

Version 1.6	Revision Date: 28.09.2020		DS Number: 364253-00007	Date of last issue: 13.09.2019 Date of first issue: 11.01.2018
SECTION	1. PRODUCT AND CO	OMP	ANY IDENTIFICAT	ION
Produ	uct name	:	Felbamate Suspe	ension Formulation
Manu	facturer or supplier's	det	ails	
Comp Addre	pany name of supplier ess	:		eptiembre No. 301 nilco Mexico 16090
Telep	hone	:	52 55 57284444	
Emer	gency telephone	:	215-631-6999	
E-ma	il address	:	EHSSTEWARD	organon.com
Reco	mmended use of the	cher	nical and restricti	ons on use
Reco	mmended use	:	Pharmaceutical	

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Glycerine	56-81-5	>= 10 -< 20
2-phenylpropane-1,3-diyl dicarbamate	25451-15-4	>= 10 -< 20
Cellulose	9004-34-6	>= 1 -< 5

SECTION 4. FIRST AID MEASURES

If inhaled	:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact	:	Wash with water and soap as a precaution. Get medical attention if symptoms occur.
In case of eye contact	:	Flush eyes with water as a precaution.
If an allowed		Get medical attention if irritation develops and persists.
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	:	None known.
Protection of first-aiders Notes to physician	:	No special precautions are necessary for first aid responders. Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES



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Suitable extinguishing media			:	: Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical					
	Insuitable extii nedia	nguishing	:	None known.					
S	Specific hazard	ls during fire	:	Exposure to comb	oustion products may be a hazard to health.				
	lazardous con cts	nbustion prod-	:	Carbon oxides Nitrogen oxides (N	NOx)				
	Specific extingu ds	uishing meth-	:	cumstances and t Use water spray t	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do				
	Special protect or fire-fighters	ive equipment	:	Evacuate area. Wear self-contain necessary. Use personal prot	ed breathing apparatus for firefighting if ective equipment.				
SECT	ION 6. ACCID	ENTAL RELE	AS	EMEASURES					
ti	Personal preca ve equipment ency procedu		:		ing advice (see section 7) and personal ent recommendations (see section 8).				
E	nvironmental	precautions	:	Prevent spreading oil barriers). Retain and dispos	akage or spillage if safe to do so. g over a wide area (e.g., by containment or se of contaminated wash water. should be advised if significant spillages				
	lethods and montainment an	naterials for nd cleaning up	:	For large spills, pr containment to ke can be pumped, s container. Clean up remainir absorbent. Local or national r disposal of this ma employed in the c determine which r Sections 13 and 1	absorbent material. Tovide diking or other appropriate ep material from spreading. If diked material store recovered material in appropriate ing materials from spill with suitable regulations may apply to releases and aterial, as well as those materials and items leanup of releases. You will need to egulations are applicable. 5 of this SDS provide information regarding tional requirements.				

SECTION 7. HANDLING AND STORAGE

Technical measures	:	See Engineering measures under EXPOSURE
		CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	Use only with adequate ventilation.



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Advic	e on safe handling	practice, base assessment	ordance with good industrial hygiene and safety d on the results of the workplace exposure prevent spills, waste and minimize release to the
Hygie	ene measures	flushing system place. When using d Wash contam The effective of engineering of appropriate de industrial hygi	chemical is likely during typical use, provide eye ms and safety showers close to the working o not eat, drink or smoke. inated clothing before re-use. operation of a facility should include review of ontrols, proper personal protective equipment, egowning and decontamination procedures, ene monitoring, medical surveillance and the strative controls.
Cond	itions for safe storage		rly labeled containers. dance with the particular national regulations.
Mater	rials to avoid	: Do not store v Strong oxidizi	vith the following product types:

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

•	-			
Components	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	
		exposure)	concentration	
Glycerine	56-81-5	VLE-PPT	10 mg/m ³	NOM-010-
		(Mist)	-	STPS-2014
2-phenylpropane-1,3-diyl di-	25451-15-4	TWA	400 µg/m3 (OEB	Internal
carbamate			2)	
Cellulose	9004-34-6	VLE-PPT	10 mg/m ³	NOM-010-
			-	STPS-2014
		TWA	10 mg/m ³	ACGIH

Ingredients with workplace control parameters

Engineering measures	:	Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., drip- less quick connections). All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Laboratory operations do not require special containment.
Personal protective equipm	ent	
Respiratory protection	:	If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.
Filter type	:	Combined particulates and organic vapor type
Hand protection Material	:	Chemical-resistant gloves
Eye protection	:	Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles.



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	Skin ar	nd body protection			or other full face protection if there is a contact to the face with dusts, mists, or aboratory coat.
SEC	CTION 9	. PHYSICAL AND CH	ЕМІС		3
	Appear	ance	:	suspension	
	Color		:	Pinkish beige	
	Odor		:	No data available	
	Odor T	hreshold	:	No data available	
	рН		:	No data available	9
	Melting	point/freezing point	:	No data available	9
	Initial b range	oiling point and boiling	:	No data available	
	Flash p	ooint	:	No data available	9
	Evapor	ation rate	:	No data available	9
	Flamma	ability (solid, gas)	:	Not applicable	
	Flamma	ability (liquids)	:	No data available	
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
	Vapor p	oressure	:	No data available)
	Relative	e vapor density	:	No data available	9
	Relative	e density	:	No data available	
	Density	/	:	No data available	
	Solubili Wat	ty(ies) er solubility	:	No data available	9
	Partitio octanol	n coefficient: n-	:	Not applicable	
		nition temperature	:	No data available)
	Decom	position temperature	:	No data available)
	Viscosi Visc	ty cosity, kinematic	:	No data available	



rsion	Revision Date: 28.09.2020		S Number: 64253-00007	Date of last issue: 13.09.2019 Date of first issue: 11.01.2018
Explos	ive properties	:	Not explosive	
Oxidizi	ng properties	:	The substance of	or mixture is not classified as oxidizing.
Dorticl	e size	:	Not applicable	
Fallicit				
	0. STABILITY AND RE	EAC	ΤΙVITY	
		EAC [.]		a reactivity hazard.
CTION 1		EAC [.]		
CTION 1 Reactin Chemi	vity	:	Not classified as Stable under no	
CTION 1 Reactir Chemi Possib tions	vity cal stability	:	Not classified as Stable under no	rmal conditions.
CTION 1 Reactin Chemi Possib tions Condit	vity cal stability ility of hazardous reac-	:	Not classified as Stable under no Can react with s None known.	rmal conditions. trong oxidizing agents.

Inhalation Skin contact Ingestion Eye contact

Acute toxicity

Not classified based on available information.

Components:

Glycerine:

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg
Acute dermal toxicity	:	LD50 (Guinea pig): > 5,000 mg/kg
2-phenylpropane-1,3-diyl die	carl	pamate:
Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg
		LD50 (Mouse): > 5,000 mg/kg
Cellulose:		
Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 5.8 mg/l Exposure time: 4 h Test atmosphere: dust/mist
Acute dermal toxicity	:	LD50 (Rabbit): > 2,000 mg/kg



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Not cl	corrosion/irritation lassified based on ava	ailable	information.	
	oonents:			
Glyce Speci			Rabbit	
Resul		:	No skin irritation	
	us eye damage/eye lassified based on ava			
Com	oonents:			
Glyce	erine:			
Speci Resul		:	Rabbit No eye irritation	
Resp	iratory or skin sensi	tizatio	n	
-	sensitization lassified based on ava	ailable	information.	
-	iratory sensitization lassified based on ava		information.	
	cell mutagenicity lassified based on ava	ailable	information.	
Com	oonents:			
Glyce	erine:			
Geno	toxicity in vitro	:	Test Type: In vitre Result: negative	o mammalian cell gene mutation test
			Test Type: Bacte Result: negative	rial reverse mutation assay (AMES)
			Test Type: Chror Result: negative	nosome aberration test in vitro
				damage and repair, unscheduled DNA syn- lian cells (in vitro)
2-phe	enylpropane-1,3-diyl	dicarl	pamate:	
Geno	toxicity in vitro	:	Test Type: Bacte Result: negative	rial reverse mutation assay (AMES)
			Test Type: Chror Result: negative	nosomal aberration
Cellu	lose:			
Geno	toxicity in vitro	:	Test Type: Bacte	rial reverse mutation assay (AMES)



in vivo city I based on availa 5: Coute e pane-1,3-diyl di Coute e	able : :	Result: negative Test Type: Mam cytogenetic assa Species: Mouse Application Rou Result: negative information.	ro mammalian cell gene mutation test malian erythrocyte micronucleus test (in vivo ay) te: Ingestion
city I based on availa <u>5:</u> Coute e pane-1,3-diyl di Coute e	able : : : :	Result: negative Test Type: Mam cytogenetic assa Species: Mouse Application Rou Result: negative information. Rat Ingestion 2 Years negative bamate: Mouse Oral	malian erythrocyte micronucleus test (in vivo ay) te: Ingestion
city I based on availa <u>5:</u> Coute e pane-1,3-diyl di Coute e	able : : : :	cytogenetic assa Species: Mouse Application Rou Result: negative information. Rat Ingestion 2 Years negative bamate: Mouse Oral	ay) te: Ingestion
l based on availa s: coute e pane-1,3-diyl di coute e	licarl	Rat Ingestion 2 Years negative bamate: Mouse Oral	
<u>s:</u> coute e pane-1,3-diyl di coute e	licarl	Rat Ingestion 2 Years negative bamate: Mouse Oral	
e pane-1,3-diyl di coute e	licarl	Ingestion 2 Years negative bamate: Mouse Oral	
e pane-1,3-diyl di coute e	licarl	Ingestion 2 Years negative bamate: Mouse Oral	
e pane-1,3-diyl di coute e	licarl	Ingestion 2 Years negative bamate: Mouse Oral	
e pane-1,3-diyl di coute e	licarl	2 Years negative bamate: Mouse Oral	
pane-1,3-diyl di oute e		bamate: Mouse Oral	
e		Mouse Oral	
e	:	Oral	
e	:		
	:		
IS			weight
	:	300 mg/kg body Liver	weight
	:	Rat	
oute	:	Oral	
е	:	104 weeks	
IS	:	30 mg/kg body v Liver, Testes	veight
15	:	Benign tumor(s)	
	:	Rat	
oute	:	Ingestion	
е	:	72 weeks	
	:	negative	
e toxicity I based on availa	able	information.	
<u>s:</u>			
tility	:	Species: Rat Application Rou	
	e e toxicity I based on avail <u>s:</u>	e : e toxicity I based on available <u>5:</u>	oute : Ingestion e : 72 weeks : negative e toxicity I based on available information. <u>5:</u> tility : Test Type: Two-

SAFETY DATA SHEET



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	Effects on fetal development		:	Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative			
	2-phen	ylpropane-1,3-diyl di	carl	pamate:			
	Effects	on fertility	:				
	Effects	on fetal development	:	Result: Reduced f	: Oral oxicity: NOAEL: 500 mg/kg body weight etal weight., Embryotoxic effects and in the offspring were detected only at high		
				Result: Embryotox			
	Cellulo	se:					
	Effects	on fertility	:	Test Type: One-g Species: Rat Application Route Result: negative	eneration reproduction toxicity study : Ingestion		
	Effects	on fetal development	:	Test Type: Fertility Species: Rat Application Route Result: negative	y/early embryonic development : Ingestion		
		single exposure ssified based on availa	able	information.			
	STOT-I	repeated exposure					
	Not cla	ssified based on availa	able	information.			
	Repeat	ed dose toxicity					
	Compo	onents:					
		S -	:	Rat 0.167 mg/l 0.622 mg/l inhalation (dust/m 13 Weeks	ist/fume)		



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Speci		: Rat
NOAE	EL	: 8,000 - 10,000 mg/kg
Applic	ation Route	: Ingestion
Expos	sure time	: 2 y
Speci		: Rabbit
NOAE		: 5,040 mg/kg
	ation Route	: Skin contact
Expos	sure time	: 45 Weeks
2-phe	nylpropane-1,3-diyl	dicarbamate:
Speci	es	: Rat
NOAE		: 100 mg/kg
Applic	ation Route	: Oral
	sure time	: 3 Months
	t Organs	: Liver
Rema	rks	: May cause damage to organs.
Speci	es	: Dog
NOAE	EL	: 280 mg/kg
Applic	ation Route	: Oral
	sure time	: 3 Months
Targe	t Organs	: Liver, Central nervous system
Speci	es	: Rat
NOAE	EL	: 30 mg/kg
Applic	ation Route	: Oral
Expos	sure time	: 1y
	t Organs	: Liver
Rema	rks	: May cause damage to organs.
Speci	es	: Dog
NOAE		: 30 mg/kg
Applic	ation Route	: Oral
•	sure time	: 1 y
	t Organs	: Liver, Central nervous system
Rema	rks	: May cause damage to organs.
Cellul	lose:	
Speci		: Rat
NOAE		= 9,000 mg/kg
	ation Route	: Ingestion
	sure time	: 90 Days
Acnir	ation toxicity	
-	assified based on av	ailable information.
	rience with human e	
-	oonents:	
2-phe	nylpropane-1,3-diyl	dicarbamate:



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Inge	Ingestion		: Target Organs: Liver Symptoms: anorexia, Nausea, Vomiting, Headache, D ness, insomnia, Drowsiness			
SECTIO	N 12. ECOLOGICAL INFO	DRN	IATION			
Eco	toxicity					
<u>Con</u>	nponents:					
Glye	cerine:					
Toxi	city to fish	:	LC50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): 54,000 mg/l Sh		
	city to daphnia and other atic invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): 1,955 mg/l 3 h		
Тохі	city to microorganisms	:	NOEC (Pseudomonas putida): > 10,000 mg/l Exposure time: 16 h Method: DIN 38 412 Part 8			
2-pł	2-phenylpropane-1,3-diyl dicarbamate:					
-	city to fish	:				
	city to daphnia and other atic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te			
Cell	ulose:					
	city to fish	:	Exposure time: 48	pes (Japanese medaka)): > 100 mg/l 3 h on data from similar materials		
Pers	Persistence and degradabili					
<u>Con</u>	nponents:					
Glye	cerine:					
Bioc	legradability	:	Result: Readily bi Biodegradation: 9 Exposure time: 30 Method: OECD To	92 %		
2-pł	2-phenylpropane-1,3-diyl dicarbamate:					
-	bility in water	: Hydrolysis: < 10 %(5 d)		%(5 d)		
الم	ulose:					
	legradability	:	Result: Readily bi	odegradable.		



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Bioa	ccumulative potentia	I	
<u>Com</u>	ponents:		
Partit	erine: ion coefficient: n- nol/water	: log Pow: -1.75	
2-ph	enylpropane-1,3-diyl	dicarbamate:	
	ion coefficient: n- nol/water	: log Pow: 0.381	
Mobi	lity in soil		
No da	ata available		
Othe	r adverse effects		
No da	ata available		
SECTION	13. DISPOSAL CON	SIDERATIONS	
Disp	osal methods		
Wast	e from residues	: Dispose of in ac	cordance with local regulations.

Waste from residues	:	Dispose of in accordance with local regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste
		handling site for recycling or disposal.
		If not otherwise specified: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

NOM-002-SCT Not regulated as a dangerous good

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Federal Law for the control of chemical precursors, : Not applicable essential chemical products and machinery for producing capsules, tablets and pills.



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The in	madianta of this pro-	J 4	ore reported in th	a following inventorios
	greatents of this prod		-	e following inventories:
AICS		:	not determined	
DSL		:	not determined	
IECSC		:	not determined	
.2000		•		

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

ACGIH NOM-010-STPS-2014	•	USA. ACGIH Threshold Limit Values (TLV) Mexico. Norm NOM-010-STPS-2014 on Chemicals Polluting the Work Environment - Identification, Assessment and Con-
		trol - Appendix 1 Occupational Exposure Limits
ACGIH / TWA	:	8-hour, time-weighted average
NOM-010-STPS-2014 / VLE-	:	Time weighted average limit value
PPT		

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Sources of key data used to : Internal technical data, data from raw material SDSs, OECD



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compile the Material Safety		eChem Portal	search results and European Chemicals Agen-
Data Sheet		cy, http://echa	.europa.eu/
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The information is considered as correct, but not exhaustive, and will be used only as a guide, which is based in the current knowledge of the substance or mixture, and is applicable to proper safety precautions for the product.

MX / Z8