Respira (Specify Work/H	ve Gloves: rotective Clothin; tory Equipment 7 Type): ygienic/Maintena	Compatible chemica g:Lab coat NIOSH approved res n Do not take internally Facilities storing or u Wash thoroughly aft	spirator, as conditions w y. utilizing this material sho		vash and a safety show	
Other P Respira (Specify Work/H	ve Gloves: rotective Clothin; tory Equipment 7 Type): ygienic/Maintena	Compatible chemica g:Lab coat NIOSH approved res n Do not take internally Facilities storing or u Wash thoroughly aft	spirator, as conditions w y. utilizing this material sho		vash and a safety show	
Other P Respira (Specify Work/H	ve Gloves: rotective Clothin; tory Equipment 7 Type): ygienic/Maintena	Compatible chemica g:Lab coat NIOSH approved res n Do not take internally Facilities storing or u Wash thoroughly aft	spirator, as conditions w y. utilizing this material sho		vash and a safety show	
Other P Respira (Specify Work/H	ve Gloves: rotective Clothin; tory Equipment 7 Type): ygienic/Maintena	Compatible chemica g:Lab coat NIOSH approved res n Do not take internally Facilities storing or u Wash thoroughly aft	spirator, as conditions w y. utilizing this material sho		vash and a safety show	
Other P Respira (Specify Work/H	ve Gloves: rotective Clothin; tory Equipment 7 Type): ygienic/Maintena	Compatible chemica g:Lab coat NIOSH approved res n Do not take internally Facilities storing or u Wash thoroughly aft	spirator, as conditions w y. utilizing this material sho		vash and a safety show	
Other P Respira (Specify Work/H	ve Gloves: rotective Clothin; tory Equipment 7 Type): ygienic/Maintena	Compatible chemica g:Lab coat NIOSH approved res n Do not take internally Facilities storing or u Wash thoroughly aft	spirator, as conditions w y. utilizing this material sho		vash and a safety show	
Other P Respira (Specify Work/H	ve Gloves: rotective Clothin; tory Equipment 7 Type): ygienic/Maintena	Compatible chemica g:Lab coat NIOSH approved res n Do not take internally Facilities storing or u Wash thoroughly aft	spirator, as conditions w y. utilizing this material sho		vash and a safety show	
Other P Respira (Specify Work/H	ve Gloves: rotective Clothin; tory Equipment 7 Type): ygienic/Maintena	Compatible chemica g:Lab coat NIOSH approved res n Do not take internally Facilities storing or u Wash thoroughly aft	spirator, as conditions w y. utilizing this material sho		vash and a safety show	
Other P Respira (Specify Work/H	ve Gloves: rotective Clothin; tory Equipment 7 Type): ygienic/Maintena	Compatible chemica g:Lab coat NIOSH approved res n Do not take internally Facilities storing or u Wash thoroughly aft	spirator, as conditions w y. utilizing this material sho		vash and a safety show	
Other P Respira (Specify Work/H	ve Gloves: rotective Clothin; tory Equipment 7 Type): ygienic/Maintena	Compatible chemica g:Lab coat NIOSH approved res n Do not take internally Facilities storing or u Wash thoroughly aft	spirator, as conditions w y. utilizing this material sho		vash and a safety show	
	Emerge Environ Precaut Method Contain Up: Precaut in Hand Precaut in Storin Exposur 25-46-8 Exposur Enginee (Ventila	Emergency Procedures: Environmental Precautions: Methods and Material For Containment and Cleanin Up: Precautions To Be Taken in Handling: Precautions To Be Taken in Storing: Precautions To Be Taken in Storing: Seco Exposure Parameters: Seco Exposure Parameters: Seco Exposure Partial Chemica 25-46-8 Pioglitazone Partial Chemica 25-46-8 Pioglitazone Exposure Controls: Engineering Controls (Ventilation etc.): Personal protection equ	Emergency Procedures: and appropriate per Environmental Take steps to avoid Precautions: Methods and Material For Methods and Material For Contain spill and co Containment and Cleaning Transfer to a chemic Up: Section 7 Precautions To Be Taken Avoid breathing dust in Handling: Avoid prolonged or r Precautions To Be Taken Keep container tight in Storing: Store in accordance Section 8. Exposure Exposure Parameters: Partial Chemical Name 25-46-8 Pioglitazone Exposure Controls: Use process enclose	Emergency Procedures: and appropriate personal protection (rubber Environmental Take steps to avoid release into the environ Precautions: Methods and Material For Contain spill and collect, as appropriate. Containment and Cleaning Transfer to a chemical waste container for dup: Section 7. Handling and Precautions To Be Taken Avoid breathing dust/fume/gas/mist/vapours/ in Handling: Avoid prolonged or repeated exposure. Precautions To Be Taken Keep container tightly closed. In Storing: Store in accordance with information listed or Section 8. Exposure Controls/Pe Exposure Parameters: No data. Partial Chemical Name Britain EH40 Store in accordance 25-46-8 Pioglitazone No data. Exposure Controls: Engineering Controls Use process enclosures, local exhaust ventil (Ventilation etc.):	Environmental Take steps to avoid release into the environment, if safe to do so. Precautions: Methods and Material For Contain spill and collect, as appropriate. Containment and Cleaning Transfer to a chemical waste container for disposal in accordance with lot up: Section 7. Handling and Storage Precautions To Be Taken Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid prolonged or repeated exposure. Precautions To Be Taken Keep container tightly closed. In Storing: Store in accordance with information listed on the product insert. Section 8. Exposure Controls/Personal Protection Exposure Parameters: Image: No data. No data. * Partial Chemical Name Britain EH40 France VL Sc-46-8 No data. No data. * Partial Chemical Name OSHA TWA ACGIH TWA Sc-46-8 No data. No data. No data. * Partial Chemical Name Use process enclosures, local exhaust ventilation, or other engineering controls: In other engineering controls Use process enclosures, local exhaust ventilation, or other engineering controls	



	HEMICAL	Supersedes Revision: 10/09	9/2012
		Section 9. Physical and Chemical Properties	
).1	Information on Basic Phy	ysical and Chemical Properties	
	Physical States:	[]Gas []Liquid [X]Solid	
	Appearance and Odor:	A crystalline solid	
	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 mm No data.	
	Hg):		
	Vapor Density (vs. Air =	1): No data.	
	Specific Gravity (Water =	= 1): No data.	
	Solubility in Water:	No data.	
	Solubility Notes:	~100 µg/ml in 1:1 DMSO:PBS (pH 7.2); ~2.5 mg/ml in DMF & DMSO;	
	Autoignition Pt:	No data.	
9.2	Other Information		
	Percent Volatile:	No data.	
	Molecular Formula & We		
		Section 10. Stability and Reactivity	
0.1	Reactivity:	No data available.	
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:	No data available.	
0.5	Incompatibility - Materia	I s strong oxidizing agents	
	To Avoid:		
10.6	Hazardous	No data available.	
	Decomposition or		
	Byproducts:		



			Section 11. Toxicolog				
11.1 Information on Toxicological Effects:			The toxicological effects of this proc Pioglitazone - Toxicity Data: Intrape mg/kg/7D (intermittent);				use): 18.34
	Chronic ⁻	Toxicological	Pioglitazone - Investigated as a mu	tagen and tumorige	en.		
	Effects:	U	Only select Registry of Toxic Effects			CS) data is pre	sented here
			See actual entry in RTECS for com	plete information.			
			Pioglitazone RTECS Number: XJ58	13430			
CAS #	ŧ	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA
1110	25-46-8	Pioglitazone		n.a.	n.a.	n.a.	n.a.
	•		Section 12. Ecologi	cal Informati	on	ł	•
12.1	Toxicity:		Avoid release into the environment.				
	2		Runoff from fire control or dilution w	ater may cause po	ollution.		
12.2	Persister	nce and	No data available.				
	Degradal	bility:					
12.3	Bioaccur	-	No data available.				
	Potential						
12.4	Mobility i		No data available.				
12.5	-		No data available.				
12.5	assessm		No data avallable.				
126			No data available.				
12.6	Other ad	verse effects:		<u> </u>			
			Section 13. Disposal				
13.1	Waste Di	sposal Method:	Dispose in accordance with local, s		-		
					on		
			Section 14. Transp	ort informati	011		
14.1	LAND TF	RANSPORT (US I	· · · · ·	ort informati			
D	OT Proper	Shipping Name:	ЭОТ):	ort informati			
D		Shipping Name:	ЭОТ):	ort informati			
D	OT Proper	Shipping Name: I Class:	ЭОТ):	ort informati			
D	OT Proper OT Hazard N/NA Num	Shipping Name: I Class:	DOT): Not dangerous goods.	ort informati			
D(D(UI 14.1	OT Proper OT Hazard N/NA Num LAND TF	Shipping Name: I Class: Iber:	DOT): Not dangerous goods.	ort informati			
D(D(UI 14.1 AI	OT Proper OT Hazard N/NA Num LAND TF	Shipping Name: I Class: Iber: RANSPORT (Euro Nipping Name:	DOT): Not dangerous goods. Depean ADR/RID):	ort informati			
D(D(UI 14.1 AI UI	OT Proper OT Hazard N/NA Num LAND TF DR/RID Sh	Shipping Name: I Class: Iber: RANSPORT (Euro hipping Name: :	DOT): Not dangerous goods. Depean ADR/RID):	ort informati			
D(D(UI 14.1 AI UI	OT Proper OT Hazard N/NA Num LAND TF DR/RID Sh N Number azard Clas	Shipping Name: I Class: Iber: RANSPORT (Euro hipping Name: :	DOT): Not dangerous goods. Depean ADR/RID): Not dangerous goods.	ort informati			
D(D(UI 14.1 AI UI Ha 14.3	OT Proper OT Hazard N/NA Num LAND TF DR/RID Sh N Number azard Clas AIR TRA	Shipping Name: I Class: Iber: RANSPORT (Euro hipping Name: :	DOT): Not dangerous goods. Depean ADR/RID): Not dangerous goods.	ort informati			
D(D(UI 14.1 UI H; 14.3 IC	OT Proper OT Hazard N/NA Num LAND TF DR/RID Sh N Number azard Clas AIR TRA	Shipping Name: I Class: Iber: RANSPORT (Euro hipping Name: : SS: NSPORT (ICAO/I Shipping Name:	DOT): Not dangerous goods. Depean ADR/RID): Not dangerous goods.				



		-	ulatory Inform		
	1	nents and Reauthorization Act		S 204 DO	
CAS # 111025-46-8	Pioglitazone	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ No	S. 313 (TRI)
	-				
CAS #		ponents (Chemical Name)	Other US EPA o		
111025-46-8	Pioglitazone		PROP.65: Yes	NO, CWA NPDES	No; TSCA: No; CA
Regulatory Inf	ormation	This SDS was prepared in acc No.1272/2008.	ordance with 29 CFF	R 1910.1200 and R	egulation (EC)
		Section 16. Ot	her Informatio	on	
Revision Date:		05/18/2015			
dditional Info	ormation About	No data available.			
his Product:					



	HEMICAL		ording to Doculation (EO) No. 100	7/2006		Supersedes Revision: 03/29/2013
			ording to Regulation (EC) No. 190			
		Section 1.	Identification of the Substar	nce/Mixture and of	f the Company/U	ndertaking
	Product		71750			
	Product		Troglitazone		athul 211 1 hanzan	wron 2 yd)mothoyydnhonydlmoth
	Synony	115.	2,4-thiazlidinedione; Res	-	ethyl-zm-1-benzop	yran-2-yl)methoxy]phenyl]metl
.2	Relevan	t identified uses o	f the substance or mixture a	and uses advised a	against:	
	Releva	int identified uses	: For research use only, no	ot for human or vete	erinary use.	
1.3	Details of	of the Supplier of t	the Safety Data Sheet:			
	Comp	any Name:	Cayman Chemical Comp 1180 E. Ellsworth Rd. Ann Arbor, MI 48108	bany		
	Web s	ite address:	www.caymanchem.com			
	Inform	ation:	Cayman Chemical Comp	bany	+1 (73	4)971-3335
1.4	-	ncy telephone nur	nber:			
	Emerg	ency Contact:	CHEMTREC Within USA		-	0)424-9300
			CHEMTREC Outside US			3)527-3887
			Section 2. Ha	zards Identifi	ication	
2.3	GHS F Based GHS F No phi GHS F No phi GHS S Please Advers	Precaution Phrases rases apply. Response Phrases rases apply. Storage and Dispo e refer to Section 7 f e Human Health and Symptoms:	sal Phrases: for Storage and Section 13 for Material may be irritating to t May be harmful by inhalation May cause eye, skin, or resp To the best of our knowledge	Disposal information he mucous membra n, ingestion, or skin a iratory system irrita e, the toxicological p	on. anes and upper res absorption. tion. properties have no	spiratory tract. t been thoroughly investigated.
		Sect	ion 3. Composition	/Information	on Ingredie	nts
CAS # RTEC	-	Hazardous Comp REACH Registrat	oonents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	GHS Classification



			Section 4	4. First Aid M	easures	
4.1	Descrip	otion of First Aid				
	Measur	es:				
	In Case	of Inhalation:	Remove to fresh air. I Get immediate medic		artificial respiration or give oxy	gen by trained personnel.
	In Case	of Skin Contact:	-		y of water for at least 20 minut	
	In Case	of Eye Contact:	-	d flush eyes with plen	ty of water for at least 20 minu	
	In Case	of Ingestion:			n is conscious. Never give any . Do NOT induce vomiting unle	
			Section 5.	Fire Fighting	Measures	
5.1	Suitable	e Extinguishing	Use alcohol-resistant	foam, carbon dioxide	, water, or dry chemical spray	
	Media:		Use water spray to co	ool fire-exposed conta	iners.	
	Unsuita	able Extinguishing	A solid water stream	may be inefficient.		
	Media:					
5.2	Flamma	able Properties an	d No data available.			
	Hazard	S:				
	Flash P	't:	No data.			
	Explosi	ve Limits:	LEL: No data.	UEL:	No data.	
	Autoigr	nition Pt:	No data.			
5.3	Fire Fig	hting Instructions	-		g apparatus pressure-demand ent contact with skin and eyes	
			Section 6. Ac	cidental Relea	ase Measures	
6.1	Protect	ive Precautions,	Avoid raising and bre	eathing dust, and prov	vide adequate ventilation.	
	Protect	ive Equipment and	d As conditions warrar	nt, wear a NIOSH app	roved self-contained breathing	apparatus, or respirator,
	Emerge	ency Procedures:	and appropriate pers	sonal protection (rubb	er boots, safety goggles, and ł	neavy rubber gloves).
6.2	Enviror	nmental	Take steps to avoid	release into the enviro	onment, if safe to do so.	
	Precaut	tions:				
6.3	Method	s and Material Fo	r Contain spill and col	lect, as appropriate.		
	Contair Up:	ment and Cleanir	ngTransfer to a chemic	al waste container for	disposal in accordance with lo	ocal regulations.
			Section 7.	Handling and	d Storage	
7.1	Precaut	tions To Be Taken	Avoid breathing dust	/fume/gas/mist/vapou	s/spray.	
	in Hand	lling:	Avoid prolonged or re	epeated exposure.		
7.2	Precaut	tions To Be Taken	Keep container tightly	y closed.		
	in Stori	ng:	Store in accordance	with information listed	on the product insert.	
		Sec	tion 8. Exposu	ire Controls/P	ersonal Protection	
8.1	Exposu	re Parameters:		-		
CAS	#	Partial Chemical	Name	Britain EH40	France VL	Europe
9732	22-87-7	Troglitazone		No data.	No data.	No data.
						Multi-region format

Cayman

SAFETY DATA SHEET Troglitazone

CAS	#	Partial Chemica	I Name	OSHA TWA		Other Limits	
97322-87-7 Troglitazone						No data.	
8.2		e Controls:					
8.2.1		ering Controls	Use process end	closures, local exhaust ver	ntilation, or other engineering c	controls to control airborr	
0.2.1	-	tion etc.):	•	ommended exposure limits			
8.2.2	-	al protection equ					
0.2.2		tection:	Safety glasses				
	-	ve Gloves:		nical-resistant gloves			
			-	Thear-resistant gioves			
		rotective Clothin	-	d reasinator as conditions	worroot		
	-			d respirator, as conditions	Wallall.		
	(Specify		n De net telke inter	melle.			
	-	-	n Do not take inter	-	auld be aquipped with an aver	wash and a sofety show	
	ce Pract	tices:	Wash thoroughly	-	nould be equipped with an eye	wash and a safety show	
				-			
			No data availabl				
		5	Section 9. P	hysical and Cher	nical Properties		
9.1	Informat	ion on Basic Phy	sical and Chemic	cal Properties			
	Physica	I States:	[] Gas	[] Liquid [X] Soli	id		
	Appeara	ance and Odor:	A crystal	line solid			
	Melting	Point:	No data.				
	Boiling	Point:	No data.				
	Flash Pt	t:	No data.				
	Evapora	ation Rate:	No data.				
	Flamma	bility (solid, gas)	: No data a	available.			
	Explosiv	ve Limits:	LEL: No	data.	UEL: No data.		
	Vapor P	ressure (vs. Air	or mm No data.				
	Hg):						
	Vapor D	ensity (vs. Air =	1): No data.				
	Specific	Gravity (Water =	= 1): No data.				
	Solubili	ty in Water:	No data.				
		ty Notes:	~100 µg/	/ml in 1:6 DMSO:PBS (pH	7.2); ~300 µg/ml in EtOH; ~30	mg/ml in DMSO & DMF;	
	Autoign	-	No data.				
9.2	-	formation					
<u>.</u>		Volatile:	No data.				
		ar Formula & We		NO5S 441.5			
	molecul		0		De e elle l'		
			Section	10. Stability and	Reactivity		
10.1	Reactivi	ity:	No data availabl	e.			
10.2	Stability	/:	Unstable []	Stable [X]			
10.3	Stability	v Note(s):	Stable if stored i	n accordance with informa	ation listed on the product inser	t.	
	Polyme	rization:	Will occur []	Will not occur [X]			
10.4	Conditio	ons To Avoid:	No data availabl	e.			
10.5	Incompa	atibility - Materia	Is strong oxidizing	agents			
	To Avoi	d:					
10.6	Hazardo	bus	carbon dioxide				
	Decomp	position or	carbon monoxid	е			
						Multi-region for	

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SAFETY DATA SHEET Troglitazone

	Byprodu	cts:	nitrogen oxides				SION: 03/29/20	
			sulfur oxides					
			Section 11. Toxicologica	al Informa	ation			
11.1	Informat Toxicolo	ion on gical Effects:	The toxicological effects of this product Troglitazone - Toxicity Data: Oral LD50 Oral LD50 (mouse): >300 mg/kg; Intrap	have not beer (rat): >5,000 r eritoneal LD5	n thoroughly st mg/kg; Intrapei	ritoneal LD50 ((rat): >4 gm/k	
	Chronic Effects:	Toxicological	Troglitazone - Investigated as a tumorig Only select Registry of Toxic Effects of See actual entry in RTECS for complete Troglitazone RTECS Number: XJ58131	Chemical Sub information.	ostances (RTE)	CS) data is pre	esented here.	
CAS	#	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
9732	22-87-7	Troglitazone		n.a.	n.a.	n.a.	n.a.	
			Section 12. Ecological	Informat	ion	·		
12.1	Toxicity:		Avoid release into the environment. Runoff from fire control or dilution water					
12.2	Persiste Degrada		No data available.					
12.3	Bioaccu Potentia		No data available.					
12.4	Mobility	in Soil:	No data available.					
12.5	Results (assessm		No data available.					
12.6	Other ad	verse effects:	No data available.					
			Section 13. Disposal Co	onsiderat	ions			
13.1	Waste D	isposal Method:	Dispose in accordance with local, state,	and federal r	egulations.			
			Section 14. Transport	Informat	ion			
14.1	LAND T	RANSPORT (US I	DOT):					
D	OT Prope OT Hazaro N/NA Num		Not dangerous goods.					
14.1	LAND T	RANSPORT (Euro	opean ADR/RID):					
Δ	DR/RID SI N Number		Not dangerous goods.					
U	azard Clas							
U H		NSPORT (ICAO/I	ATA):					
U H 14.3			ATA): Not dangerous goods.					



		Section 15. Regu	•		
	1	nents and Reauthorization Act			
CAS #		ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
97322-87-7	Troglitazone		No	No	No
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or	r State Lists	
97322-87-7	Troglitazone		CAA HAP,ODC: PROP.65: No	No; CWA NPDES	: No; TSCA: No; CA
Regulatory Inf	ormation	This SDS was prepared in acco	ordance with 29 CFR	R 1910.1200 and R	egulation (EC)
Statement:		No.1272/2008.			
		Section 16. Ot	her Informatio	on	
Revision Date:		05/18/2015			
Additional Info	ormation About	No data available.			
This Product:					
		express or implied, with respec use. Users should make their of their particular purposes.			



		acc	ording to Regulation (EC) No. 190	7/2006 as amended b	y (EC) No. 1272/200	08
		Section 1.	Identification of the Substar	nce/Mixture and of	the Company/U	ndertaking
1.1	Product Product Synony	Name:	10004272 GW 501516 [2-methyl-4-[[[4-methyl-2	-[4-(trifluoromethyl)p	ohenyl]-5-thiazolyl]methyl]thio]phenoxy]-acetic acid
1.2			of the substance or mixture a		-	
		ant identified uses		ot for human or vete	rinary 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		
		ite address:	www.caymanchem.com			
		nation:	Cayman Chemical Comp	bany	+1 (73	4)971-3335
1.4	Emerge	ncy telephone nur	nber:			
	Emerg	gency Contact:	CHEMTREC Within USA CHEMTREC Outside US			00)424-9300 03)527-3887
			Section 2. Ha	zards Identifi	cation	
2.1.1 2.2 2.2.1 2.3	Label E Labelin GHS Si GHS Ha Based o GHS Pr No phra GHS Ro No phra GHS Si Please Advers	lements: ag according to Re- gnal Word: azard Phrases: on evaluation of cur recaution Phrases ases apply. esponse Phrases: ases apply. corage and Dispos refer to Section 7 for e Human Health and Symptoms:	al Phrases: or Storage and Section 13 for D Material may be irritating to t May be harmful by inhalation May cause eye, skin, or resp To the best of our knowledge	[CLP]: cance or mixture is n Disposal information he mucous membra a, ingestion, or skin a iratory system irritat e, the toxicological p	nes and upper rea absorption. ion. roperties have no	spiratory tract. t been thoroughly investigated.
	<i>ш</i> 1	I	ion 3. Composition	1	-	1
CAS RTE		Hazardous Comp REACH Registra	oonents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	GHS Classification
3173 Al910	18-70-0 95500	GW 501516		100.0 %	NA NA	No data available.



			Section 4	4. First Aid M	easures	
4.1	Descrip	tion of First Aid	No data available.			
	Measur	es:				
	In Case	of Inhalation:	Remove to fresh air. I Get immediate medica	0.0	rtificial respiration or give oxyge	en by trained personnel.
	In Case	of Skin Contact:	-		y of water for at least 15 minute occur. Wash clothing before re	
	In Case	of Eye Contact:	-	d flush eyes with plen	ty of water for at least 15 minute	
	In Case	of Ingestion:	-	-	n is conscious. Never give anyt	hing by mouth to an
			unconscious person. medical personnel.	Get medical attention	Do NOT induce vomiting unles	ss directed to do so by
			Section 5.	Fire Fighting	Measures	
5.1	Suitable	e Extinguishing	Use alcohol-resistant	foam, carbon dioxide	, water, or dry chemical spray.	
	Media:	0 0	Use water spray to co			
	Unsuita	ble Extinguishing	A solid water stream	may be inefficient.		
	Media:			,		
5.2	Flamma	ble Properties an	d No data available.			
	Hazards	5:				
	Flash P	t:	No data.			
	Explosi	ve Limits:	LEL: No data.	UEL:	No data.	
	Autoigr	ition Pt:	No data.			
5.3	Fire Fig	hting Instructions	: As in any fire, wear se	elf-contained breathin	g apparatus pressure-demand	(NIOSH approved or
			equivalent), and full p	protective gear to prev	ent contact with skin and eyes.	
			Section 6. Ac	cidental Relea	se Measures	
6.1	Protect	ive Precautions,	Avoid raising and bre	eathing dust, and prov	ide adequate ventilation.	
	Protect	ive Equipment an	d As conditions warran	it, wear a NIOSH app	roved self-contained breathing a	apparatus, or respirator,
	Emerge	ency Procedures:	and appropriate pers	onal protection (rubb	er boots, safety goggles, and he	eavy rubber gloves).
6.2	Environ	mental	Take steps to avoid r	release into the enviro	onment, if safe to do so.	
	Precaut	ions:				
6.3	Method	s and Material Fo	r Contain spill and coll	ect, as appropriate.		
	Contain Up:	ment and Cleanir	ngTransfer to a chemic	al waste container for	disposal in accordance with loo	cal regulations.
			Section 7.	Handling and	d Storage	
7.1	Precaut	ions To Be Taken	Avoid breathing dust/	fume/gas/mist/vapou	s/spray.	
	in Hand	lling:	Avoid prolonged or re	epeated exposure.		
7.2	Precaut	ions To Be Taken	Keep container tightly	/ closed.		
	in Stori	ng:	Store in accordance v	with information listed	on the product insert.	
		Sec	tion 8. Exposu	re Controls/Po	ersonal Protection	
8.1	Exposu	e Parameters:				
CAS	#	Partial Chemical	Name	Britain EH40	France VL	Europe
3173	18-70-0	GW 501516		No data.	No data.	No data.
						Multi-region format



Revision: 01/23/2015 andre Pavisio

CAS	#	Partial Chemica	Name	OSHA TWA		Other Limits
3173	18-70-0	GW 501516		No data.	No data.	No data.
3.2		re Controls:				
8.2.1	-	ering Controls	Use process e	enclosures, local exhaust ve	entilation, or other engineering c	ontrols to control airborn
	-	tion etc.):		ecommended exposure limi		
8.2.2	-	al protection equi	pment:			
		tection:	Safety glasse	S		
	Protect	ive Gloves:	Compatible cl	hemical-resistant gloves		
	Other P	Protective Clothing	-	, i i i i i i i i i i i i i i i i i i i		
	Respira	atory Equipment	NIOSH appro	ved respirator, as conditions	s warrant.	
	-	y Type):		• •		
	Work/H	ygienic/Maintena	n Do not take in	iternally.		
	ce Prac	tices:	Facilities stori	ng or utilizing this material s	should be equipped with an eye	wash and a safety showe
			Wash thoroug	ghly after handling.		
			No data availa	able.		
		S	ection 9.	Physical and Che	mical Properties	
9.1	Informa	tion on Basic Phy		5	I	
		al States:	[]Ga	-	lid	
	Appear	ance and Odor:	A crys	stalline solid		
	Melting	Point:	No da	ta.		
	Boiling	Point:	No da	ta.		
	Flash P	't:	No da	ta.		
	Evapor	ation Rate:	No da	ta.		
	Explosi	ive Limits:	LEL:	No data.	UEL: No data.	
	Vapor F	Pressure (vs. Air o	rmm No da	ta.		
	Hg):					
	Vapor [Density (vs. Air = [/]	I): No da	ta.		
	Specifi	c Gravity (Water =	1): No da	ta.		
		ity in Water:	No da	ta.		
	Solubil	ity Notes:			7.2); ~12 mg/ml in EtOH; ~20 m	ıg/ml in DMSO; ~25
			-	l in DMF;		
	Autoigr	nition Pt:	No da	ta.		
9.2	Other In	formation				
	Percent	t Volatile:	No da	ta.		
	Molecu	lar Formula & We	ight: C21H	18F3NO3S2 453.5		
			Sectio	on 10. Stability and	Reactivity	
10.1	Reactiv	rity:	No data availa	able.		
10.2	Stabilit	y:	Unstable []	Stable [X]		
10.3	Stabilit	y Note(s):	Stable if store	d in accordance with inform	ation listed on the product inser	t.
	Polyme	rization:	Will occur [] Will not occur [X]		
10.4	Conditi	ons To Avoid:	No data availa	able.		
10.5	Incomp	atibility - Material	s No data availa	able.		
	To Avo	id:				
10.6	Hazard	ous	No data availa	able.		
	Decom	position Or				
						Multi-region form



Revision: 01/23/2015 Supersedes Revision: 05/02/2006

Byproducts: Section 11. Toxicological Information 11.1 Information on The toxicological effects of this product have not been thoroughly studied. GW 501516 - Toxicity Data: Oral TDLO (rat): 2184 mg/kg/104W (intermittent); Oral TDLO (mouse): **Toxicological Effects:** 168 mg/kg/4W (continuous); Oral TDLO (rat): 70 mg/kg/7D (intermittent); Oral TDLO (mouse): 140 mg/kg/2W (intermittent); GW 501516 - Investigated as a mutagen, reproductive effector, and tumorigen. Chronic Toxicological Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. Effects: See actual entry in RTECS for complete information. GW 501516 RTECS Number: AI9105500 CAS # ACGIH Hazardous Components (Chemical Name) NTP IARC OSHA 317318-70-0 GW 501516 n.a. n.a. n.a. n.a. Section 12. Ecological Information 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 12.2 Persistence and No data available. **Degradability:** No data available. 12.3 **Bioaccumulative Potential:** 12.4 Mobility in Soil: No data available. 12.5 Results of PBT and vPvB No data available. assessment: Section 13. Disposal Considerations Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. 13.1 Section 14. Transport Information LAND TRANSPORT (US DOT): 14.1 Not dangerous goods. DOT Proper Shipping Name: **DOT Hazard Class: UN/NA Number:** 14.1 LAND TRANSPORT (European ADR/RID): ADR/RID Shipping Name: Not dangerous goods. **UN Number:** Hazard Class: **AIR TRANSPORT (ICAO/IATA):** 14.3 ICAO/IATA Shipping Name: Not dangerous goods. Additional Transport Transport in accordance with local, state, and federal regulations. Information:



			ulatory Inform		
		nents and Reauthorization Ac	-	1	
CAS #		ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
317318-70-0	GW 501516		No	No	No
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA o	r State Lists	
317318-70-0	GW 501516		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No		
Regulatory Info	ormation	This SDS was prepared in acc No.1272/2008.	ordance with 29 CFF	R 1910.1200 and Re	gulation (EC)
		Section 16. Of	ther Information	on	
Revision Date:		01/23/2015		-	
Additional Information About		No data available.			
This Product:					
		currently available to us. Howe express or implied, with respe- use. Users should make their their particular purposes.	ct to such informatior	n, and we assume n	o liability resulting from its