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### Mirtazapine Disintegrating Formulation

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1	Product identifier Trade name	:	Mirtazapine Disintegrating Formulation
1.2	Relevant identified uses of th	e s	ubstance or mixture and uses advised against
	Use of the Sub- stance/Mixture	:	Pharmaceutical
	Recommended restrictions on use	:	Not applicable
1.3	Details of the supplier of the	saf	ety data sheet
	Company	:	Organon & Co. Shotton Lane NE23 3JU Cramlington NU - Great Britain
	Telephone	:	+44 1 670 59 32 05
	E-mail address of person responsible for the SDS	:	EHSSTEWARD@organon.com

#### **1.4 Emergency telephone number**

+1-215-631-6999

### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

# Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Acute toxicity, Category 4 Reproductive toxicity, Category 2

Specific target organ toxicity - repeated exposure, Category 2 Long-term (chronic) aquatic hazard, Category 3 H302: Harmful if swallowed.
H361fd: Suspected of damaging fertility. Suspected of damaging the unborn child.
H373: May cause damage to organs through prolonged or repeated exposure.
H412: Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

# Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

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Hazai	rd pictograms	:		
Signa	l word	:	Warning	•
Hazai	rd statements	:	H302 H361fd	Harmful if swallowed. Suspected of damaging fertility. Suspected of damaging the unborn child.
			H373 H412	May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.
Preca	utionary statements	:	Prevention:	
			P201 P260 P270	Obtain special instructions before use. Do not breathe dust. Do not eat, drink or smoke when using this prod- uct.
			P273 P280	Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection.
			Response:	
			P308 + P313	3 IF exposed or concerned: Get medical advice/ attention.

Hazardous components which must be listed on the label:

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

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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**

#### 3.2 Mixtures

#### Components

Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Index-No.		
	Registration number		
(+/-)-1,2,3,4,10,14b-Hexahydro-2-	85650-52-8	Acute Tox. 4; H302	>= 20 - < 25
methylpyrazino[2,1-a]pyrido[2,3-	288-060-6	Repr. 2; H361fd	
c][2]benzazepine		STOT RE 2; H373	
		(Nervous system)	
		Aquatic Chronic 2;	

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П			H411	
Citric	acid	77-92-9	Eye Irrit. 2; H319	>= 1 - < 10
		201-069-1	STOT SE 3; H335	
		607-750-00	-3	
Subs	tances with a workpla	ice exposure limit :		
Cellu	lose	9004-34-6		>= 1 - < 10
- 11		232-674-9		

For explanation of abbreviations see section 16.

### **SECTION 4: First aid measures**

4.1 Description of first aid measures			
General advice :	In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical advice.		
Protection of first-aiders :	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).		
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.		
4.2 Most important symptoms and	effects, both acute and delayed		
Risks :	Harmful if swallowed. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.		
	Contact with dust can cause mechanical irritation or drying of the skin. Dust contact with the eyes can lead to mechanical irritation.		

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### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically and supportively.

### **SECTION 5: Firefighting measures**

5.1 Extinguishing n	nedia		
Suitable extingu	iishing media :		Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extir media	nguishing :		None known.
5.2 Special hazards	arising from th	ne	substance or mixture
Specific hazard fighting	s during fire- :		Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Exposure to combustion products may be a hazard to health.
Hazardous com ucts	bustion prod- :		Carbon oxides Nitrogen oxides (NOx) Metal oxides
5.3 Advice for firefi	ghters		
Special protection for firefighters	ve equipment :		In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
Specific extingu ods	ishing meth- :		Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

### **SECTION 6: Accidental release measures**

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	: Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
6.2 Environmental precautions	

Environmental precautions	:	Avoid release to the environment.
		Prevent further leakage or spillage if safe to do so.
		Retain and dispose of contaminated wash water.
		If spillage enters rivers or watercourses, inform the Environ-

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		ment Agency (er	nergency telephone number 0800 807060).
6.3 Method	ds and material for co	ntainment and clean	ing up
Metho	ds for cleaning up	tainer for disposa Avoid dispersal of with compressed Dust deposits sh es, as these may leased into the a Local or national posal of this mat employed in the mine which regu Sections 13 and	of dust in the air (i.e., clearing dust surfaces

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

### SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

in invegatione for sale namaling	
Technical measures	<ul> <li>Static electricity may accumulate and ignite suspended dust causing an explosion.</li> <li>Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.</li> </ul>
Local/Total ventilation	: Use only with adequate ventilation.
Advice on safe handling	: Do not breathe dust.
Advice on sale handling	Do not swallow.
	Avoid contact with eyes.
	Avoid prolonged or repeated contact with skin.
	Wash skin thoroughly after handling.
	Handle in accordance with good industrial hygiene and safety
	practice, based on the results of the workplace exposure as-
	sessment
	Minimize dust generation and accumulation.
	Keep container closed when not in use.
	Keep away from heat and sources of ignition.
	Take precautionary measures against static discharges.
	Do not eat, drink or smoke when using this product.
	Take care to prevent spills, waste and minimize release to the environment.
Hygiene measures	: If exposure to chemical is likely during typical use, provide eye
	flushing systems and safety showers close to the working
	place. When using do not eat, drink or smoke. Wash contami-
	nated clothing before re-use.
7.2 Conditions for safe storage, in	ncluding any incompatibilities
Requirements for storage	: Keep in properly labelled containers. Store locked up. Store in

Requirements for storage	:	Keep in properly labelled containers. Store locked up. Store in
areas and containers		accordance with the particular national regulations.

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Advi	ce on common storage	:	Do not store with the following product types: Strong oxidizing agents	
7.3 Specific end use(s) Specific use(s)		:	No data available	

### **SECTION 8: Exposure controls/personal protection**

### 8.1 Control parameters

### **Occupational Exposure Limits**

dust of any kind	10 mg/m3 Value type (Form of exposure): TWA (Inhalable) Basis: GB EH40

4 mg/m3 Value type (Form of exposure): TWA (Respirable fraction) Basis: GB EH40

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
(+/-)- 1,2,3,4,10,14b- Hexahydro-2- methylpyra- zino[2,1- a]pyrido[2,3- c][2]benzazepine	85650-52-8	TWA	25 μg/m3	Internal
		Wipe limit	250 μg/100 cm <sup>2</sup>	Internal
Cellulose	9004-34-6	TWA (inhalable dust)	10 mg/m3	GB EH40
		TWA (Respirable dust)	4 mg/m3	GB EH40
		STEL (inhalable dust)	20 mg/m3	GB EH40

### Predicted No Effect Concentration (PNEC):

	. ,	
Substance name	Environmental Compartment	Value
Citric acid	Fresh water	0.44 mg/l
	Marine water	0.044 mg/l
	Sewage treatment plant	1000 mg/l
	Fresh water sediment	34.6 mg/kg dry weight (d.w.)
	Marine sediment	3.46 mg/kg dry weight (d.w.)
	Soil	33.1 mg/kg dry weight (d.w.)

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#### 8.2 Exposure controls

#### Engineering measures

Ensure adequate ventilation, especially in confined areas.

Minimize workplace exposure concentrations. Apply measures to prevent dust explosions.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area

(i.e., there is no leakage from the equipment).

Personal protective equipmen Eye/face protection Hand protection	nt :	Wear the following personal protective equipment: Safety goggles Equipment should conform to BS EN 166
Material	:	Chemical-resistant gloves
Remarks	:	Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous sub- stance and specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.
Skin and body protection	:	Select appropriate protective clothing based on chemical re- sistance data and an assessment of the local exposure poten- tial. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).
Respiratory protection	:	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Equipment should conform to BS EN 143
Filter type	:	Particulates type (P)

### **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Appearance Colour Odour Odour Threshold	::	powder No data available No data available No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling	:	No data available
range Flash point	:	No data available

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	Evapor	ation rate	:	No data available	9
	Flamma	ability (solid, gas)	:	May form explos dling or other me	ive dust-air mixture during processing, han- ans.
		explosion limit / Upper bility limit	:	No data available	9
		explosion limit / Lower bility limit	:	No data available	
	Vapour	pressure	:	No data available	9
	Relative	e vapour density	:	No data available	9
	Density	,	:	No data available	9
	Partition octanol	er solubility n coefficient: n-	:	No data available No data available No data available	9
	-	position temperature			
	Viscosi		•		, ,
		osity, dynamic	:	No data available	9
	Visc	osity, kinematic	:	No data available	9
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance o	r mixture is not classified as oxidizing.
9.2	Other in	formation			
	Flamma	ability (liquids)	:	No data available	9
	Molecu	lar weight	:	No data available	9
	Particle	size	:	No data available	2

### **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

Not classified as a reactivity hazard.

#### **10.2 Chemical stability**

Stable under normal conditions.

#### **10.3 Possibility of hazardous reactions**

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Haza	rdous reactions	dli	May form explosive dust-air mixture during processing, han- dling or other means. Can react with strong oxidizing agents.			
10.4 Cond	litions to avoid					
Cond	itions to avoid		eat, flames and /oid dust forma			
10.5 Incor	npatible materials					
	ials to avoid	: O	xidizing agents			
	rdous decomposition p					
	zardous decomposition	product	s are known.			
SECTION	I 11: Toxicological in	format	tion			
	mation on toxicologica					
Inforn expos	nation on likely routes of sure	Ski Ing	alation in contact jestion e contact			
	<b>e toxicity</b> ful if swallowed.					
<u>Prode</u> Acute	oral toxicity		ute toxicity estinet hod: Calculation	mate: 1,588 mg/kg on method		
Com	oonents:					
	<b>1,2,3,4,10,14b-Hexahyd</b> oral toxicity			<b>2,1-a]pyrido[2,3-c][2]benzazepine:</b> 490 mg/kg		
•• Citric	acid:					
	oral toxicity	: LD	50 (Mouse): 5,4	400 mg/kg		
Acute	dermal toxicity	Me As:		00 mg/kg est Guideline 402 substance or mixture has no acute dermal		
Cellu	lose:					
Acute	oral toxicity	: LD	50 (Rat): > 5,00	00 mg/kg		
Acute	inhalation toxicity	Ex	50 (Rat): > 5.8 posure time: 4 st atmosphere:	h		

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Acute	e dermal toxicity	:	LD50 (Rabbit): >	2,000 mg/kg					
Skin	Skin corrosion/irritation								
Not cl	Not classified based on available information.								
<u>Com</u>	oonents:								
Citric	acid:								
Speci		:	Rabbit						
Metho Resul		:	OECD Test Guid No skin irritation	eline 404					
<b>.</b> .	. , .	•, ,•							
	us eye damage/eye in assified based on ava								
	oonents:	labio							
	acid:								
Speci		:	Rabbit						
Metho	bd	:	OECD Test Guid						
Resul	It	:	Irritation to eyes,	reversing within 21 days					
Resp	iratory or skin sensit	isatic	on						
Skin	sensitisation								
Not cl	assified based on ava	ilable	information.						
-	<b>Respiratory sensitisation</b> Not classified based on available information.								
Germ	cell mutagenicity								
Not cl	assified based on ava	ilable	information.						
Com	oonents:								
<b>(+/-)</b> -1	l,2,3,4,10,14b-Hexahy	/dro-2	2-methylpyrazino	[2,1-a]pyrido[2,3-c][2]benzazepine:					
Geno	toxicity in vitro	:	Test Type: Bacte Result: negative	rial reverse mutation assay (AMES)					
				o mammalian cell gene mutation test nese hamster lung cells					
			Test Type: unsch Test system: mar Result: negative	eduled DNA synthesis assay nmalian cells					
			Test Type: sister Test system: mar Result: negative	chromatid exchange assay nmalian cells					
Geno	toxicity in vivo	:	Test Type: Micro Species: Rat	nucleus test					

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		Cell type: Bo Application R Result: negat	oute: Oral		
Citric	acid:				
Geno	toxicity in vitro	: Test Type: Ba Result: negat	acterial reverse mutation assay (AMES) ive		
		Test Type: in Result: positi	vitro micronucleus test ve		
		Test Type: Ba Result: negat	acterial reverse mutation assay (AMES) ive		
Geno	toxicity in vivo	cytogenetic te Species: Rat Application R	Test Type: Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis) Species: Rat Application Route: Ingestion Result: negative		
Cellu	lose <sup>.</sup>				
	toxicity in vitro	: Test Type: Ba Result: negat	acterial reverse mutation assay (AMES) ive		
		Test Type: In Result: negat	vitro mammalian cell gene mutation test ive		
Geno	toxicity in vivo	cytogenetic a Species: Mou	use oute: Ingestion		
Carci	nogenicity				

### Carcinogenicity

Not classified based on available information.

### Components:

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

Species Application Route Exposure time LOAEL Result Target Organs		Mouse Oral 18 month(s) 200 mg/kg body weight equivocal Liver
Species Application Route Exposure time LOAEL Result	-	Rat Oral 2 Years 20 mg/kg body weight equivocal

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Target	t Organs	: Liver, Thyroid		
<b>Cellul</b> Specie Applic Expos Result	es ation Route ure time	: Rat : Ingestion : 72 weeks : negative		

### **Reproductive toxicity**

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

### Components:

(+/-)-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 Fertility: LOAEL: 15 mg/kg body weight Symptoms: Effect on estrous cycle, Increase of early resorp- tions Result: Animal testing did not show any effects on fertility., Embryotoxic effects and adverse effects on the offspring were detected.
:	Test Type: Development Species: Rat Application Route: Oral Developmental Toxicity: LOAEL: 100 mg/kg body weight Result: Embryotoxic effects and adverse effects on the off- spring were detected., No teratogenic effects
	Test Type: Development Species: Rabbit Application Route: Oral Developmental Toxicity: NOAEL: 40 mg/kg body weight Result: No adverse effects, No teratogenic effects
:	Some evidence of adverse effects on sexual function and fertility, based on animal experiments., Some evidence of adverse effects on development, based on animal experiments.
:	Test Type: One-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: negative
:	Test Type: One-generation reproduction toxicity study

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		Species: Rat Application Route: Ingestion Result: negative
Effec ment	ts on foetal develop-	: Test Type: Fertility/early embryonic development Species: Rat Application Route: Ingestion Result: negative
	<b>Γ - single exposure</b> lassified based on avai	able information
	ponents:	
Citric	c acid:	
Asse	ssment	: May cause respiratory irritation.
	<b>F - repeated exposure</b> cause damage to orgar	s through prolonged or repeated exposure.
Com	ponents:	
	-	dro-2-methylpyrazino[2,1-a]pyrido[2,3-c][2]benzazepine:
	sure routes	: Ingestion
	et Organs ssment	<ul> <li>Nervous system</li> <li>May cause damage to organs through prolonged or repeated exposure.</li> </ul>
Repe	ated dose toxicity	
<u>Com</u>	ponents:	
(+/-)-	1,2,3,4,10,14b-Hexahy	dro-2-methylpyrazino[2,1-a]pyrido[2,3-c][2]benzazepine:
Spec	ies	: Rat
LOAE		: 120 mg/kg
	cation Route sure time	: Oral : 13 Weeks
	et Organs	: Nervous system
Spec		: Dog
LOAE		: 15 mg/kg
	cation Route	: Oral
	sure time et Organs	: 52 Weeks : Nervous system
Symp	otoms	: Tremors
Spec		: Dog
LÖAE		: 20 mg/kg
	cation Route	: Oral
	sure time et Organs	: 13 Weeks : Nervous system, Testis
Symp	otoms	: Tremors

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### Citric acid:

Species NOAEL	:	Rat
NOAEL	:	4,000 mg/kg
LOAEL	:	8,000 mg/kg
Application Route	:	Ingestion
Exposure time	:	10 Days

### Cellulose:

Species NOAEL	:	Rat
NOAEL	:	>= 9,000 mg/kg
Application Route	:	Ingestion
Exposure time	:	90 Days

#### Aspiration toxicity

Not classified based on available information.

### Experience with human exposure

#### **Components:**

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

Ingestion	: Symptoms: Drowsiness, constipation, dry mouth, asthenia, Dizziness, Disorientation	
	Dizziness; Disonentation	

### **SECTION 12: Ecological information**

### 12.1 Toxicity

Components:

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

Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 6.92 mg/l Exposure time: 96 h Method: FDA 4.11
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 19.5 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 5.7 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
		NOEC (Pseudokirchneriella subcapitata (green algae)): 3.2 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to microorganisms	:	EC50 (Natural microorganism): > 1,000 mg/l Exposure time: 3 h

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				Test Type: Respir Method: OECD T	
				NOEC (Natural m Exposure time: 3 Test Type: Respir Method: OECD T	ration inhibition
	Foxicity city)	/ to fish (Chronic tox-	:	NOEC: 3.6 mg/l Exposure time: 3' Species: Pimepha Method: OECD To	ales promelas (fathead minnow)
a		/ to daphnia and other invertebrates (Chron- ity)	:	Exposure time: 2'	magna (Water flea)
 C	Citric a	acid:			
I	Foxicity	/ to fish	:	LC50 (Pimephale Exposure time: 96	s promelas (fathead minnow)): > 100 mg/l 5 h
		/ to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 24	nagna (Water flea)): 1,535 mg/l 4 h
C	Cellulo	ose:			
Т	Foxicity	/ to fish	:	Exposure time: 48	ipes (Japanese medaka)): > 100 mg/l 3 h on data from similar materials
12.2 F	Persis	tence and degradabil	ity		
c	Compo	onents:	-		
	Citric a				
		radability	:	Result: Readily bi Biodegradation: 5 Exposure time: 28 Method: OECD To	97 %
C	Cellulo	ose:			
B	Biodeg	radability	:	Result: Readily bi	odegradable.
12.3 E	Bioaco	cumulative potential			
<u>c</u>	Compo	onents:			
(-	<b>+/-)-1</b> ,2	2,3,4,10,14b-Hexahyd	ro-2	2-methylpyrazino[	2,1-a]pyrido[2,3-c][2]benzazepine:
		umulation	:		nchus mykiss (rainbow trout)

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



## **Mirtazapine Disintegrating Formulation**

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П			Method: OECD T	est Guideline 305
	ion coefficient: n- ol/water	:	log Pow: 2.78	
Citric	acid:			
Partit octan	ion coefficient: n- ol/water	:	log Pow: -1.72	
12.4 Mobi	lity in soil			
Com	oonents:			
(+/-)-′	1,2,3,4,10,14b-Hexahyd	dro-	2-methylpyrazino	[2,1-a]pyrido[2,3-c][2]benzazepine:
Distril menta	bution among environ- al compartments	:	log Koc: 4.48	
12.5 Resu	lts of PBT and vPvB a	sse	ssment	
Prod	uct:			
Asses	ssment	:	to be either persis	nixture contains no components considered stent, bioaccumulative and toxic (PBT), or nd very bioaccumulative (vPvB) at levels of
12.6 Othe	r adverse effects			
Prod	uct:			
Endo tial	crine disrupting poten-	:	ered to have end	nixture does not contain components consid- ocrine disrupting properties for environment REACH Article 57(f).
SECTION	13: Disposal consi	der	ations	
13 1 Waet	e treatment methods			
Produ		:		ordance with local regulations. European Waste Catalogue, Waste Codes

Trouder	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in
Contaminated packaging	<ul> <li>discussion with the waste disposal authorities.</li> <li>Do not dispose of waste into sewer.</li> <li>Empty containers should be taken to an approved waste han- dling site for recycling or disposal.</li> <li>If not otherwise specified: Dispose of as unused product.</li> </ul>

### **SECTION 14: Transport information**

ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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RID		: Not regulated as a dangerous good	
IMDG		: Not regulated as a dangerous good	
ΙΑΤΑ		: Not regulated as a dangerous good	
14.2 UN p	roper shipping name		
ADN		: Not regulated as a dangerous good	
ADR		: Not regulated as a dangerous good	
RID		: Not regulated as a dangerous good	
IMDG		: Not regulated as a dangerous good	
IATA		: Not regulated as a dangerous good	
	sport hazard class(es		
ADN		: Not regulated as a dangerous good	
ADR		: Not regulated as a dangerous good	
RID		: Not regulated as a dangerous good	
IMDG		: Not regulated as a dangerous good	
IATA		: Not regulated as a dangerous good	
14.4 Pack	ing group		
	ing group		
		: Not regulated as a dangerous good	
		: Not regulated as a dangerous good	
RID IMDG		: Not regulated as a dangerous good	
		: Not regulated as a dangerous good	
	(Cargo)	: Not regulated as a dangerous good	
	(Passenger) onmental hazards	: Not regulated as a dangerous good	
	egulated as a dangerou	good	
-	ial precautions for us	r	
14.7 Trans	sport in bulk accordir	to Annex II of Marpol and the IBC Code	
Rema	ırks	: Not applicable for product as supplied.	

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17)	:	Not applicable
UK REACH Candidate list of substances of very high	:	Not applicable
concern (SVHC) for Authorisation		

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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	Persistent Organic Poll lation (EU) 2019/1021	5		Not applicable	
Regu	lation (EC) No 1005/20 the ozone layer	009 on substances that	at de- :	Not applicable	
UK R	EACH List of substance ex XIV)	ces subject to authoris	ation :	Not applicable	
	xport and import of ha ned Consent (PIC) Re		Prior :	Not applicable	
Cont	rol of Major Accident H	azards Regulations 20 Not applicable	)15 (COMA	\H)	

Not applicable

#### Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

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

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

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

#### **SECTION 16: Other information**

Other information	:	Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.
Full text of H-Statements		
H302	:	Harmful if swallowed.
H319	:	Causes serious eye irritation.
H335	:	May cause respiratory irritation.
H361fd	:	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	:	May cause damage to organs through prolonged or repeated exposure if swallowed.
H411	:	Toxic to aquatic life with long lasting effects.
Full text of other abbreviation	ns	
Acute Tox.	:	Acute toxicity
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Irrit.	:	Eye irritation
Repr.	:	Reproductive toxicity

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	r SE	: Specific target : UK. EH40 WEL : Long-term expo	organ toxicity - repeated exposure organ toxicity - single exposure Workplace Exposure Limits osure limit (8-hour TWA reference period) osure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA -European Chemicals Agency; EC-Number - European Community number; 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; 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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI -Thailand Existing Chemicals Inventory; 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

#### Further information

Sources of key data used to compile the Safety Data 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/

**Classification procedure:** 

#### **Classification of the mixture:**

	•
H302	Calculation method
H361fd	Calculation method
H373	Calculation method
H412	Calculation method
	H361fd H373



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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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