

Version 3.12	Revision Date: 01.10.2020		S Number: 03-00016	Date of last issue: 23.03.2020 Date of first issue: 23.01.2015
Section 1:	Identification			
Produ	ict name	:	Mirtazapine Disir	ntegrating Formulation
Manu	facturer or supplier's d	etai	ls	
Comp		:	Organon & Co.	
Addre	SS	:	30 Hudson Stree Jersey City, New	et, 33nd floor v Jersey, U.S.A 07302
Telep	hone	:	551-430-6000	
Emerg	gency telephone number	:	215-631-6999	
E-mai	laddress	:	EHSSTEWARD	@organon.com
Reco	mmended use of the ch	nem	ical and restriction	ons on use
Recor	mmended use	:	Pharmaceutical	
	Classification toxicity (Oral)	:	Category 4	
Acute	toxicity (Oral)	:	Category 4	
Repro	oductive toxicity	:	Category 2	
	fic target organ toxicity - ted exposure (Oral)	:	Category 2 (Ner	vous system)
GHS	label elements			
Hazaı	d pictograms	:		!
Signa	l word	:	Warning	•
Hazaı	rd statements	:	ing the unborn cl H373 May cause	ed of damaging fertility. Suspected of damag
Preca	utionary statements	:	Prevention:	
			P202 Do not har and understood. P260 Do not bre P264 Wash skin P270 Do not eat	cial instructions before use. Idle until all safety precautions have been re athe dust. thoroughly after handling. , drink or smoke when using this product. nal protective equipment as required.



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Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin. May form explosive dust-air mixture during processing, handling or other means.

Section 3: Composition/information on ingredients

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
(+/-)-1,2,3,4,10,14b-Hexahydro-2- methylpyrazino[2,1-a]pyrido[2,3- c][2]benzazepine	85650-52-8	>= 10 -< 30
Citric acid	77-92-9	< 10
Cellulose	9004-34-6	< 10
Magnesium stearate	557-04-0	< 10

Section 4: First-aid measures

General advice	 In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	: If inhaled, remove to fresh air. Get medical attention.
In case of skin contact	 In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	: If in eyes, rinse well with water. Get medical attention if irritation develops and persists.
If swallowed	 If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.
Most important symptoms	: Harmful if swallowed.

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and e delay	ffects, both acute and ed	unborn child. May cause da exposure if sv	damaging fertility. Suspected of damaging the mage to organs through prolonged or repeated vallowed. dust can cause mechanical irritation or drying of
Prote	ction of first-aiders	: First Aid respondent	with the eyes can lead to mechanical irritation. onders should pay attention to self-protection, ecommended personal protective equipment ential for exposure exists (see section 8).
Notes	to physician		matically and supportively.
Section 5	: Fire-fighting measure	S	
Suital	ble extinguishing media	: Water spray Alcohol-resist Carbon dioxid Dry chemical	
Unsu media	itable extinguishing	: None known.	
Speci fightir	fic hazards during fire- ng	concentration potential dust	ting dust; fine dust dispersed in air in sufficient s, and in the presence of an ignition source is a explosion hazard. combustion products may be a hazard to health.
Haza ucts	rdous combustion prod-	: Carbon oxide Nitrogen oxide Metal oxides	
ods	fic extinguishing meth-	cumstances a Use water spr Remove unda so. Evacuate area	
	al protective equipment efighters		f fire, wear self-contained breathing apparatus. protective equipment.
Section 6	: Accidental release me	easures	
tive e	onal precautions, protec- quipment and emer- / procedures	Follow safe ha	protective equipment. andling advice (see section 7) and personal pro- nent recommendations (see section 8).
Envir	onmental precautions	Prevent furthe Retain and dis	to the environment. er leakage or spillage if safe to do so. spose of contaminated wash water. ies should be advised if significant spillages ntained.
	ods and materials for inment and cleaning up	tainer for disp Avoid dispers with compress	al of dust in the air (i.e., clearing dust surfaces



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		es, as these may form an explosive mixture if they are re- leased into the atmosphere in sufficient concentration. Local or national regulations may apply to releases and d posal of this material, as well as those materials and item employed in the cleanup of releases. You will need to det mine which regulations are applicable. Sections 13 and 15 of this SDS provide information regard certain local or national requirements.					
Section 7	: Handling and storage	;					
Local	nical measures /Total ventilation æ on safe handling	causing an ex Provide adequand bonding, Use only with Do not breath Do not swallo Avoid contact Avoid prolong	ate precautions, such as electrical grounding or inert atmospheres. adequate ventilation. e dust. w. with eyes. ed or repeated contact with skin.				
		Handle in acc practice, base sessment Minimize dust Keep containe Keep away fro Take precauti Do not eat, dr	broughly after handling. ordance with good industrial hygiene and safety id on the results of the workplace exposure as- generation and accumulation. er closed when not in use. om heat and sources of ignition. onary measures against static discharges. ink or smoke when using this product. orevent spills, waste and minimize release to the				
Hygie	ene measures	: If exposure to flushing syste place. When using d	chemical is likely during typical use, provide eye ms and safety showers close to the working o not eat, drink or smoke.				
Cond	itions for safe storage	: Keep in prope Store locked u	inated clothing before re-use. rly labelled containers. .p. dance with the particular national regulations.				
Mate	rials to avoid		vith the following product types:				

Section 8: Exposure controls/personal protection

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
(+/-)-1,2,3,4,10,14b- Hexahydro-2- methylpyrazino[2,1- a]pyrido[2,3-c][2]benzazepine	85650-52-8	TWA	25 µg/m3	Internal



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Ì		1		Wipe limit	250 µg/100 cm ²	Internal			
Cellul	ose		9004-34-6	WES-TWA	10 mg/m3	NZ OEL			
				TWA	10 mg/m3	ACGIH			
Magn	esium stearate		557-04-0	WES-TWA	10 mg/m3	NZ OEL			
				TWA (Inhal-	10 mg/m3	ACGIH			
				able particu-	_				
				late matter)					
				TWA (Res-	3 mg/m3	ACGIH			
				pirable par-					
				ticulate mat-					
				ter)					
-	neering measures		Minimize worl Apply measur Ensure that d dust collectors signed in a m work area (i.e	<pre>xplace exposure res to prevent du ust-handling sys s, vessels, and p anner to prevent</pre>		ust ducts, nt) are de- into the			
Perso	onal protective equip	nent							
Respi	ratory protection	:	If adequate lo	cal exhaust vent	ilation is not availab	le or expo-			
					es exposures outside				
— :1	1 1				spiratory protection.				
	ter type protection		Particulates type						
Tianu	protection								
Ma	aterial	: Chemical-resistant gloves							
Re	emarks	:	on the concer stance and sp determined fo applications, chemicals of t	ntration and quar becific to place of the product. Cl we recommend of the aforemention cturer. Wash ha	ds against chemicals ntity of the hazardou f work. Breakthrough nange gloves often! clarifying the resistant ed protective gloves nds before breaks a	s sub- h time is not For special nce to s with the			
Еуе р	rotection	:	: Wear the following personal protective equipment:						
Skin and body protection Skin and body protection Skin and body protection Skin contact must be avoided by using impervious p clothing (gloves, aprons, boots, etc).					posure				

Section 9: Physical and chemical properties

Appearance	:	powder
Colour	:	No data available
Odour	:	No data available
Odour Threshold	:	No data available

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	рН		:	No data available	
	Melting	point/freezing point	:	No data available)
	Initial bo range	piling point and boiling	:	No data available	
	Flash p	oint	:	No data available)
	Evapora	ation rate	:	No data available)
	Flamma	ability (solid, gas)	:	May form explosi dling or other me	ve dust-air mixture during processing, han- ans.
	Flamma	ability (liquids)	:	No data available)
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
	Vapour	pressure	:	No data available)
	Relative	e vapour density	:	No data available)
	Density		:	No data available)
	Solubilit Wate	ty(ies) er solubility	:	No data available)
	Partition octanol	n coefficient: n-	:	No data available)
		nition temperature	:	No data available)
	Decom	position temperature	:	No data available)
	Viscosit Visc	y osity, dynamic	:	No data available)
	Visc	osity, kinematic	:	No data available)
	Explosiv	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance or	r mixture is not classified as oxidizing.
	Molecul	ar weight	:	No data available	9
	Particle	size	:	No data available	

Section 10: Stability and reactivity

Reactivity

: Not classified as a reactivity hazard.



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	Chemical stability Possibility of hazardous reac- tions		May form explo dling or other r	ormal conditions. osive dust-air mixture during processing, han- neans. strong oxidizing agents.				
Condi	tions to avoid	:	Heat, flames a					
Hazar	Incompatible materials Hazardous decomposition products		Avoid dust formation.Oxidizing agentsNo hazardous decomposition products are known.					
ection 11	I: Toxicological inform	atio	n					
Expos	sure routes	:	Inhalation Skin contact Ingestion Eye contact					
	toxicity ful if swallowed.							
<u>Produ</u>								
Acute	oral toxicity	:	Acute toxicity e Method: Calcul	stimate: 1,588 mg/kg ation method				
<u>Comp</u>	oonents:							
				o[2,1-a]pyrido[2,3-c][2]benzazepine:				
Acute	oral toxicity	:	LD50 (Rat): 320	0 - 490 mg/kg				
Citric	acid:							
Acute	oral toxicity	:	LD50 (Mouse):	5,400 mg/kg				
Acute	dermal toxicity	:		2,000 mg/kg Test Guideline 402 he substance or mixture has no acute dermal				
Cellu	lose.							
	oral toxicity	:	LD50 (Rat): > 5	i,000 mg/kg				
Acute	inhalation toxicity	:	LC50 (Rat): > 5 Exposure time: Test atmosphere	4 h				
Acute	dermal toxicity	:	LD50 (Rabbit):	> 2,000 mg/kg				
Magn	esium stearate:							
-	oral toxicity	:	Assessment: Thicity	2,000 mg/kg Test Guideline 423 he substance or mixture has no acute oral tox ed on data from similar materials				



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Acute	e dermal toxicity		Rabbit): > 2,0 <s: (<="" based="" on="" td=""><td>00 mg/kg data from similar materials</td></s:>	00 mg/kg data from similar materials			
•	corrosion/irritation lassified based on ava	ailable informat	ion.				
Com	ponents:						
Citric	c acid:						
Meth	Species Method Result		RabbitOECD Test Guideline 404No skin irritation				
Magr	nesium stearate:						
Spec Resu Rema	ies It		i irritation on data from s	similar materials			
Citric Spec Resu Meth	lt		n to eyes, rev Test Guidelin	ersing within 21 days e 405			
Magr	nesium stearate:						
Spec Resu Rema	lt		irritation on data from s	similar materials			
Resp	iratory or skin sensi	tisation					
•••••	sensitisation lassified based on ava	ilable informat	ion.				
-	iratory sensitisation lassified based on ava		ion.				
Com	ponents:						
Magr	nesium stearate:						
Test	Type sure routes ies od	: Skin co : Guinea	pig Test Guidelin	e 406			

Result : negativ

Remarks

OECD Test Guideline 406
negative
Based on data from similar materials



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Chro	nic toxicity			
	a cell mutagenicity assified based on av	ailable informa	ation.	
<u>Comp</u>	oonents:			
	I,2,3,4,10,14b-Hexal toxicity in vitro	: Test 7		a]pyrido[2,3-c][2]benzazepine: everse mutation assay (AMES)
		Test s		mmalian cell gene mutation test hamster lung cells
		Test s	ype: unschedule ystem: mammal : negative	ed DNA synthesis assay ian cells
		Test s	ype: sister chrony ystem: mammal t: negative	matid exchange assay ian cells
Geno	toxicity in vivo	Speci Cell ty Applic	ype: Micronucle es: Rat pe: Bone marro ation Route: Ora t: negative	w
Citric	acid:			
	toxicity in vitro		ype: Bacterial re t: negative	everse mutation assay (AMES)
			ype: in vitro mic : positive	ronucleus test
			ype: Bacterial re t: negative	everse mutation assay (AMES)
Geno	toxicity in vivo	cytogo Speci Applic		ity (in vivo mammalian bone-marrow nosomal analysis) estion
Cellu	lose:			
	toxicity in vitro		ype: Bacterial re t: negative	everse mutation assay (AMES)
			ype: In vitro ma t: negative	mmalian cell gene mutation test
Geno	toxicity in vivo		ype: Mammalian enetic assay)	n erythrocyte micronucleus test (in vi



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		Species: Mous Application Ro Result: negativ	ute: Ingestion
Magr	nesium stearate:		
-	otoxicity in vitro	Result: negativ	itro mammalian cell gene mutation test e ed on data from similar materials
		Method: OECD Result: negativ	omosome aberration test in vitro) Test Guideline 473 e ed on data from similar materials
		Result: negativ	cterial reverse mutation assay (AMES) e ed on data from similar materials
Carc	inogenicity		
	lassified based on ava	ailable information.	
Com	ponents:		

(+/-)-1,2,3,4,10,14b-Hexahydro-2-methylpyrazino[2,1-a]pyrido[2,3-c][2]benzazepine:

())))		
Species	:	Mouse
Application Route	:	Oral
Exposure time	:	18 month(s)
LOAEL	:	200 mg/kg body weight
Result	:	equivocal
Target Organs	:	Liver
Species	:	Rat
Application Route	:	Oral
Exposure time	:	2 Years
LOAEL	:	20 mg/kg body weight
Result	:	equivocal
Target Organs	:	Liver, Thyroid
Cellulose:		
Species	:	Rat
Application Route	:	Ingestion
Exposure time	:	72 weeks
•		

Reproductive toxicity

Suspected of damaging fertility. Suspected of damaging the unborn child.

: negative

Components:

Effects on fertility

Result

(+/-)-1,2,3,4,10,14b-Hexahydro-2-methylpyrazino[2,1-a]pyrido[2,3-c][2]benzazepine:

:	Test Type: Fertility/early embryonic development
	Species: Rat
	Application Route: Oral



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		Symptoms: E tions Result: Anim	EL: 15 mg/kg body weight Effect on estrous cycle, Increase of early resorp- al testing did not show any effects on fertility., effects and adverse effects on the offspring were
Effect ment	s on foetal develop-	Result: Embr	
			obit
Repro sessm	oductive toxicity - As- nent	fertility, base	nce of adverse effects on sexual function and d on animal experiments., Some evidence of cts on development, based on animal experi-
Citric Effect ment	acid: s on foetal develop-	Species: Rat	Route: Ingestion
Cellul	lose:		
Effect	s on fertility	Species: Rat	Route: Ingestion
Effect ment	s on foetal develop-	Species: Rat	Route: Ingestion
Magn	esium stearate:		
Effect	s on fertility	reproduction, Species: Rat Application R Method: OEC Result: nega	Route: Ingestion CD Test Guideline 422
Effect ment	s on foetal develop-	: Test Type: E Species: Rat	mbryo-foetal development



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Application Route: Ingestion Result: negative Remarks: Based on data from similar materials

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

May cause damage to organs (Nervous system) through prolonged or repeated exposure if swallowed.

Components:

(+/-)-1,2,3,4,10,14b-Hexahydro-2-methylpyrazino[2,1-a]pyrido[2,3-c][2]benzazepine:

Exposure routes	:	Ingestion
Target Organs	:	Nervous system
Assessment	:	May cause damage to organs through prolonged or repeated
		exposure.

Repeated dose toxicity

Components:

(+/-)-1,2,3,4,10,14b-Hexahydro-2-methylpyrazino[2,1-a]pyrido[2,3-c][2]benzazepine:

Application Route:OralExposure time:52 WeeksTarget Organs:Nervous systemSymptoms:TremorsSpecies:DogLOAEL:20 mg/kgApplication Route:OralExposure time:13 WeeksTarget Organs:Nervous system, TestisSymptoms:TremorsCitric acid:Species:RatNOAEL:4,000 mg/kgLOAEL:8,000 mg/kgApplication Route:IngestionExposure time:10 DaysCellulose:Species:Rat	Species LOAEL Application Route Exposure time Target Organs Species	: : : : : : : : : : : : : : : : : : : :	Rat 120 mg/kg Oral 13 Weeks Nervous system Dog
LOAEL: 20 mg/kgApplication Route: OralExposure time: 13 WeeksTarget Organs: Nervous system, TestisSymptoms: TremorsCitric acid:Species: RatNOAEL: 4,000 mg/kgLOAEL: 8,000 mg/kgApplication Route: IngestionExposure time: 10 DaysCellulose:Species: Rat	Exposure time Target Organs	:	52 Weeks Nervous system
Species:RatNOAEL:4,000 mg/kgLOAEL:8,000 mg/kgApplication Route:IngestionExposure time:10 DaysCellulose:Species:Rat	LOAEL Application Route Exposure time Target Organs Symptoms	:	20 mg/kg Oral 13 Weeks Nervous system, Testis
Species : Rat	Species NOAEL LOAEL Application Route	:	4,000 mg/kg 8,000 mg/kg Ingestion
		:	Rat 12/17



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	EL cation Route sure time	:	>= 9,000 mg/kg Ingestion 90 Days	
Specie NOAE Applic	EL cation Route sure time	:	Rat > 100 mg/kg Ingestion 90 Days Based on data fro	om similar materials
-	ation toxicity assified based on availa	ble	information.	
Exper	rience with human exp	osı	ıre	
Comp	oonents:			
(+/-)-1 Ingest		ro- 2		2,1-a]pyrido[2,3-c][2]benzazepine: siness, constipation, dry mouth, asthenia, entation
	2: Ecological information	on		
Ecoto	2: Ecological information exicity econents:	on		
Ecoto <u>Comp</u> (+/-)-1	oxicity ponents:			
Ecoto <u>Comp</u> (+/-)-1 Toxici	oxicity ponents: 1,2,3,4,10,14b-Hexahyd	ro-:	LC50 (Pimephale Exposure time: 90 Method: FDA 4.1	s promelas (fathead minnow)): 6.92 mg/l 5 h 1 hagna (Water flea)): 19.5 mg/l
Ecoto <u>Comp</u> (+/-)-1 Toxici Toxici aquati	poxicity ponents: 1,2,3,4,10,14b-Hexahyd ity to fish ity to daphnia and other ic invertebrates ity to algae/aquatic	ro-:	LC50 (Pimephale Exposure time: 96 Method: FDA 4.1 EC50 (Daphnia m Exposure time: 48	s promelas (fathead minnow)): 6.92 mg/l 5 h 1 nagna (Water flea)): 19.5 mg/l 3 h chneriella subcapitata (green algae)): 5.7 2 h
Ecoto Comp (+/-)-1 Toxici aquati Toxici	poxicity ponents: 1,2,3,4,10,14b-Hexahyd ity to fish ity to daphnia and other ic invertebrates ity to algae/aquatic	ro-:	LC50 (Pimephale Exposure time: 90 Method: FDA 4.1 EC50 (Daphnia m Exposure time: 40 EC50 (Pseudokin mg/l Exposure time: 72 Method: OECD T	s promelas (fathead minnow)): 6.92 mg/l 5 h 1 nagna (Water flea)): 19.5 mg/l 3 h chneriella subcapitata (green algae)): 5.7 2 h est Guideline 201 rchneriella subcapitata (green algae)): 3.2 2 h
Ecoto Comp (+/-)-1 Toxici aquati Toxici plants	poxicity ponents: 1,2,3,4,10,14b-Hexahyd ity to fish ity to daphnia and other ic invertebrates ity to algae/aquatic	ro-:	LC50 (Pimephale Exposure time: 90 Method: FDA 4.1 EC50 (Daphnia m Exposure time: 48 EC50 (Pseudokin mg/l Exposure time: 72 Method: OECD T NOEC (Pseudoki mg/l Exposure time: 72 Method: OECD T	s promelas (fathead minnow)): 6.92 mg/l 5 h 1 hagna (Water flea)): 19.5 mg/l 3 h chneriella subcapitata (green algae)): 5.7 2 h est Guideline 201 rchneriella subcapitata (green algae)): 3.2 2 h est Guideline 201 es promelas (fathead minnow)): 3.6 mg/l l d

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То	xicity to microorganisms	:	EC50 (Natural mi Exposure time: 3 Test Type: Respir Method: OECD To	ation inhibition
			NOEC (Natural m Exposure time: 3 Test Type: Respir Method: OECD To	ation inhibition
Cit	ric acid:			
	xicity to fish	:	LC50 (Pimephale Exposure time: 96	s promelas (fathead minnow)): > 100 mg/l 5 h
	xicity to daphnia and other uatic invertebrates	:	EC50 (Daphnia m Exposure time: 24	agna (Water flea)): 1,535 mg/l I h
Ce	Ilulose:			
	xicity to fish	:	Exposure time: 48	ipes (Japanese medaka)): > 100 mg/l } h on data from similar materials
Ма	ignesium stearate:			
То	xicity to fish	:	Exposure time: 48 Method: DIN 384	
	xicity to daphnia and other uatic invertebrates	:	Exposure time: 47 Test substance: V Method: Directive	Vater Accommodated Fraction 67/548/EEC, Annex V, C.2. on data from similar materials
	xicity to algae/aquatic ints	:	mg/l Exposure time: 72 Test substance: V Method: OECD To	Vater Accommodated Fraction est Guideline 201 on data from similar materials
			mg/l Exposure time: 72 Test substance: V Method: OECD To	Vater Accommodated Fraction
То	xicity to microorganisms	:	Exposure time: 16	nas putida): > 100 mg/l 5 h Vater Accommodated Fraction



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			Remarks: Bas	ed on data from similar materials
Persi	stence and degradab	oility		
<u>Com</u>	oonents:			
Citric	acid:			
Biode	gradability	:	Biodegradation Exposure time	
Cellu	lose:			
Biode	gradability	:	Result: Readily	y biodegradable.
Magn	esium stearate:			
-	gradability	:	Result: Not bio Remarks: Bas	odegradable ed on data from similar materials
Bioad	cumulative potential	I		
Com	oonents:			
	1,2,3,4,10,14b-Hexahy ccumulation	/dro-2	Species: Onco Bioconcentrati	no[2,1-a]pyrido[2,3-c][2]benzazepine : orhynchus mykiss (rainbow trout) on factor (BCF): 334 D Test Guideline 305
	ion coefficient: n- ol/water	:	log Pow: 2.78	
Citric	acid:			
	ion coefficient: n- ol/water	:	log Pow: -1.72	2
-	esium stearate:			
	ion coefficient: n- ol/water	:	log Pow: > 4	
Mobi	lity in soil			
Com	oonents:			
(+/-)- 1	1,2,3,4,10,14b-Hexahy	/dro-2	2-methylpyrazi	no[2,1-a]pyrido[2,3-c][2]benzazepine:
	bution among environ- al compartments	:	log Koc: 4.48	
Othe	r adverse effects			
No da	ata available			
ection 1	3: Disposal considera	ation	6	
Dispo	osal methods			
Waste	e from residues	:	Dispose of in a	accordance with local regulations.
			15 / 1	7



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aminated packaging	dling site for r	ners should be taken to an approved waste han- ecycling or disposal. e specified: Dispose of as unused product.
4: Transport informat	tion	
national Regulations		
FDG egulated as a dangerou	us good	
-DGR egulated as a dangerou	us good	
- Code egulated as a dangerou	us good	
	-	ARPOL 73/78 and the IBC Code
nal Regulations		
5433 egulated as a dangero	us good	
5: Regulatory information	ation	
y, health and environ	mental regulations	/legislation specific for the substance or mix-
	01.10.2020 aminated packaging 4: Transport informat national Regulations FDG egulated as a dangerou -DGR egulated as a dangerou -Code egulated as a dangerou sport in bulk accordin pplicable for product a nal Regulations 5433 egulated as a dangerou 5: Regulatory information	01.10.2020 50203-00016 aminated packaging : Empty contain dling site for mole for otherwise 4: Transport information national Regulations TDG egulated as a dangerous good -DGR egulated as a dangerous good -Code egulated as a dangerous good sport in bulk according to Annex II of MA pplicable for product as supplied. nal Regulations 5433 egulated as a dangerous good 5433 egulated as a dangerous good 55: Regulatory information

HSNO Approval Number

HSR100425 Pharmaceutical Active Ingredients Group Standard 2017

HSW Controls

Certified handler certificate not required. Tracking hazardous substance not required. Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

The components of this product are reported in the following inventories:

AICS	:	not determined
DSL	:	not determined
IECSC	:	not determined

Section 16: Other information

Further information	
Sources of key data used to : compile the Safety Data Sheet	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/



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Date f	ormat	:	dd.mm.yyyy			
Full text of other abbreviations						
ACGII NZ OI	-	:	USA. ACGIH Threshold Limit Values (TLV) New Zealand. Workplace Exposure Standards for Atmospher- ic Contaminants			
	H / TWA EL / WES-TWA	:	8-hour, time-weig Workplace Expos	hted average ure Standard - Time Weighted average		

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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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