

# SAFETY DATA SHEET Apafant

Revision: 06/18/2019 Supersedes Revision: 02/14/2014

	according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2015/830 and US OSHA HCS 2015						
	Section 1.	Identification of the Substance/Mixture and of the	e Company/Undertaking				
1.1	Product Code:	14532					
	Product Name:	Apafant					
	Synonyms:	3-[4-(2-chlorophenyl)-9-methyl-6H-thieno[3,2-f	[1,2,4]triazolo[4,3-a][1,4]diazepin-2-yl]-1-(4-mo				
		holinyl)-1-propanone; WEB 2086;					
.2	Relevant identified uses of the substance or mixture and uses advised against:						
	Relevant identified uses	For research use only, not for human or vetering	nary 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	mber:					
	Emergency 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	Classification of the Subs	stance or Mixture:					
	Toxic To Reproduction	Calegory 2					
2.2	Label Elements:						
	GHS Signal Word:	Warning					
	GHS Hazard Phrases:						
	·	aging fertility or the unborn child.					
	GHS Precaution Phrase						
	P201: Obtain special instructions before use.						
	P202: Do not handle until all safety precautions have been read and understood.						
	P280: Wear {protective gloves/protective clothing/eye protection/face protection}.						
	GHS Response Phrases:						
	•						
	•	concerned: Get medical attention/advice.					
	•	concerned: Get medical attention/advice.					
	P308+313: IF exposed o GHS Storage and Dispo	concerned: Get medical attention/advice.					
2.3	P308+313: IF exposed o GHS Storage and Dispo	r concerned: Get medical attention/advice.					
2.3	P308+313: IF exposed of GHS Storage and Dispo Please refer to Section 7	<sup>r</sup> concerned: Get medical attention/advice. <b>sal Phrases:</b> for Storage and Section 13 for Disposal information.	es and upper respiratory tract.				
2.3	P308+313: IF exposed of GHS Storage and Dispo Please refer to Section 7 Adverse Human Health	r concerned: Get medical attention/advice. <b>Isal Phrases:</b> for Storage and Section 13 for Disposal information. Material may be irritating to the mucous membrane	es and upper respiratory tract. sorption.				
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# SAFETY DATA SHEET Apafant

		Seci	tion 3. Composition	mormation	on ingreale	1115		
CAS RTE	-	Hazardous Comp REACH Registra	oonents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	GHS Classification		
105219-56-5 QE0479700		Apafant		100.0 %	692-443-7 NA	Toxic Repro. 2: H361		
			Section 4. Fi	rst Aid Measu	ures			
4.1	Descrip	tion of First Aid						
	Measur	es:						
	In Case	of Inhalation:	Remove to fresh air. If not bre	eathing, give artificia	l respiration or gi	ve oxygen by trained personnel.		
			Get immediate medical attent	tion.				
	In Case	of Skin Contact:	-			5 minutes. Remove contaminated		
			clothing. Get medical attentio		-			
	In Case	of Eye Contact:			ater for at least 1	5 minutes. Have eyes examined		
			and tested by medical person					
	In Case	of Ingestion:	Wash out mouth with water p	•	•	ng unless directed to do so by		
			medical personnel.			ing unless directed to do so by		
			Section 5. Fire					
5.1		e Extinguishing	Use alcohol-resistant foam, o		r, or dry chemical	spray.		
	Media:							
		Unsuitable Extinguishing A solid water stream may be inefficient.						
5.0	Media:	h la Deservation au	. IN a data available					
5.2	Hazard	Flammable Properties and No data available.						
	Παζαιτι	5.	No data available.					
	Flash P	<b>+</b> -	No data.					
		ve Limits:	LEL: No data.	UEL: No da	ata			
			No data.					
5.3	-	-						
5.5	Therig	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.						
			•	•				
			Section 6. Accider					
6.1		ive Precautions,	Avoid raising and breathing	•	•			
						eathing apparatus, or respirator,		
	-	ency Procedures:	and appropriate personal pro					
6.2	Enviror Precaut		Take steps to avoid release	into the environmen	i, il sale to do so.			
6.3			r Contain spill and collect on	annronriate				
0.5		ods and Material For Contain spill and collect, as appropriate. ainment and Cleaning Transfer to a chemical waste container for disposal in accordance with local regulations.						
	Up:							
<b></b>	Ľ							
			Section 7. Har					
7.1			Avoid breathing dust/fume/ga		у.			
	in Hand		Avoid prolonged or repeated	-				
7.2			Keep container tightly closed		n n n n n			
	in Stori	ng:	Store in accordance with info	nmation listed on the	e product insert.			
						Multi-region forma		



**Exposure Controls:** 

(Ventilation etc.):

Viscosity:

8.1

8.2

8.2.1

## SAFETY DATA SHEET Apafant

Page: 3 of 5

Supersedes Revision: 02/14/2014 Section 8. Exposure Controls/Personal Protection **Exposure Parameters: Engineering Controls** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

	(Vontilation otol).						
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.						
	ce Practices:	Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower					
		Wash thoroughly after handling.					
	I	No data available.					
	Se	ection 9. Physical and Chemical Properties					
9.1	Information on Basic Physi	cal 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:	~0.25 mg/ml in PBS (pH 7.2); ~5 mg/ml in EtOH; ~16.6 mg/ml in DMSO; ~14.3 mg/ml in					
		DMF;					
	Octanol/Water Partition	No data.					
	Coefficient:						
	Autoignition Pt:	No data.					
	Decomposition Temperatu	re: No data.					
	Min a solite se	Ne dete					

No data.



# SAFETY DATA SHEET Apafant

Revision: 06/18/2019 Supersedes Revision: 02/14/2014

9.2	Other Info	rmation						
	Percent V	olatile:	No data.					
	Molecular	Formula & Weig	ght: C22H22CIN5O2S 456	.0				
			Section 10. Stability	and Reactiv	ity			
10.1	Reactivity	:	No data available.		<u> </u>			
10.2	Stability:		Unstable [ ] Stable [ X ]					
10.3	Stability N	lote(s):	Stable if stored in accordance with	information listed o	n the product	insert.		
	Polymeriz	ation:	Will occur [ ] Will not occur [ >	( ]				
10.4	-		No data available.					
10.5	Incompati	bility - Materials	strong oxidizing agents					
	To Avoid:							
10.6	Hazardou	S	carbon dioxide					
	Decompo	sition or	carbon monoxide					
	Byproduc	ts:	hydrogen chloride gas					
			nitrogen oxides					
			sulfur oxides					
			Section 11. Toxicolog	gical Informa	tion			
11.1	Informatio	on on	The toxicological effects of this pro-	duct have not been	thoroughly st	udied.		
	Toxicolog	ical Effects:	Apafant - Toxicity Data: Oral LD50	(mouse): 3 gm/kg; 3	Subcutaneous	TDLO (rat): 2	0 mg/kg; Oral	
			TDLO (rat): 36 gm/kg;					
	Chronic T	oxicological	Apafant - Investigated as a drug an	-				
	Effects:		Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.					
	i		Apafant RTECS Number: QE04797				- I	
CAS			ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
1052	219-56-5	Apafant		n.a.	n.a.	n.a.	n.a.	
			Section 12. Ecologi	cal Informati	on			
12.1	Toxicity:		Avoid release into the environment					
			Runoff from fire control or dilution v	vater may cause po	llution.			
12.2	Persisten	ce and	No data available.					
	Degradab	ility:						
12.3	Bioaccum	ulative	No data available.					
	Potential:							
12.4	Mobility i	n Soil:	No data available.					
12.5	Results o	f PBT and vPvB	No data available.					
	assessment:							
12.6	Other adv	erse effects:	No data available.					



# SAFETY DATA SHEET Apafant

Page: 5 of 5

Multi-region format

Revision: 06/18/2019 Supersedes Revision: 02/14/2014

		Section 13. Dispos	sal Considerat	•	ies Revision. 02/14/2014	
13.1 Waste D	isposal Method:	Dispose in accordance with loca				
		Section 14. Tran	sport Informat	tion		
14.1 LAND T	RANSPORT (US	DOT):				
DOT Prope DOT Hazar UN/NA Nur		Not dangerous goods.				
14.1 LAND T	RANSPORT (Eur	opean ADR/RID):				
	hipping Name:	Not dangerous goods.				
UN Numbe	r:					
Hazard Cla	SS:					
14.3 AIR TR	ANSPORT (ICAO/	IATA):				
ICAO/IATA	Shipping Name:	Not dangerous goods.				
Additional Tra	nsport	Transport in accordance with lo	ocal, state, and federa	l regulations.		
Information:						
		Section 15. Regu	latory Informa	tion		
EPA SARA (Su	perfund Amendm	nents and Reauthorization Act	of 1986) Lists			
CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
105219-56-5	Apafant		No	No	No	
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or State Lists			
105219-56-5	Apafant		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
Regulatory Info	ormation	This SDS was prepared in acco	ordance with 29 CFR	1910.1200 and Regul	ation (EC)	
Statement:		No.1272/2008.				
		Section 16. Oth	ner Informatio	n		
Revision Date:		06/18/2019				
Additional Info	rmation About	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.				