

Revision: 07/07/2018 Supersedes Revision: 11/26/2013

			ording to Regulation (EC) No. 190				
		Section 1.	Identification of the Substan	ce/Mixture and of	the Company/U	ndertaking	
1.1	Produc		11959		J. J. J.	5	
	Produc		AMD 3465 (hydrobromide	e)			
	Synony	ms:		-	thyl)phenyl]methyl	l]-2-pyridinemethanamine,	
			hexahydrobromide;				
.2	Relevar	nt identified uses o	f the substance or mixture a	ind uses advised a	gainst:		
	Relevant identified uses: For research use only, not for human or veterinary use.						
1.3	Details	of the Supplier of	he Safety Data Sheet:				
	Company Name: Cayman Chemical C			any			
			1180 E. Ellsworth Rd.				
	Wab a	ite address:	Ann Arbor, MI 48108				
		nation:	www.caymanchem.com Cayman Chemical Comp	2014	1 (72	4)971-3335	
.4		ncy telephone nur		barry	+1 (73	4)97 1-3333	
1.4	-	gency Contact:	CHEMTREC Within USA	and Canada:	+1 (80	0)424-9300	
		Je	CHEMTREC Outside US			3)527-3887	
				zards Identifi	cation		
2.1	Classifi	cation of the Subs	Section 2. Haz	zards Identifi	cation		
		cation of the Subs lements:	Section 2. Haz	zards Identifi	cation		
	Label E	lements:	Section 2. Haz	zards Identifi	cation	<u>·</u>	
	Label E GHS S	lements: Signal Word:	Section 2. Haz	zards Identifi	cation		
	Label E GHS S GHS	lements: Signal Word: Hazard Phrases:	Section 2. Haz tance or Mixture: None				
	Label E GHS S GHS B Based	lements: Signal Word: Hazard Phrases: I on evaluation of cu	Section 2. Haz tance or Mixture: None				
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	Label E GHS S GHS Based GHS No ph	lements: Signal Word: Hazard Phrases: I on evaluation of cu Precaution Phrase rases apply.	Section 2. Haz tance or Mixture: None urrently available data this subs s:				
	Label E GHS S GHS Based GHS No ph GHS	lements: Signal Word: Hazard Phrases: I on evaluation of cu Precaution Phrase rases apply. Response Phrases	Section 2. Haz tance or Mixture: None urrently available data this subs s:				
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Multi-region format



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		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.
		A solid water stream may be inefficient.
5.0	Media:	dNe date available
5.2	Flammable Properties an Hazards:	
		No data available.
	Flash Pt:	No data.
	Explosive Limits:	LEL: No data. UEL: No data.
	Autoignition Pt:	No data.
5.3	Fire Fighting Instructions	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,	Avoid raising and breathing dust, and provide adequate ventilation.
	Protective Equipment an	d As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,
	Emergency Procedures:	and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).
6.2	Environmental	Take steps to avoid release into the environment, if safe to do so.
	Precautions:	
6.3		r Contain spill and collect, as appropriate.
		hgTransfer to a chemical waste container for disposal in accordance with local regulations.
	Up:	
		Section 7. Handling and Storage
7.1	Precautions To Be Taken	Avoid breathing dust/fume/gas/mist/vapours/spray.
	in Handling:	Avoid prolonged or repeated exposure.
7.2	Precautions To Be Taken	Keep container tightly closed.
	in Storing:	Store in accordance with information listed on the product insert.
	Sec	tion 8. Exposure Controls/Personal Protection
8.1	Exposure Parameters:	

Multi-region format



8.2	Exposure Controls:						
8.2.1	Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne					
	(Ventilation etc.):	levels below recommended exposure limits.					
8.2.2	Personal protection equip	ment:					
	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.					
	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.					
	Se	ection 9. Physical and Chemical Properties					
9.1	Information on Basic Physi	ical and Chemical Properties					
	Physical States:	[]Gas []Liquid [X]Solid					
	Appearance and Odor:	A crystalline solid					
	pH:	No data.					
	Melting Point:	No data.					
	Boiling Point:	No data.					
	Flash Pt:	No data.					
	Evaporation Rate:	No data.					
	Flammability (solid, gas):	No data available.					
	Explosive Limits:	LEL: No data. UEL: No data.					
	Vapor Pressure (vs. Air or	mm No data.					
	Hg):						
	Vapor Density (vs. Air = 1)	: No data.					
	Specific Gravity (Water = 1): No data.					
	Solubility in Water:	No data.					
	Solubility Notes:	~10 mg/ml in PBS (pH 7.2); ~3 mg/ml in DMSO; ~2.5 mg/ml in DMF;					
Octanol/Water Partition No data.							
	Coefficient:						
	Autoignition Pt:	No data.					
	Decomposition Temperatu	ire: No data.					
	Viscosity:	No data.					
9.2	Other Information						
	Percent Volatile:	No data.					
	Molecular Formula & Weig	ht: C24H38N6 • 6HBr 896.1					



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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 docur [] Will not occur [X] 10.4 Conditions To Avoid: No data available. 10.5 Incompatibility - Materials strong oxidizing agents To Avoid: To Avoid: 10.6 Hazardous carbon monoxide Decomposition or carbon monoxide Section 11. Toxicological Information 11.1 Information on Toxicological Effects: AMD 3445 (hydrobromide) - Toxicity Data: Subcutaneous TDLO (mouse): 87.5 mg/kg/SW (continuous); Chronic Toxicological Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented f Effects: See actual entry in RTECS for complete information. AMD 3465 (hydrobromide) n.a. n.a. n.a. 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. No data available. 2.3 <td< th=""><th></th><th>TIMICAL</th><th></th><th></th><th></th><th>Sup</th><th>persedes Revis</th><th>ion: 11/26/201</th></td<>		TIMICAL				Sup	persedes Revis	ion: 11/26/201		
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continuous); Chronic Toxicological Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented P Effects: See actual entry in RTECS for complete information. AMD 3465 (hydrobromide) RTECS Number: UT4671000 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSH 185991-07-5 AMD 3465 (hydrobromide) n.a.				-				/kg/5W		
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Effects: See actual entry in RTECS for complete information. AMD 3465 (hydrobromide) RTECS Number: UT4671000 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSH 185991-07-5 AMD 3465 (hydrobromide) n.a. n.a. n.a. 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. 12.2 Persistence and No data available. Degradability: No data available. Potential: Potential: Section 13. Disposal Considerations		Chronic	Toxicological	Only select Registry of Toxic Effects of Ch	emical Substa	ances (RTEC	S) data is pre	sented here.		
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185991-07-5 AMD 3465 (hydrobromide) n.a. n.a. 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: 12.3 Bioaccumulative No data available. Potential: 12.4 Mobility in Soil: No data available. Section 13. Disposal Considerations				AMD 3465 (hydrobromide) RTECS Number	er: UT4671000)				
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12.6 Other adverse effects: No data available. Section 13. Disposal Considerations	12.5			NU UATA AVAIIADIE.						
Section 13. Disposal Considerations	10 E			No data available						
·	12.0	other ac	iverse effects:							
13.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.				•						
	13.1	Waste D	isposal Method:	Dispose in accordance with local, state, an	d federal regu	ulations.				
							N	Iulti-region for		



Revision: 07/07/2018 Supersedes Revision: 11/26/2013

Section 14. Transport Information LAND TRANSPORT (US DOT): 14.1 DOT Proper Shipping Name: Not dangerous goods. DOT Hazard Class: UN/NA Number: LAND TRANSPORT (European ADR/RID): 14.1 ADR/RID Shipping Name: Not dangerous goods. **UN Number:** Hazard Class: 14.3 AIR TRANSPORT (ICAO/IATA): ICAO/IATA Shipping Name: Not dangerous goods. Additional Transport Transport in accordance with local, state, and federal regulations. Information: 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) AMD 3465 (hydrobromide) 185991-07-5 No No No Other US EPA or State Lists CAS # Hazardous Components (Chemical Name) CAA HAP, ODC: No; CWA NPDES: No; TSCA: No; CA 185991-07-5 AMD 3465 (hydrobromide) PROP.65: No This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) **Regulatory Information** No.1272/2008. Statement: Section 16. Other Information 07/07/2018 Revision Date: Additional Information About No data available. This Product: Company Policy or Disclaimer: DISCLAIMER: This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

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