

## **Aprepitant Formulation**

Version 3.2	Revision Date: 24.01.2024		S Number: 619-00027	Date of last issue: 26.09.2023 Date of first issue: 09.10.2014
SECTION	N 1: Identification of	the	substance/mix	ture and of the company/undertaking
1.1 Produ	ict identifier			
Trade	e name	:	Aprepitant Form	ulation
1.2 Releva	ant identified uses of	the s	ubstance or mix	ture and uses advised against
	of the Sub- ce/Mixture	:	Pharmaceutical	
Reco on us	mmended restrictions e	:	Not applicable	
1.3 Detail	s of the supplier of th	e safe	ety data sheet	
Com	bany	:	MSD 117 16th Road 1685 Halfway h	ouse, Midrand, South Africa
Telep	bhone	:	+27 11 655 300	0
	il address of person onsible for the SDS	:	EHSDATASTEV	VARD@msd.com
1.4 Emerg	gency telephone num	ber		
+1-90	08-423-6000			
SECTION	N 2: Hazards identif	icatio	on	

### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Specific target organ toxicity - repeated exposure, Category 2 Long-term (chronic) aquatic hazard, Category 1

H373: May cause damage to organs through prolonged or repeated exposure. H410: Very toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:	
Signal word	:	Warning
Hazard statements	:	<ul><li>H373 May cause damage to organs through prolonged or repeated exposure.</li><li>H410 Very toxic to aquatic life with long lasting effects.</li></ul>



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Preca	utionary statements		<b>on:</b> To not breathe dust. void release to the environment.
		Respons	e:
			Set medical advice/ attention if you feel unwell.

Hazardous components which must be listed on the label:

Aprepitant

#### 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. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Aprepitant	170729-80-3	STOT RE 2; H373 (Prostate, Testis) Aquatic Chronic 1; H410 M-Factor (Chronic aquatic toxicity): 1	>= 30 - < 50

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.



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			Get medical atte	ention if symptoms occur.		
In cas	se of skin contact	:	Wash with wate Get medical atte	r and soap. ention if symptoms occur.		
In cas	se of eye contact	:		If in eyes, rinse well with water. Get medical attention if irritation develops and persists.		
lf swa	allowed	:	Get medical att	D NOT induce vomiting. ention if symptoms occur. proughly with water.		
1.2 Most i	mportant symptoms a	nd e	effects, both acu	ite and delayed		
Risks		:	May cause dam exposure.	age to organs through prolonged or repeated		
			Contact with du the skin.	st can cause mechanical irritation or drying of		
			Dust contact wi	th the eyes can lead to mechanical irritation.		
.3 Indica	tion of any immediate	meo	lical attention a	nd special treatment needed		
Treati	-	:		atically and supportively.		
5.1 Exting	I 5: Firefighting meas					
5.1 Exting		sur :	Water spray Alcohol-resistar Carbon dioxide Dry chemical			
5 <b>.1 Exting</b> Suitat	<b>Juishing media</b> ble extinguishing media itable extinguishing	:	Water spray Alcohol-resistar Carbon dioxide			
5 <b>.1 Exting</b> Suitat Unsui media	Juishing media ble extinguishing media itable extinguishing	:	Water spray Alcohol-resistar Carbon dioxide Dry chemical None known.	(CO2)		
5.1 Exting Suitat Unsui media 5.2 Specia	Juishing media ble extinguishing media itable extinguishing a a hazards arising from	:	Water spray Alcohol-resistar Carbon dioxide Dry chemical None known. e substance or r Avoid generatin concentrations, potential dust e	(CO2) nixture g dust; fine dust dispersed in air in sufficient and in the presence of an ignition source is a xplosion hazard.		
5.1 Exting Suitat Unsui media 5.2 Specia Speci fightin	Juishing media ble extinguishing media itable extinguishing a a hazards arising from	:	Water spray Alcohol-resistar Carbon dioxide Dry chemical None known. e substance or r Avoid generatin concentrations, potential dust e	(CO2) nixture g dust; fine dust dispersed in air in sufficient and in the presence of an ignition source is a xplosion hazard. nbustion products may be a hazard to health. unds		
5.1 Exting Suitat Unsui media 5.2 Specia Speci fightin Hazar ucts	Juishing media ble extinguishing media itable extinguishing a al hazards arising from fic hazards during fire-	: : : :	Water spray Alcohol-resistar Carbon dioxide Dry chemical None known. <b>substance or r</b> Avoid generatin concentrations, potential dust e Exposure to con Carbon oxides Fluorine compo	(CO2) nixture g dust; fine dust dispersed in air in sufficient and in the presence of an ignition source is a xplosion hazard. nbustion products may be a hazard to health. unds		
5.1 Exting Suital Unsui media 5.2 Specia Speci fightin Hazar ucts 5.3 Advice Speci	Juishing media ble extinguishing media itable extinguishing a al hazards arising from fic hazards during fire- ng	: : :	Water spray Alcohol-resistar Carbon dioxide Dry chemical None known. e substance or r Avoid generatin concentrations, potential dust e Exposure to con Carbon oxides Fluorine compo Nitrogen oxides	(CO2) nixture g dust; fine dust dispersed in air in sufficient and in the presence of an ignition source is a xplosion hazard. nbustion products may be a hazard to health. unds		
5.1 Exting Suitat Unsui media 5.2 Specia Speci fightin Hazar ucts 5.3 Advice Speci for fire	Juishing media ble extinguishing media itable extinguishing a al hazards arising from fic hazards during fire- ng rdous combustion prod-	: : :	Water spray Alcohol-resistar Carbon dioxide Dry chemical None known. <b>substance or r</b> Avoid generatin concentrations, potential dust e Exposure to con Carbon oxides Fluorine compo Nitrogen oxides In the event of f Use personal p Use extinguishi	(CO2) <b>nixture</b> g dust; fine dust dispersed in air in sufficient and in the presence of an ignition source is a xplosion hazard. nbustion products may be a hazard to health unds (NOx) ire, wear self-contained breathing apparatus.		



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			spray to cool unopened containers. Idamaged containers from fire area if it is safe to do Irea.
SECTION	N 6: Accidental relea	se measures	
6.1 Perso	nal precautions, prote	ctive equipmen	t and emergency procedures
Perso	onal precautions	Follow safe	hal protective equipment. handling advice (see section 7) and personal pro- ipment recommendations (see section 8).
6.2 Enviro	onmental precautions		
Envir	onmental precautions	Prevent fur Retain and	se to the environment. ther leakage or spillage if safe to do so. dispose of contaminated wash water. prities should be advised if significant spillages contained.
6.3 Metho	ods and material for co	ontainment and	cleaning up
Meth	ods for cleaning up	tainer for d Avoid dispo with compr Dust depos es, as thes leased into Local or na posal of thi employed i mine which Sections 1	ersal of dust in the air (i.e., clearing dust surfaces
	ence to other sections ons: 7, 8, 11, 12 and 13		

## **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

Technical measures	:	Static electricity may accumulate and ignite suspended dust causing an explosion. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
Local/Total ventilation Advice on safe handling	:	Use only with adequate ventilation. Do not breathe dust. Do not swallow. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as-



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н	Hygiene measures		:	Keep container c Keep away from Take precautiona Take care to prevent environment. If exposure to che flushing systems place. When usin nated clothing be The effective ope engineering contra appropriate dego	eration of a facility should include review of rols, proper personal protective equipment, wning and decontamination procedures, e monitoring, medical surveillance and the
7.2 Co	onditi	ons for safe storage,	inc	luding any incom	patibilities
	•	ements for storage and containers	:	Keep in properly the particular nat	labelled containers. Store in accordance with ional regulations.
A	Advice	on common storage	:	Do not store with Strong oxidizing	the following product types: agents
-		<b>c end use(s)</b> c use(s)	:	No data available	9

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

#### 8.1 Control parameters

#### **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis		
Sucrose	57-50-1	OEL-RL	10 mg/m3	ZA OEL		
	Further information: Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents					
Aprepitant	170729-80- 3	TWA	0.2 mg/m3 (OEB 2)	Internal		
Cellulose	9004-34-6	OEL-RL	10 mg/m3	ZA OEL		
	Further information: Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents					

#### 8.2 Exposure controls

#### Engineering measures

Use feasible engineering controls to minimize exposure to compound. All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment.

#### Personal protective equipment

Eye/face protection : Wear safety glasses with side shields or goggles.



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		mists or ae Wear a fac	environment or activity involves dusty conditions, rosols, wear the appropriate goggles. eshield or other full face protection if there is a r direct contact to the face with dusts, mists, or		
	protection	<b>.</b>			
M	aterial	: Chemical-re	esistant gloves		
Skin a	and body protection	: Work unifor	m or laboratory coat.		
Respiratory protection		: If adequate local exhaust ventilation is not available or expo sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection.			
Fi	ter 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 coloured odourless 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
Evaporation rate	:	No data available
Flammability (solid, gas)	:	May form explosive dust-air mixture during processing, han- dling or other means.
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	No data available
Solubility(ies) Water solubility Partition coefficient: n- octanol/water	:	No data available No data available
Auto-ignition temperature	:	No data available



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	Viscosi	position temperature ty cosity, kinematic	:	No data available No data available	-
	•	ve properties	:	Not explosive The substance o	r mixture is not classified as oxidizing.
9.2 (	9.2 Other information Flammability (liquids)		:	No data available	
		lar weight m ignition energy	:	No data available < 3 mJ	9
	Particle	esize	:	No data available	e

## **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

Hazardous reactions	<ul> <li>May form explosive dust-air mixture during processing, han- dling or other means.</li> <li>Can react with strong oxidizing agents.</li> </ul>
10.4 Conditions to avoid	
Conditions to avoid	: Heat, flames and sparks. Avoid dust formation.
10.5 Incompatible materials	
Materials to avoid	: Oxidizing agents
10.6 Hazardous decomposition	products

No hazardous decomposition products are known.

#### **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects

Information on likely routes of	:	Inhalation
exposure		Skin contact
		Ingestion
		Eye contact



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Not	<b>Acute toxicity</b> Not classified based on available information. <b>Components:</b>							
	repitant:							
-	Acute oral toxicity		LD50 (Rat): > 2.0	00 mg/kg				
			LD50 (Mouse): > 2	2.000 mg/kg				
	ute toxicity (other routes of ninistration)	:	LD50 (Rat): 800 - Application Route					
			LD50 (Mouse): > Application Route					
•	n corrosion/irritation	ble	information.					
<u>Co</u>	mponents:							
Spe	r <b>epitant:</b> ecies thod sult	:	Rabbit Draize Test No skin irritation					
	<b>ious eye damage/eye irri</b> classified based on availa							
<u>Co</u>	mponents:							
Spe	r <b>epitant:</b> ecies thod sult	:	Rabbit Draize Test No eye irritation					
Res	spiratory or skin sensitis	atic	on					
	n sensitisation classified based on availa	ble	information.					
	spiratory sensitisation classified based on availa	ble	information.					
<u>Co</u>	mponents:							
Арі	repitant:							

Remarks

: No data available

### Germ cell mutagenicity

Not classified based on available information.

#### Components:

#### Aprepitant:



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sion	Revision Date: 24.01.2024	SDS Number: 20619-00027	Date of last issue: 26.09.2023 Date of first issue: 09.10.2014
Geno	toxicity in vitro	: Test Type: An Result: negati	
		Test Type: Ch	romosomal aberration
			Chinese hamster ovary cells
			aline elution assay at hepatocytes ve
		Test Type: in Test system: I Result: negati	numan lymphoblastoid cells
Geno	toxicity in vivo	Species: Mou Application Ro	
Carci	nogenicity	Result: negati	
	<b>nogenicity</b> lassified based on av	-	
Not c	0,	-	
Not cl <u>Com</u>	lassified based on av	-	
Not cl <u>Comp</u> Aprej Speci	lassified based on av ponents: pitant: jes	vailable information.	
Not cl Com Apre Speci Applic	lassified based on av <u>ponents:</u> pitant: les cation Route	vailable information. : Mouse, male : Oral	
Not cl <u>Comp</u> Aprep Speci Applic Expos	lassified based on av <u>ponents:</u> pitant: les cation Route sure time	vailable information. : Mouse, male : Oral : 106 weeks	ve
Not cl <u>Comp</u> Aprep Speci Applic Expose Dose	lassified based on av <u>ponents:</u> pitant: les cation Route sure time	vailable information. : Mouse, male : Oral : 106 weeks : >=1000 mg/kg	ve
Not cl <u>Comp</u> Aprep Speci Applic Expos	lassified based on av <u>ponents:</u> pitant: les cation Route sure time It	vailable information. : Mouse, male : Oral : 106 weeks : >=1000 mg/kg : positive	y body weight
Not cl <u>Comj</u> Speci Applic Expos Dose Resul Rema	lassified based on av <u>ponents:</u> pitant: les cation Route sure time It arks	vailable information. : Mouse, male : Oral : 106 weeks : >=1000 mg/kg : positive : The mechanis	ve 9 body weight m or mode of action is not relevant in human
Not cl Comj Aprej Speci Applic Expos Dose Resul Rema Speci	lassified based on av <u>ponents:</u> pitant: les cation Route sure time It arks	vailable information. : Mouse, male : Oral : 106 weeks : >=1000 mg/kg : positive : The mechanis : Mouse, female	ve 9 body weight m or mode of action is not relevant in human
Not cl Comj Aprej Speci Applic Expos Dose Resul Rema Speci Applic	lassified based on av <u>ponents:</u> pitant: les cation Route sure time It arks les cation Route	vailable information. : Mouse, male : Oral : 106 weeks : >=1000 mg/kg : positive : The mechanis : Mouse, female : Oral	ve 9 body weight m or mode of action is not relevant in human
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Not cl Comj Speci Applic Expos Dose Resul Rema Speci Applic Expos Dose Resul Rema Speci Dose Resul Rema	lassified based on av ponents: pitant: les cation Route sure time lt arks les cation Route sure time lt	<ul> <li>vailable information.</li> <li>Mouse, male</li> <li>Oral</li> <li>106 weeks</li> <li>&gt;=1000 mg/kg</li> <li>positive</li> <li>The mechanis</li> <li>Mouse, female</li> <li>Oral</li> <li>106 weeks</li> <li>&gt;= 500 mg/kg</li> <li>positive</li> </ul>	y body weight m or mode of action is not relevant in human
Not cl <u>Comj</u> Speci Applic Expos Dose Resul Rema Speci Applic Expos Dose Resul Rema Speci Speci Speci Applic Expos Dose Resul Rema Speci Spe	lassified based on av ponents: pitant: les cation Route sure time lt arks cation Route sure time lt arks lt arks lt arks lt arks	<ul> <li>vailable information.</li> <li>Mouse, male</li> <li>Oral</li> <li>106 weeks</li> <li>&gt;=1000 mg/kg</li> <li>positive</li> <li>The mechanis</li> <li>Mouse, female</li> <li>Oral</li> <li>106 weeks</li> <li>&gt;= 500 mg/kg</li> <li>positive</li> </ul>	y body weight m or mode of action is not relevant in human e body weight
Not cl <u>Comj</u> Speci Applic Expos Dose Resul Rema Speci Applic Expos Dose Resul Rema Speci Applic	lassified based on av <u>ponents:</u> pitant: jes cation Route sure time lt arks jes cation Route sure time lt arks jes cation Route sure time	<ul> <li>vailable information.</li> <li>Mouse, male</li> <li>Oral</li> <li>106 weeks</li> <li>&gt;=1000 mg/kg</li> <li>positive</li> <li>The mechanis</li> <li>Mouse, female</li> <li>Oral</li> <li>106 weeks</li> <li>&gt;= 500 mg/kg</li> <li>positive</li> <li>The mechanis</li> <li>Mouse</li> <li>Cral</li> <li>Solo mg/kg</li> <li>Cral</li> <li>The mechanis</li> </ul>	y body weight m or mode of action is not relevant in human e body weight
Not cl Comj Speci Applic Expos Dose Resul Rema Speci Applic Expos Dose Resul Rema Speci Applic Expos Dose Resul Rema Speci Applic Expos Dose Resul Rema Speci Applic Expos Dose Resul Rema Speci Applic Expos Dose Resul Rema Speci Applic Expos Dose Resul Rema Speci Applic Expos Dose Resul Rema Speci Applic Expos Dose Resul Rema Speci Applic Expos Dose Resul Rema	lassified based on av ponents: pitant: les cation Route sure time lt arks les cation Route sure time lt arks les cation Route sure time	<ul> <li>vailable information.</li> <li>Mouse, male</li> <li>Oral</li> <li>106 weeks</li> <li>&gt;=1000 mg/kg</li> <li>positive</li> <li>The mechanis</li> <li>Mouse, female</li> <li>Oral</li> <li>106 weeks</li> <li>&gt;= 500 mg/kg</li> <li>positive</li> <li>The mechanis</li> <li>Mouse</li> <li>coral</li> <li>106 weeks</li> <li>&gt;= 500 mg/kg</li> <li>positive</li> <li>The mechanis</li> <li>Mouse</li> <li>Mouse</li> <li>Oral</li> <li>105 weeks</li> </ul>	y body weight m or mode of action is not relevant in human e body weight m or mode of action is not relevant in human
Not cl Comj Speci Applic Expos Dose Resul Rema Speci Applic Expos Dose Resul Rema Speci Applic Expos Dose Resul Rema Speci Applic Expos Dose Resul Rema Speci Applic Expos Dose Resul Rema Speci Applic Expos Dose Resul Rema Speci Dose Resul Rema Speci Dose Resul Rema Speci Dose Resul Rema Speci Dose Resul Rema Speci Dose Resul Rema Speci Dose Resul Rema Speci Dose Resul Rema Speci Dose Resul Rema Speci Dose Resul Rema Speci Dose Resul Rema Speci Dose Resul Rema Speci Dose Resul Rema Speci Dose Resul Rema Speci Dose Resul Rema Speci Dose Resul Rema Speci Dose Resul Rema Speci Dose Resul Rema	lassified based on av ponents: pitant: les cation Route sure time lt arks les cation Route sure time lt arks les cation Route sure time	<ul> <li>vailable information.</li> <li>Mouse, male</li> <li>Oral</li> <li>106 weeks</li> <li>&gt;=1000 mg/kg</li> <li>positive</li> <li>The mechanis</li> <li>Mouse, female</li> <li>Oral</li> <li>106 weeks</li> <li>&gt;= 500 mg/kg</li> <li>positive</li> <li>The mechanis</li> <li>Mouse</li> <li>oral</li> <li>105 weeks</li> <li>2000 mg/kg be</li> </ul>	y body weight m or mode of action is not relevant in human e body weight m or mode of action is not relevant in human
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Not classified based on available information.

### Components:

#### Aprepitant:

Effects on fertility

: Test Type: Fertility



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				Species: Rat, mal Fertility: NOAEL: Result: No effects	2.000 mg/kg body weight		
	Effects on foetal develop- ment		:	: Test Type: Development Species: Rat Application Route: Oral Developmental Toxicity: NOAEL: 2.000 mg/kg body v Result: No effects on foetal development			
				Test Type: Development Species: Rabbit Application Route: Oral Developmental Toxicity: NOAEL: 25 mg/kg body weight Result: No effects on foetal development			
		single exposure ssified based on availa	ıble	information.			
		repeated exposure use damage to organs	; thre	ough prolonged or	repeated exposure.		
<u>(</u>	Components: Aprepitant: Target Organs Assessment Repeated dose toxicity						
1							
			<ul> <li>Prostate, Testis</li> <li>May cause damage to organs through prolonged or repeated exposure.</li> </ul>				
F							
<u>(</u>	Compo	onents:					
A	Aprepi	tant:					
	Species LOAEL	3	:	Dog			
		tion Route	÷	>= 50 mg/kg Oral			
E	Exposu	re time	:	39 Weeks			
I	larget	Organs	:	Prostate, Testis			
	Species		:	Rat			
	NOAEL Applica	tion Route	÷	125 mg/kg Oral			
		re time	÷	27 Weeks			
T	Target	Organs	:	Liver, Thyroid			
	Species		:	Monkey			
		tion Route	÷	0,240 mg/kg Intravenous			
		re time	÷	7 d			
	Remark		:	No significant adv	verse effects were reported		
	Species	3	:	Rat, female			
		tion Pouto	:	125 mg/kg Oral			
F	нриса	tion Route	•	Oral			



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	sure time	: 106 Weeks	
Targe	et Organs	: Kidney	
Aspi	ration toxicity		
Not c	lassified based on ava	ilable information.	
Expe	rience with human e	xposure	
Com	ponents:		
Apre	pitant:		
Inges	tion	, i	eadache, Fatigue, hiccups, constipation, anorex- on change, Rash, Nausea, Diarrhoea, hypoten-

### 12.1 Toxicity

Components:		
Aprepitant:		
Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): > 0,462 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 Remarks: No toxicity at the limit of solubility
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 0,345 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 Remarks: No toxicity at the limit of solubility
Toxicity to algae/aquatic plants	:	NOEC (Pseudokirchneriella subcapitata (green algae)): 0,184 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility
		EC50 (Pseudokirchneriella subcapitata (green algae)): > 0,184 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility
Toxicity to microorganisms	:	EC50 : > 100 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209 Remarks: No toxicity at the limit of solubility
Toxicity to fish (Chronic tox- icity)	:	NOEC: 0,195 mg/l Exposure time: 32 d Species: Pimephales promelas (fathead minnow) Method: OECD Test Guideline 210



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	Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)		:	NOEC: 0,018 mg Exposure time: 2 Species: Daphnia Method: OECD T	1 d a magna (Water flea)
	M-Fact toxicity	or (Chronic aquatic )	:	1	
12.2	Persis	tence and degradabil	ity		
	Compo	onents:			
	<b>Aprepitant:</b> Biodegradability		:	Result: not rapidly Biodegradation: Exposure time: 60 Method: OECD T	50 %
12.3	Bioaco	cumulative potential			
	Compo	onents:			
	Aprepi	itant:			
	Bioaccumulation		:	Bioconcentration	s macrochirus (Bluegill sunfish) factor (BCF): 50,1 rest Guideline 305
	Partition coefficient: n- octanol/water		:	log Pow: 4,75	
12.4	Mobili	ty in soil			
	Compo	onents:			
	Aprepi	itant:			
		ution among environ- compartments	:	log Koc: 3,10	
12.5	i Result	s of PBT and vPvB as	sses	ssment	
	<u>Produc</u>	<u>ct:</u>			
	Assess	sment	:	to be either persis	nixture contains no components considered stent, bioaccumulative and toxic (PBT), or nd very bioaccumulative (vPvB) at levels of
12.6	Other	adverse effects			
	Produce Endocr tial	ct: ine disrupting poten-	:	ered to have end REACH Article 57	ixture does not contain components consid- ocrine disrupting properties according to 7(f) or Commission Delegated regulation or Commission Regulation (EU) 2018/605 at higher.



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## **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Product	:	Dispose of in accordance with local regulations. 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 discussion with the waste disposal authorities.
Contaminated packaging	:	Do not dispose of waste into sewer. Empty containers should be taken to an approved waste han- dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

## **SECTION 14: Transport information**

14.1 UN number					
ADN	:	UN 3077			
ADR	:	UN 3077			
RID	:	UN 3077			
IMDG	:	UN 3077			
ΙΑΤΑ	:	UN 3077			
14.2 UN proper shipping name					
ADN	ADN : E N		Y HAZARDOUS SUBSTANCE, SOLID,		
ADR	:	ENVIRONMENTALLY N.O.S. (Aprepitant)	Y HAZARDOUS SUBSTANCE, SOLID,		
RID	:	ENVIRONMENTALLY N.O.S. (Aprepitant)	Y HAZARDOUS SUBSTANCE, SOLID,		
IMDG		ENVIRONMENTALLY N.O.S. (Aprepitant)	' HAZARDOUS SUBSTANCE, SOLID,		
ΙΑΤΑ	:	Environmentally haza (Aprepitant)	rdous substance, solid, n.o.s.		
14.3 Transport hazard class(es)					
		Class	Subsidiary risks		
ADN	:	9			
ADR	:	9			
RID	:	9			
IMDG	:	9			
ΙΑΤΑ	:	9			



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14.4	14.4 Packing group				
		g group cation Code Identification Number	:	III M7 90 9	
	Hazard Labels	g group cation Code Identification Number restriction code	:	III M7 90 9 (-)	
		g group cation Code Identification Number	:	III M7 90 9	
	IMDG Packing Labels EmS Co		:	III 9 F-A, S-F	
	aircraft)	g instruction (cargo	:	956 Y956 III Miscellaneous	
	Packing ger airc Packing	Passenger) g instruction (passen- raft) g instruction (LQ) g group	:	956 Y956 III Miscellaneous	
14.5 Environmental hazards					
	ADR	mentally hazardous	:	yes	
	RID	mentally hazardous mentally hazardous	:	yes	
	<b>IMDG</b> Marine	pollutant	:	yes	
	IATA (F	Passenger) mentally hazardous	:	yes	
	IATA (( Environ	Cargo) mentally hazardous	:	yes	



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#### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Remarks

: Not applicable for product as supplied.

#### **SECTION 15: Regulatory information**

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

#### 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					
H373 :	May cause damage to organs through prolonged or repeated exposure if swallowed.				
H410 :	Very toxic to aquatic life with long lasting effects.				
Full text of other abbreviations	S				
Aquatic Chronic :	Long-term (chronic) aquatic hazard				
STOT RE :	Specific target organ toxicity - repeated exposure				
ZA OEL :	South Africa. The Regulations for Hazardous Chemical Agents, Occupational Exposure Limits				
ZA OEL / OEL-RL :	Occupational Exposure Limit Restricted limit - 8- hour expo- sure or equivalent (12 hour shifts)				

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 La-



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boratory 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	:	Internal technical data, data from raw material SDSs, OECD
compile the Safety Data Sheet		eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/
Sheet		cy, mp.//echa.eu/opa.eu/

Classification of the mixtur	Classification procedure:	
STOT RE 2	H373	Calculation method
Aquatic Chronic 1	H410	Calculation method

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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