

.1	Product Code:	21263					
	Product Name:	BRL 54443					
	Synonyms:	3-(1-methyl-4-piperidinyl)-1H-indol-5-ol;					
.2	Relevant identified uses of the substance or mixture and uses advised against:						
	Relevant identified uses	: For research use only, not for human or vete	erinary use.				
1.3	Details of the Supplier of the Safety Data Sheet:						
	Company Name:	Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108					
	Web site address:	www.caymanchem.com					
	Information:	Cayman Chemical Company	+1 (73	4)971-3335			
1.4	Emergency telephone nur	nber:					
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (80	0)424-9300			
		CHEMTREC Outside USA and Canada:	+1 (70	3)527-3887			
	Classification of the Subs Label Elements: GHS Signal Word: GHS Hazard Phrases:	Section 2. Hazards Identifi tance or Mixture: None	ication				
2.2	Label Elements: GHS Signal Word: GHS Hazard Phrases: Based on evaluation of cu GHS Precaution Phrases No phrases apply. GHS Response Phrases No phrases apply. GHS Storage and Dispo Please refer to Section 7 Adverse Human Health Effects and Symptoms:	tance or Mixture: None urrently available data this substance or mixture is s: s: sal Phrases: for Storage and Section 13 for Disposal information Material may be irritating to the mucous membra May be harmful by inhalation, ingestion, or skin May cause eye, skin, or respiratory system irrita To the best of our knowledge, the toxicological p	on. anes and upper res absorption. tion. properties have no	spiratory tract. t been thoroughly investigated			
2.2	Label Elements: GHS Signal Word: GHS Hazard Phrases: Based on evaluation of cu GHS Precaution Phrases No phrases apply. GHS Response Phrases No phrases apply. GHS Storage and Dispo Please refer to Section 7 Adverse Human Health Effects and Symptoms:	tance or Mixture: None urrently available data this substance or mixture is s: s: sal Phrases: for Storage and Section 13 for Disposal information Material may be irritating to the mucous membra May be harmful by inhalation, ingestion, or skin May cause eye, skin, or respiratory system irrita To the best of our knowledge, the toxicological p ion 3. Composition/Information	on. anes and upper res absorption. tion. properties have no	spiratory tract. t been thoroughly investigated			
2.1 2.2 2.3 CAS	Label Elements: GHS Signal Word: GHS Hazard Phrases: Based on evaluation of cu GHS Precaution Phrases No phrases apply. GHS Response Phrases No phrases apply. GHS Storage and Dispo Please refer to Section 7 Adverse Human Health Effects and Symptoms:	tance or Mixture: None urrently available data this substance or mixture is s: sal Phrases: for Storage and Section 13 for Disposal information Material may be irritating to the mucous membra May be harmful by inhalation, ingestion, or skin May cause eye, skin, or respiratory system irrita To the best of our knowledge, the toxicological p ion 3. Composition/Information ponents (Chemical Name)/ Concentration	on. anes and upper res absorption. tion. properties have no	spiratory tract. t been thoroughly investigated			

Multi-region format



Revision: 02/19/2017

		Section 4. First Aid Measures
4.1	Description of First Aid	
	Measures:	
	In Case of Inhalation:	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
	In Case of Skin Contact:	Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.
	In Case of Eye Contact:	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.
	In Case of Ingestion:	Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.
		Section 5. Fire Fighting Measures
5.1	Suitable Extinguishing	Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.
	Media:	Use water spray to cool fire-exposed containers.
	Unsuitable Extinguishing Media:	a A solid water stream may be inefficient.
5.2	Flammable Properties an Hazards:	dNo data available.
		No data available.
	Flash Pt:	No data.
	Explosive Limits:	LEL: No data. UEL: No data.
	Autoignition Pt:	No data.
5.3	Fire Fighting Instructions	s: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.
		Section 6. Accidental Release Measures
6.1	Protective Precautions, Protective Equipment an	Avoid raising and breathing dust, and provide adequate ventilation. d As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,
	Emergency Procedures:	and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).
6.2	Environmental Precautions:	Take steps to avoid release into the environment, if safe to do so.
6.3	Methods and Material Fo	r Contain spill and collect, as appropriate.
	Containment and Cleanir	hgTransfer to a chemical waste container for disposal in accordance with local regulations.
	Up:	
		Section 7. Handling and Storage
7.1	Precautions To Be Taker	Avoid breathing dust/fume/gas/mist/vapours/spray.
	in Handling:	Avoid prolonged or repeated exposure.
7.2	Precautions To Be Taker	Neep container tightly closed.
	in Storing:	Store in accordance with information listed on the product insert.
	Sec	tion 8. Exposure Controls/Personal Protection
8.1	Exposure Parameters:	

Multi-region format



 3.2 Exposure Controls: Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne (Ventilation etc.): levels below recommended exposure limits. 3.2.2 Personal protection equipment: Eye Protection: Safety glasses Protective Gloves: Compatible chemical-resistant gloves Other Protective Clothing:Lab coat Respiratory Equipment Work/Hygienic/Maintenan Do not take internally. ce Practices: Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower. Wash thoroughly after handling. No data available. Section 9. Physical and Chemical Properties Physical States: [] Gas [] Liquid [X] Solid Appsical States: [] Gas [] Liquid [X] Solid Appsical States: No data. Heiting Point: No data. Heiting Point: No data. Flammability (solid, gas): No data available. Exposite Links: LE: No data. Yapor Density (vs. Air et 1): No data. Solubility Invare: No data. Decomposition Temperature: No data. Decomposition Temperature: No
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Autoignition Pt:No data.Decomposition Temperature:No data.
Decomposition Temperature: No data.
Viscosity: No data.
0.2 Other Information
Percent Volatile: No data.
Molecular Formula & Weight: C14H18N2O 230.3

Multi-region format



Revision: 02/19/2017

			and Reactiv	vity			
Reactivit	eactivity: No data available.						
2 Stability: Unstable [] Stable [X]							
Stability	Note(s):	Stable if stored in accordance with information listed on the product insert.					
Polymeri	zation:	Will occur [] Will not occur []	X]				
0.4 Conditions To Avoid: No data available.							
Incompa	tibility - Materials	strong oxidizing agents					
To Avoid	:						
Hazardo	us	carbon dioxide					
Decomp	osition or	carbon monoxide					
Byprodu	cts:	nitrogen oxides					
		Section 11. Toxicolo	gical Informa	ation			
Informat	ion on	The toxicological effects of this pro	duct have not beer	thoroughly st	udied.		
Toxicolo	gical Effects:						
#	Hazardous Com	oonents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
77-39-1	BRL 54443		n.a.	n.a.	n.a.	n.a.	
		Section 12 Ecologi	ical Informati	ion	ł		
Toxicity							
ι οχιςιτη:							
Persister	nce and						
-	-	No data available.					
		No data available.					
-							
			Considerati	000			
Masta Di		•					
waste Di	sposal Method:	•		•			
		Section 14. Transp	oort Informat	ion			
LAND TI	RANSPORT (US I	DOT):					
=		Not dangerous goods.					
N/NA Num	iber:						
LAND TI	RANSPORT (Euro	pean ADR/RID):					
DR/RID Shipping Name: Not dangerous goods.							
azard Clas	SS:						
	Stability Polymeri Conditio Incompa To Avoid Hazardou Decompe Byprodu Informati Toxicolo # 77-39-1 Toxicity: Persister Degradal Bioaccur Potential Mobility Results o assessm Other ad Waste Di LAND TH OT Proper OT Hazardou	Stability Note(s): Polymerization: Conditions To Avoid: Incompatibility - Materials To Avoid: Hazardous Decomposition or Byproducts: Information on Toxicological Effects: # Hazardous Comp 77-39-1 BRL 54443 Toxicity: Persistence and Degradability: Bioaccumulative Potential: Mobility in Soil: Results of PBT and vPvB assessment: Other adverse effects: Waste Disposal Method: Other adverse effects: Vaste Disposal Method: OT Proper Shipping Name: OT Hazard Class: N/NA Number: LAND TRANSPORT (Euro	Stability Note(s): Stable if stored in accordance with Polymerization: Will occur [] Will not occur [] Conditions To Avoid: No data available. Incompatibility - Materials strong oxidizing agents To Avoid: Hazardous carbon dioxide Decomposition or carbon monoxide Byproducts: nitrogen oxides Section 11. Toxicoloo Information on The toxicological effects of this protoxicological Effects: # Hazardous Components (Chemical Name) 77-39-1 BRL 54443 Section 12. Ecologgi Toxicity: Avoid release into the environment Runoff from fire control or dilution of Persistence and No data available. Degradability: Bioaccumulative No data available. Potential: Mobility in Soil: No data available. Assessment: Other adverse effects: No data available. Section 13. Disposa Waste Disposal Method: Dispose in accordance with local, stored in accordance with local, stord in accordance with local, stored in accordance with local, sto	Stability Note(s): Stable if stored in accordance with information listed of Polymerization: Will occur [] Will not occur [X] Conditions To Avoid: No data available. Incompatibility - Materials strong oxidizing agents To Avoid: Hazardous carbon dioxide Decomposition or carbon monoxide Byproducts: nitrogen oxides Information on The toxicological effects of this product have not beer Toxicological Effects: n.a. # Hazardous Components (Chemical Name) NTP T7:39-1 BRL 54443 n.a. Section 12. Ecological Information Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause propersistence and No data available. Degradability: Bioaccumulative No data available. Mobility in Soil: No data available. Section 13. Disposal Consideration Maste Disposal Method: Dispose in accordance with local, state, and federal reserverse effects: Not danagerous goods. Other adverse effects: Not danagerous goods. OT Proper Shipping Name: Not dangerous goods. OT Proper Shipping Name: Not dange	Stability Note(s): Stable if stored in accordance with information listed on the product Polymerization: Will occur [] Will not occur [X] Conditions To Avoid: No data available. Incompatibility - Materials strong oxidizing agents To Avoid: Hazardous carbon dioxide Decomposition or carbon monoxide Byproducts: nitrogen oxides Information on The toxicological effects of this product have not been thoroughly st Toxicological Effects: n.a. # Hazardous Components (Chemical Name) NTP Information on The toxicological effects of this product have not been thoroughly st Toxicological Effects: n.a. n.a. # Hazardous Components (Chemical Name) NTP IARC 77-39-1 BRL 54443 n.a. n.a. Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. Persistence and No data available. Degradability: Bioaccumulative No data available. Potential: Mobility in Soil: No data available. Section 13. Disposal Considerations. <	Stability Note(s): Stable if stored in accordance with information listed on the product insert. Polymerization: Will occur [] Will not occur [X] Conditions To Avoid: No data available. Incompatibility - Materials strong oxidizing agents To Avoid: Hazardous carbon dioxide Decomposition or carbon monoxide Byproducts: introgen oxides Byproducts: nitrogen oxides Vill occur [N] Marc ACGIH Toxicological Effects: The toxicological effects of this product have not been thoroughly studied. n.a. n.a. n.a. Toxicological Effects: # Hazardous Components (Chemical Name) NTP IARC ACGIH T7:39-1 BRL 54443 n.a. n.a. n.a. n.a. Section 12. Ecological Information Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. Persistence and No data available. Pegradability: Bioaccumulative No data available. Section 13. Disposal Considerations Bysessment: Other adverse effects: No data available. Section 14. Transport Information	

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Contractor
Cayman

14.3 AIR TRANSPORT (ICAO/IATA): ICAO/IATA Shipping Name: N

ne: Not dangerous goods.

Additional Transport

 $\label{eq:constraint} \ensuremath{\mathsf{Transport}}\xspace{1mm} \ensuremath{\mathsf{in}}\xspace{1mm} \ensuremath{\mathsf{acc}}\xspace{1mm} \ensuremath{\space}\xspace{1mm} \$

Information:

Section 15. Regulatory Information

CAS # Hazardous Com		nponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
57477-39-1	BRL 54443		No	No	No	
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or State Lists			
57477-39-1	BRL 54443		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
Regulatory Inf Statement:	ormation	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.				
		Section 16. Ot	her Information	on		
Revision Date:		02/19/2017				
Additional Information About		No data available.				
This Product:						
Company Policy 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 informatior	rranty of merchanta n, and we assume r	ability or any other warranty no liability resulting from its	