

Revision: 01/25/2020

		o Regulation (EC) No. 1907/2006 as amended by (EC) No. 2015/8	
	Section 1. Ide	entification of the Substance/Mixture and of	the Company/Undertaking
.1	Product Code:	29418	
	Product Name:	Dimaprit (hydrochloride)	
	Synonyms:	carbamimidothioic acid, 3-(dimethylamino)pro	opyl ester, dihydrochloride;
.2	Relevant identified uses of t	he substance or mixture and uses advised a	gainst:
	Relevant identified uses:	For research use only, not for human or veter	inary use.
.3	Details of the Supplier of the	e 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 numb	per:	
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300
		CHEMTREC Outside USA and Canada:	+1 (703)527-3887
		Section 2. Hazards Identific	cation
.1	Classification of the Substa	nce or Mixture:	
	Skin Corrosion/Irritation, (Category 2	
	Serious Eye Damage/Eye	Irritation, Category 2	
	Specific Target Organ Tox	cicity (single exposure), Category 3	
.2	Label Elements:		
	$\mathbf{\nabla}$		
	GHS Signal Word:	Warning	
	GHS Hazard Phrases:	-	
	GHS Hazard Phrases: H315: Causes skin irritation		
	GHS Hazard Phrases: H315: Causes skin irritation H319: Causes serious eye i	rritation.	
	GHS Hazard Phrases: H315: Causes skin irritation H319: Causes serious eye i H335: May cause respirator	rritation. y irritation.	
	GHS Hazard Phrases: H315: Causes skin irritation H319: Causes serious eye i H335: May cause respirator GHS Precautionary Phrase	rritation. y irritation. es:	
	GHS Hazard Phrases: H315: Causes skin irritation H319: Causes serious eye in H335: May cause respirator GHS Precautionary Phrase P261: Avoid breathing {dust	rritation. y irritation. es: /fume/gas/mist/vapors/spray}.	
	GHS Hazard Phrases: H315: Causes skin irritation H319: Causes serious eye in H335: May cause respirator GHS Precautionary Phrase P261: Avoid breathing {dust P264: Wash {hands} thorous	rritation. y irritation. es: /fume/gas/mist/vapors/spray}. ghly after handling.	tion}.
	GHS Hazard Phrases: H315: Causes skin irritation H319: Causes serious eye i H335: May cause respirator GHS Precautionary Phrase P261: Avoid breathing {dust P264: Wash {hands} thoroug P280: Wear {protective glov	rritation. y irritation. es: /fume/gas/mist/vapors/spray}.	tion}.
	GHS Hazard Phrases: H315: Causes skin irritation H319: Causes serious eye in H335: May cause respirator GHS Precautionary Phrase P261: Avoid breathing {dust P264: Wash {hands} thoroug P280: Wear {protective glow GHS Response Phrases:	rritation. y irritation. es: /fume/gas/mist/vapors/spray}. ghly after handling.	tion}.
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	GHS Hazard Phrases: H315: Causes skin irritation H319: Causes serious eye ii H335: May cause respirator GHS Precautionary Phrase P261: Avoid breathing {dust P264: Wash {hands} thoroug P280: Wear {protective glov GHS Response Phrases: P302+352: IF ON SKIN: Wa P304+340: IF INHALED: Response	rritation. y irritation. es: /fume/gas/mist/vapors/spray}. ghly after handling. es/protective clothing/eye protection/face protec ash with plenty of soap and water. emove victim to fresh air and keep at rest in a po	sition comfortable for breathing.
	GHS Hazard Phrases: H315: Causes skin irritation H319: Causes serious eye in H335: May cause respirator GHS Precautionary Phrase P261: Avoid breathing {dust P264: Wash {hands} thoroug P280: Wear {protective glow GHS Response Phrases: P302+352: IF ON SKIN: Wa P304+340: IF INHALED: Res P305+351+338: IF IN EYES to do. Continue rinsing. P312: Call a POISON CENT	rritation. y irritation. es: /fume/gas/mist/vapors/spray}. ghly after handling. es/protective clothing/eye protection/face protec ash with plenty of soap and water. emove victim to fresh air and keep at rest in a po S: Rinse cautiously with water for several minutes FER or doctor/physician if you feel unwell.	sition comfortable for breathing.
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SAFETY DATA SHEET **Dimaprit (hydrochloride)**

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	UFI:							
2.3	Advers	se Human Health	Causes serious eye irritation					
	Effects	and Symptoms:	Causes skin irritation.					
			Material may be irritating to t	he mucous membrai	nes and upper rea	spiratory tract.		
			May be harmful by inhalation	i, ingestion, or skin a	bsorption.			
			May cause respiratory syster	n irritation.				
			To the best of our knowledge	e, the toxicological pr	operties have no	t been thoroughly investigated.		
		Sec	tion 3. Composition	/Information	on Ingredie	nts		
	AS # / Hazardous Comp RTECS # REACH Registra		oonents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	GHS Classification		
2325	56-33-9 Dimaprit (hydrochlo		ride)	100.0 %	636-597-5	Skin Corr. 2: H315		
UM38	50000				NA	Eye Damage 2A: H319		
						STOT (SE) 3: H335 H336		
			Section 4. Fi	rst Aid Meası	ures			
4.1	Descri Measu	ption of First Aid						
			Domovo to frach air. If not hr	acthing give artificia	I readiration or ai	ve everen by trained personnel		
	in Case	e of Inhalation:			r respiration or gi	ve oxygen by trained personnel		
	In Cas	e of Skin Contact:		Get immediate medical attention.				
	III Casi	e of Skill Contact.	-	Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminate clothing. Get medical attention if symptoms occur. Wash clothing before reuse.				
	In Cas	e of Eye Contact:	-		-	5 minutes. Have eyes examine		
	in ous		and tested by medical persor	• • •				
					nscious. Never a	ive anything by mouth to an		
	-				-	ng unless directed to do so by		
			medical personnel.					
			Section 5. Fire	Fighting Mea	asures			
5.1	Suitab	le Extinguishing	Use alcohol-resistant foam, o	carbon dioxide, wate	r, or dry chemical	spray.		
	Media:		Use water spray to cool fire-exposed containers.					
	Unsuit	able Extinguishing	A solid water stream may be	inefficient.				
	Media:							
5.2	Flamm Hazard	-	dNo data available.					
			No data available.					
	Flash I	Pt:	No data.					
	Explos	ive Limits:	LEL: No data.	UEL: No da	ata.			
	Autoig	nition Pt:	No data.					
5.3	Fire Fig	ghting Instruction	s: As in any fire, wear self-cont	ained breathing appa	aratus pressure-d	lemand (NIOSH approved or		
	equivalent), and full protective gear to prevent contact with skin and eyes.					nd eyes.		

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		Section 6. Accidental Release Measures
6.1	Protective Precautions,	Avoid raising and breathing dust, and provide adequate ventilation.
	Protective Equipment and	As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,
	Emergency Procedures:	and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).
6.2	Environmental	Take steps to avoid release into the environment, if safe to do so.
	Precautions:	
6.3	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.
	in Storing:	Store in accordance with information listed on the product insert.
	Secti	on 8. Exposure Controls/Personal Protection
8.1	Exposure Parameters:	
8.2	Exposure Controls:	
8.2.1	Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne
	(Ventilation etc.):	levels below recommended exposure limits.
8.2.2	Personal protection equip	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.
		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 Phys	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.
	vapor Density (vs. All = 1)	
		Multi-region format



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	Specific	Gravity (Water =	1): No data.					
	Solubilit	y in Water:	No data.					
	Solubilit	y Notes:	~0.25 mg/ml in a 1:3 solution of DI	MSO:PBS (pH	7.2); ~30 mg/	ml in DMSO	& DMF;	
	Octanol/	Water Partition	No data.					
	Coefficie	ent:						
	Autoigni	tion Pt:	No data.					
	-	osition Temperat	ure: No data.					
	Viscosity		No data.					
9.2	Other Inf							
	Percent		No data.					
		ar Formula & Weig						
				<u> </u>				
			Section 10. Stability and	Reactivit	y			
10.1	Reactivit	y:	No data available.					
10.2	Stability	:	Unstable [] Stable [X]					
10.3	Stability	Note(s):	Stable if stored in accordance with information	ation listed on	the product in	sert.		
	Polymer	ization:	Will occur [] Will not occur [X]					
10.4	Conditio	ns To Avoid:	No data available.					
10.5	Incompa	tibility - Materials	s strong oxidizing agents					
	To Avoid	l:						
10.6	Hazardo	us	carbon dioxide					
	Decomp	osition or	carbon monoxide					
	Byprodu	cts:	hydrogen chloride gas					
			nitrogen oxides					
			sulfur oxides					
			Section 11. Toxicological	Informati	on			
11.1	Informat	ion on	The toxicological effects of this product ha	e toxicological effects of this product have not been thoroughly studied.				
	Toxicolo	gical Effects:	Dimaprit (hydrochloride) - Toxicity Data: Ir	ntraperitoneal I	_D50 (mouse)	: 300 mg/kg;	Subcutaneous	
			TDLO (rat): 6 mg/kg;					
	Chronic	Toxicological	Dimaprit (hydrochloride) - Investigated as a drug.					
	Effects:		Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here.					
			See actual entry in RTECS for complete in					
			Dimaprit (hydrochloride) RTECS Number:	UM3850000				
CAS	#	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
2325	56-33-9	Dimaprit (hydroch	nloride)	n.a.	n.a.	n.a.	n.a.	
			Section 12. Ecological I	nformatio	n	•		
12.1	Toxicity:		Avoid release into the environment.					
			Runoff from fire control or dilution water m	ay cause pollu	tion.			
12.2	Persiste	nce and	No data available.					
	Degrada	bility:						
12.3	Bioaccu	mulative	No data available.					
	Potentia							
12.4	Mobility		No data available.					
	•							
12.5			No data available.					
	assessm							
12.6	Other ad	verse effects:	No data available.					
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		Section 13. Dispos	al Considerat	ions		
13.1 Waste D	isposal Method:	Dispose in accordance with loca	II, state, and federal r	egulations.		
		Section 14. Trans	sport Informat	ion		
14.1 LAND TI	RANSPORT (US I	DOT):				
DOT Proper	r Shipping Name	Not dangerous goods.				
DOT Hazaro						
UN/NA Num		/				
	-	opean ADR/RID):				
UN Number	hipping Name:	Not dangerous goods.				
Hazard Clas						
14.3 AIR TRA	NSPORT (ICAO/	IATA):				
	Shipping Name:	Not dangerous goods.				
UN Number			Packing Grou	ıp:		
Hazard Clas						
Additional Trar	nsport	Transport in accordance with lo	cal, state, and federa	l regulations.		
information:		Ocation 45 Decul		Ч. а. на		
		Section 15. Regul		lion		
	i	nents and Reauthorization Act of	I			
CAS #		ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
23256-33-9	Dimaprit (hydroc		No	No	No	
CAS # Hazardous Components (Chemical Name)			Other US EPA or State Lists			
					TOOM NUL ON	
23256-33-9	Dimaprit (hydroc	hloride)	CAA HAP,ODC: N PROP.65: No	o; CWA NPDES: No	; TSCA: No; CA	
		This SDS was prepared in acco	PROP.65: No			
23256-33-9			PROP.65: No			
23256-33-9 Regulatory Info		This SDS was prepared in acco	PROP.65: No	1910.1200 and Regu		
23256-33-9 Regulatory Info		This SDS was prepared in acco No.1272/2008.	PROP.65: No	1910.1200 and Regu		
23256-33-9 Regulatory Info Statement:	ormation	This SDS was prepared in acco No.1272/2008. Section 16. Oth	PROP.65: No	1910.1200 and Regu		
23256-33-9 Regulatory Info Statement: Revision Date: Additional Infor This Product:	rmation	This SDS was prepared in acco No.1272/2008. Section 16. Oth 01/25/2020 No data available.	PROP.65: No	1910.1200 and Regu ר	lation (EC)	
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