

Revision: 01/23/2016

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	according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008 Section 1. Identification of the Substance/Mixture and of the Company/Undertaking						
	Section 1.	Identification of the Substance/Mixture and of the	ne Company/Undertaking				
.1	Product Code:	18678					
	Product Name:	Diminazene (aceturate)					
	Synonyms:	(E)-4,4'-(triaz-1-ene-1,3-diyl)dibenzimidamide	bis(acetylglycinate);				
.2	Relevant identified uses of the substance or mixture and uses advised against:						
	Relevant identified uses: For research use only, not for human or veterinary use.						
.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				
.4	Emergency telephone nu						
	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	tanco or Mixturo:					
. 1							
	Germ Cell Mutagenicity, Category 2						
2.2	Carcinogenicity, Category 2 Label Elements:						
	GHS Signal Word:	Warning					
	GHS Signal Word: GHS Hazard Phrases:	Warning					
	-	-					
	GHS Hazard Phrases:	ing genetic defects.					
	GHS Hazard Phrases: H341: Suspected of caus	ing genetic defects. ing cancer.					
	GHS Hazard Phrases: H341: Suspected of caus H351: Suspected of caus	ing genetic defects. ing cancer. s:					
	GHS Hazard Phrases: H341: Suspected of caus H351: Suspected of caus GHS Precaution Phrase P201: Obtain special inst	ing genetic defects. ing cancer. s:	ood.				
	GHS Hazard Phrases: H341: Suspected of caus H351: Suspected of caus GHS Precaution Phrase P201: Obtain special inst P202: Do not handle unti	ing genetic defects. ing cancer. :s: ructions before use.					
	GHS Hazard Phrases: H341: Suspected of caus H351: Suspected of caus GHS Precaution Phrase P201: Obtain special inst P202: Do not handle unti	ing genetic defects. ing cancer. s s: ructions before use. I all safety precautions have been read and understo loves/protective clothing/eye protection/face protecti					
	GHS Hazard Phrases: H341: Suspected of cause H351: Suspected of cause GHS Precaution Phrase P201: Obtain special inst P202: Do not handle unti P280: Wear {protective g GHS Response Phrase	ing genetic defects. ing cancer. s s: ructions before use. I all safety precautions have been read and understo loves/protective clothing/eye protection/face protecti					
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2.3	GHS Hazard Phrases: H341: Suspected of cause H351: Suspected of cause GHS Precaution Phrase P201: Obtain special inst P202: Do not handle unti P280: Wear {protective g GHS Response Phrases P308+313: IF exposed of GHS Storage and Dispon Please refer to Section 7	ing genetic defects. ing cancer. s: ructions before use. I all safety precautions have been read and understo loves/protective clothing/eye protection/face protection concerned: Get medical attention/advice. sal Phrases: for Storage and Section 13 for Disposal information. Material may be irritating to the mucous membrane May be harmful by inhalation, ingestion, or skin ab	on}. es and upper respiratory tract. sorption.				
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Multi-region format



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CAS # / Hazardous Com		ardous Com	onents (Chemical Name)/	Concentration	EC No./	GHS Classification			
		lazardous Components (Chemical Name)/ REACH Registration No.		Concentration	EC IND./ EC Index No.				
		nazine aceturat	e	100.0 %	212-999-2 NA	Carcinogen 2: H351 Mutagen 2: H341			
				ļ	ļ				
	Section 4. First Aid Measures								
i .1	Description of First Aid								
	Measures:	Jres:							
	In Case of In	halation:	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel Get immediate medical attention.						
	In Case of S	ase of Skin Contact: Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove conta 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 exar and tested by medical personnel.								
	In Case of In	ase of Ingestion: Wash out mouth with water provided person is conscious. Never give anything by mouth to a unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so medical personnel.							
			Section 5. Fire	Fighting Me	asures				
5.1	Suitable Ext	inguishing	Use alcohol-resistant foam, o	e alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.					
	Media:								
	Unsuitable E Media:	Unsuitable Extinguishing A solid water stream may be inefficient.							
5.2		Properties an	d No data available						
	Flammable Properties andNo data available. Hazards:								
			No data available.						
	Flash Pt:		No data.						
	Explosive Li	mits:	LEL: No data.	UEL: No d	lata.				
	Autoignition	Pt:	No data.	o data.					
5.3	Fire Fighting	Instructions	: As in any fire, wear self-cont equivalent), and full protectiv		-				
			Section 6. Accider	ntal Release	Measures				
6.1	Protective P	-	Avoid raising and breathing	-	-				
	Protective E Emergency I		d As conditions warrant, wear and appropriate personal pr						
6.2	Environmen Precautions		Take steps to avoid release	into the environmer	nt, if safe to do so.				
	Methods and Material For Contain spill and collect, as appropriate.								
5.3	Containment and Cleaning Transfer to a chemical waste container for disposal in accordance with local regulations.								
5.3	Up:								
5.3	Up:								



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7.1	Section 7. Handling and Storage Precautions To Be Taken Avoid breathing dust/fume/gas/mist/vapours/spray.							
	in Handling: Avoid prolonged or repeated exposure.							
7.2		0						
	Precautions To Be Taken Keep container tightly closed. in Storing: Store in accordance with information listed on the product insert.							
		0						
0 4	Evneeu		n 8. Exposu	Ire Controls/Pe	ersonal Protection			
8.1 CAS #	-	e Parameters: Partial Chemical Na	me	Britain EH40	France VL	Europe		
	* 3-54-3	Diminazine aceturate		No data.	No data.	No data.		
		Partial Chemical Na		OSHA TWA		Other Limits		
	# 3-54-3	Diminazine aceturate		No data.	No data.	No data.		
8.2		re Controls:		No data.		No data.		
8.2.1	-		se process enclosu	res local exhaust ven	tilation, or other engineering	controls to control airbo		
0.2.1	-			ended exposure limits				
8.2.2	•	al protection equipm						
			afety glasses					
	-		ompatible 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.							
	ce Practices: Facilities storing or utilizing this material should be equipped with an eyewash and a safety show							
	ce Prac	tices: Fa	acilities storing or ut	tilizing this material sh	ould be equipped with an eye	ewash and a safety sho		
	ce Prac		acilities storing or ut ash thoroughly afte	-	ould be equipped with an eye	ewash and a safety sho		
	ce Prac	W	-	-	ould be equipped with an eye	ewash and a safety sho		
	ce Prac	W	ash thoroughly afte	er handling.	ould be equipped with an eye	ewash and a safety sho		
9.1		W	ash thoroughly afte o data available. tion 9. Phys	er handling.	· · · · ·	ewash and a safety sho		
9.1	Informat	w No Sec	ash thoroughly afte o data available. tion 9. Phys al and Chemical P	er handling.	nical Properties	ewash and a safety sho		
9.1	Informat Physica	W No Sec ion on Basic Physica	ash thoroughly afte o data available. tion 9. Phys al and Chemical P	er handling. sical and Chen roperties] Liquid [X] Solid	nical Properties	ewash and a safety sho		
9.1	Informat Physica	W No Sec ion on Basic Physica Il States: ance and Odor:	ash thoroughly after o data available. tion 9. Phys al and Chemical P [] Gas [er handling. sical and Chen roperties] Liquid [X] Solid	nical Properties	ewash and a safety sho		
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9.1	Informat Physica Appeara Melting Boiling Flash P Evapora Flamma	W No Sec ion on Basic Physica I States: ance and Odor: Point: Point: t: ation Rate: ability (solid, gas):	ash thoroughly after o data available. tion 9. Phys al and Chemical P [] Gas [A crystalline s No data. No data. No data. No data. No data. No data. No data.	er handling. sical and Chen roperties] Liquid [X] Solid solid able.	nical Properties	ewash and a safety sho		
9.1	Informat Physica Appear Melting Boiling Flash P Evapor Flamma Explosi	W No Sec ion on Basic Physica I States: ance and Odor: Point: Point: t: ation Rate: ability (solid, gas): ve Limits:	ash thoroughly after o data available. tion 9. Phys al and Chemical Phys [] Gas [A crystalline s No data. No data. No data. No data. No data. No data. No data. No data. No data. No data.	er handling. sical and Chen roperties] Liquid [X] Solid solid able.	nical Properties	ewash and a safety sho		
9.1	Informat Physica Appeara Melting Boiling Flash P Evapora Flamma Explosi Vapor F	W No Sec ion on Basic Physica I States: ance and Odor: Point: Point: t: ation Rate: ability (solid, gas):	ash thoroughly after o data available. tion 9. Phys al and Chemical Phys [] Gas [A crystalline s No data. No data. No data. No data. No data. No data. No data. No data. No data. No data.	er handling. sical and Chen roperties] Liquid [X] Solid solid able.	nical Properties	ewash and a safety sho		
9.1	Informat Physica Appears Melting Boiling Flash P Evapora Flamma Explosi Vapor F Hg):	W No Sec ion on Basic Physica I States: ance and Odor: Point: Point: t: ation Rate: ability (solid, gas): ve Limits: Pressure (vs. Air or m	ash thoroughly after o data available. tion 9. Phys al and Chemical Phys [] Gas [A crystalline s No data. No data. No data. No data. No data. No data. No data. No data. No data. No data.	er handling. sical and Chen roperties] Liquid [X] Solid solid able.	nical Properties	ewash and a safety sho		
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	Autoigni	tion Pt:	No data.						
9.2	Other Inf	ormation							
	Percent	Volatile:	No data.						
	Molecula	ar Formula & Wei							
			Section 10. Stability and	d Reactiv	vity				
10.1	Reactivit	iy:	No data available.		-				
10.2	Stability	:	Unstable [] Stable [X]						
10.3	Stability	Note(s):	Stable if stored in accordance with inform	nation listed o	n the product	insert.			
	Polymerization: Will occur [] Will not occur [X]								
10.4	Conditio	ns To Avoid:	No data available.						
10.5	0.5 Incompatibility - Materials strong oxidizing agents								
	To Avoid	1:							
10.6	Hazardo	us	carbon dioxide						
	Decomp	osition or	carbon monoxide						
	Byprodu	cts:	nitrogen oxides						
			Section 11. Toxicologica	l Informa	tion				
11.1	Informat	ion on	The toxicological effects of this product have not been thoroughly studied.						
	Toxicolo	gical Effects:	Diminazene (aceturate) - Toxicity Data: Subcutaneous LD50 (rat): 663 mg/kg; Subcutaneous LD50						
			(mouse): 258 mg/kg;						
		Toxicological	Diminazene (aceturate) - Investigated as a mutagen and reproductive effector.						
	Effects:		Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.						
			Diminazene (aceturate) RTECS Number						
CAS	#	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA		
	" 8-54-3	Diminazine acetu		n.a.	n.a.	n.a.	n.a.		
			Section 12. Ecological	Informati	on				
12.1	Toxicity:		Avoid release into the environment.	internati					
	TOXICITY.		Runoff from fire control or dilution water may cause pollution.						
12.2	Persiste	nce and	No data available.						
	Degrada								
12.3	Bioaccu	-	No data available.						
	Potentia								
12.4	Mobility		No data available.						
12.5	-		No data available.						
	assessment: Other adverse effects:								
12.6			No data available.						



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		Section 13. Dispos	al Considera	ations		
3.1 Waste D	isposal Method:	Dispose in accordance with loca	al, state, and federa	l regulations.		
		Section 14. Trans	sport Informa	ation		
14.1 LAND T	RANSPORT (US	DOT):				
DOT Prope	r Shipping Name	Not dangerous goods.				
DOT Hazaro						
UN/NA Nun						
	-	opean ADR/RID):				
UN Number Hazard Clas		Not dangerous goods.				
	ANSPORT (ICAO/	IATA):				
	Shipping Name:	Not dangerous goods.				
Additional Trar	nsport	Transport in accordance with lo	cal, state, and fede	ral regulations.		
Information:						
		Section 15. Regul	atory Inform	ation		
EPA SARA (Su	perfund Amendn	nents and Reauthorization Act of	of 1986) Lists			
CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
908-54-3	Diminazine acetu	irate	No	No	No	
CAS #	Hazardous Com	oonents (Chemical Name) Other US EPA or State		r State Lists		
908-54-3	Diminazine acetu	urate CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			No; TSCA: No; CA	
Regulatory Info Statement:	rmation	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.				
		Section 16. Oth	ner Informatio	on		
Revision Date:		01/23/2016				
Additional Infor	mation About	No data available.				
This Product: Company Polic	y or Disclaimer:	DISCLAIMER: This information		-		
		currently available to us. Howev express or implied, with respect use. Users should make their o their particular purposes.	to such information	, and we assume r	o liability resulting from its	

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