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

1.1	Product identifier Trade name	:	Asenapine 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	safe	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)

H301: Toxic if swallowed. H332: Harmful if inhaled. H361fd: Suspected of damaging fertility. Suspected of damaging the unborn child.
H370: Causes damage to organs.
H372: Causes damage to organs through pro- longed or repeated exposure.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

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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)

Hazard pictograms	:	A	
Signal word	:	Danger	• •
Hazard statements	:	H301 H332 H361fd H370 H372 H410	Toxic if swallowed. Harmful if inhaled. Suspected of damaging fertility. Suspected of damaging the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.
Precautionary statements	:	Prevention	:
		P260	Do not breathe dust.
		P273 P280	Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection.
		Response:	
		P301 + P31	0 + P330 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.
		P308 + P31	1 IF exposed or concerned: Call a POISON CENTER/ doctor.
		P391	Collect spillage.

Hazardous components which must be listed on the label:

trans-5-Chloro-2,3,3a,12b-tetrahydro-2-methyl-1H-dibenz[2,3:6,7]oxepino[4,5-c]pyrrole maleate

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 Concentra
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		EC-No.	(% w/w)

			(/*,)
	Index-No.		
	Registration number		
trans-5-Chloro-2,3,3a,12b-tetrahydro- 2-methyl-1H- dibenz[2,3:6,7]oxepino[4,5-c]pyrrole maleate	85650-56-2 288-064-8	Acute Tox. 3; H301 Acute Tox. 3; H331 Repr. 2; H361fd STOT SE 1; H370 (Central nervous system, Cardio- vascular system) STOT RE 1; H372 (Central nervous system) Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 100	>= 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. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. 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.

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			Get medical atter	ntion if irritation develops and persists.
lf swa	allowed	:	Call a physician of Rinse mouth thore	NOT induce vomiting. or poison control centre immediately. oughly with water. ing by mouth to an unconscious person.
4.2 Most i	important symptoms a	nd e	effects, both acute	e and delayed
Risks	5	:	unborn child. Causes damage	I. naging fertility. Suspected of damaging the
			the skin.	can cause mechanical irritation or drying of the eyes can lead to mechanical irritation.
3 Indica	tion of any immediate	med	dical attention and	d special treatment needed
Treat	•	:		ically and supportively.
SECTION	N 5: Firefighting mea	sur	es	
5 1 Extino	guishing media			
-	ble extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (0 Dry chemical	
Unsu	itable extinguishing	:	None known.	

media

5.2 Special hazards arising from the substance or mixture

	Specific hazards during fire- fighting	:	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 combustion prod- ucts	:	Carbon oxides Nitrogen oxides (NOx)
5.3	Advice for firefighters		
	Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
	Specific extinguishing meth-	:	Use extinguishing measures that are appropriate to local cir-

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ods		Use water s	and the surrounding environment. pray to cool unopened containers. Jamaged containers from fire area if it is safe to do ea.
SECTION	N 6: Accidental relea	se measures	
6.1 Perso	nal precautions, prote	ective equipment	and emergency procedures
	onal precautions	: Use persona Follow safe	al protective equipment. handling advice (see section 7) and personal pro- oment recommendations (see section 8).
6.2 Enviro	onmental precautions		
Envir	onmental precautions	Prevent furth Retain and c If spillage er	te to the environment. Ther leakage or spillage if safe to do so. dispose of contaminated wash water. Inters rivers or watercourses, inform the Environ- y (emergency telephone number 0800 807060).
6.3 Metho	ds and material for co	ontainment and c	leaning up
Metho	ods for cleaning up	over the are Add excess Soak up with Avoid disper with compre Dust deposit es, as these leased into t Clean up rer bent. Local or nati posal of this employed in mine which Sections 13	ill with absorbents and place a damp covering a to minimise entry of the material into the air. liquid to allow the material to enter into solution. In inert absorbent material. The sal of dust in the air (i.e., clearing dust surfaces seed air). Its should not be allowed to accumulate on surfac- may form an explosive mixture if they are re- he atmosphere in sufficient concentration. maining materials from spill with suitable absor- onal regulations may apply to releases and dis- material, as well as those materials and items the cleanup of releases. You will need to deter- regulations are applicable. and 15 of this SDS provide information regarding or national requirements.

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

	•		
Technical measures	: Static electricity may accumulate and ignite suspended dus	Statio	d dust
	causing an explosion.	caus	
	Provide adequate precautions, such as electrical grounding	Provi	nding
	and bonding, or inert atmospheres.	and b	

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Local/Total ventilation Advice on safe handling Hygiene measures		 ventilation. Do not breath Do not swallor Avoid contact Avoid prolong Wash skin the Handle in acc practice, base sessment Keep containe Keep away fre Take precauti Do not eat, dr Take care to p environment. 	w. with eyes. ed or repeated contact with skin. proughly after handling. ordance with good industrial hygiene and safety d on the results of the workplace exposure as- er tightly closed. 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			
Ηyς	giene measures	 If exposure to chemical is likely during typical use, provide eyr 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. The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls. 				
7.2 Con	ditions for safe storage,	including any inc	ompatibilities			
	quirements for storage as and containers	tightly closed.	rly labelled containers. Store locked up. Keep Keep in a cool, well-ventilated place. Store in ith the particular national regulations.			
Adv	vice on common storage	Strong oxidizi	substances and mixtures			
-	cific end use(s) ecific use(s)	: No data availa	able			

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

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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
trans-5-Chloro- 2,3,3a,12b- tetrahydro-2- methyl-1H- dibenz[2,3:6,7]oxe pino[4,5-c]pyrrole maleate	85650-56-2	TWA	1 μg/m3 (OEB 4)	Internal
	Further inform	nation: Skin		
		Wipe limit	10 µg/100 cm²	Internal

8.2 Exposure controls

Engineering measures

Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., vacuum conveying from a closed system, packout head with inflatable seal from stationary container, ventilated enclosure, etc.).

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

Essentially no open handling permitted.

Use closed processing systems or containment technologies.

Personal protective equipment

Eye/face protection	:	Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.
Hand protection		
Material	:	Chemical-resistant gloves
Remarks Skin and body protection	:	Consider double gloving. Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing.
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)

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance Colour Odour Odour Threshold	:	powder white to off-white odourless No data available	
рН	:	No data available	
Melting point/freezing point	:	No data available	
Initial boiling point and boiling range	:	No data available	
Flash point	:	Not applicable	
Evaporation rate	:	Not applicable	
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	:	Not applicable	
Relative vapour density	:	Not applicable	
Relative density	:	No data available	
Density	:	No data available	
Solubility(ies) Water solubility Partition coefficient: n- octanol/water	:	No data available Not applicable	
Auto-ignition temperature	:	No data available	
Decomposition temperature	:	No data available	
Viscosity Viscosity, kinematic	:	Not applicable	
Explosive properties	:	Not explosive	
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.	

9.2 Other information

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Flammability (liquids)		: No data availa	able			
Particle size		: No data available				

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	: May form explosive dust-air mixture during processing, han- dling or other means. Can react with strong oxidizing agents.
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

Acute toxicity

Toxic if swallowed. Harmful if inhaled.

Product:

Acute oral toxicity	:	Acute toxicity estimate: 238.4 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: 1.08 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method

Eye contact

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<u>Com</u>	oonents:			
trans leate:		etra	nydro-2-methyl-	1H-dibenz[2,3:6,7]oxepino[4,5-c]pyrrole ma
Acute	oral toxicity	:	LD50 (Rat): 110) - 178 mg/kg
			LD50 (Dog): > 2 Remarks: No m	200 mg/kg nortality observed at this dose.
Acute	inhalation toxicity	:	LC50 (Rat): 0.5 Exposure time: Test atmosphere	1 h
	toxicity (other routes o histration)	f:	Application Rou Target Organs:	
Skin	corrosion/irritation			
Not cl	assified based on avail	able	information.	
<u>Com</u>	oonents:			
trans leate:		etra	nydro-2-methyl-	1H-dibenz[2,3:6,7]oxepino[4,5-c]pyrrole ma
Rema	urks	:	No data availab	le
	us eye damage/eye ir assified based on avail			
<u>Com</u>	oonents:			
trans leate:		etra	nydro-2-methyl-	1H-dibenz[2,3:6,7]oxepino[4,5-c]pyrrole ma
Rema	urks	:	No data availab	le
Resp	iratory or skin sensiti	satio	n	
-				

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

trans-5-Chloro-2,3,3a,12b-tetrahydro-2-methyl-1H-dibenz[2,3:6,7]oxepino[4,5-c]pyrrole maleate:

Species	:	Guinea pig
Result	:	Not a skin sensitizer.

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Germ cell mutagenicity

Not classified based on available information.

Components:

trans-5-Chloro-2,3,3a,12b-tetrahydro-2-methyl-1H-dibenz[2,3:6,7]oxepino[4,5-c]pyrrole ma-
leate:

Genotoxicity in vitro :	Test Type: Bacterial reverse mutation assay (AMES) Result: negative
	Test Type: Mouse Lymphoma Result: negative
	Test Type: sister chromatid exchange assay Result: negative
	Test Type: Chromosomal aberration Test system: Human lymphocytes Result: negative
Genotoxicity in vivo :	Test Type: Micronucleus test Species: Rat Application Route: Oral Result: negative

Carcinogenicity

Not classified based on available information.

Components:

trans-5-Chloro-2,3,3a,12b-tetrahydro-2-methyl-1H-dibenz[2,3:6,7]oxepino[4,5-c]pyrrole ma-
leate:

Species	: Mouse
Application Route	: Subcutaneous
Exposure time	: 89 - 98 weeks
Result	: negative
Species	: Rat
Application Route	: Subcutaneous
Application Route Exposure time	: Subcutaneous : 100 - 106 weeks

Reproductive toxicity

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

Components:

trans-5-Chloro-2,3,3a,12b-tetrahydro-2-methyl-1H-dibenz[2,3:6,7]oxepino[4,5-c]pyrrole ma-							
leate:							
			-				

Effects on fertility	: Test Type: One-generation reproduction toxicity study
-	Species: Rat
	Application Route: Oral
	Fertility: LOAEL: 1.0 mg/kg body weight

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Effects on foetal develop- ment		offspri	ced maternal body weight gain, Reduced gain, Effects on fertility, Effects on F1 off- xic effects and adverse effects on the off- cted.	
		: Test Type: Embryo-foetal development Species: Rabbit Application Route: Oral Developmental Toxicity: LOAEL: 30 mg/kg body weig Result: Embryotoxic effects and adverse effects on t spring were detected only at high maternally toxic do teratogenic effects		
		Specie Applic Devel	es: Rabbit ation Route opmental T	vo-foetal development e: Intravenous injection oxicity: NOAEL: 0.626 mg/kg body weight genic effects
Repro sessr	oductive toxicity - As- nent	fertility	, based on se effects o	f adverse effects on sexual function and animal experiments., Some evidence of n development, based on animal experi-

STOT - single exposure

Causes damage to organs.

Components:

trans-5-Chloro-2,3,3a,12b-tetrahydro-2-methyl-1H-dibenz[2,3:6,7]oxepino[4,5-c]pyrrole maleate:

Exposure routes	:	Oral
Target Organs	:	Central nervous system, Cardio-vascular system
Assessment	:	Causes damage to organs.

STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Components:

trans-5-Chloro-2,3,3a,12b-tetrahydro-2-methyl-1H-dibenz[2,3:6,7]oxepino[4,5-c]pyrrole ma-
leate:

Exposure routes	:	Ingestion
Target Organs	:	Central nervous system
Assessment	:	Causes damage to organs through prolonged or repeated
		exposure.

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Repeated dose toxicity

Components:

trans-5-Chloro-2,3,3a,12b-tetrahydro-2-methyl-1H-dibenz[2,3:6,7]oxepino[4,5-c]pyrrole maleate:

Species LOAEL Application Route Exposure time Target Organs Symptoms	 Rat 0.6 mg/kg Oral 52 Weeks Central nervous system constriction of pupils
Species LOAEL Application Route Exposure time Symptoms	 Rat 0.1 mg/kg Intravenous 14 Weeks constriction of pupils, Lachrymation
Species LOAEL Application Route Exposure time Target Organs	 Rat 0.5 mg/kg Subcutaneous 13 Weeks Central nervous system
Species LOAEL Application Route Exposure time Target Organs Symptoms	 Dog > 1.25 mg/kg Oral 13 - 52 Weeks Central nervous system constriction of pupils, Tremors, Irritability

Aspiration toxicity

Not classified based on available information.

Components:

trans-5-Chloro-2,3,3a,12b-tetrahydro-2-methyl-1H-dibenz[2,3:6,7]oxepino[4,5-c]pyrrole maleate:

Not applicable

Experience with human exposure

Components:

trans-5-Chloro-2,3,3a,12b-tetrahydro-2-methyl-1H-dibenz[2,3:6,7]oxepino[4,5-c]pyrrole maleate:

Ingestion

: Symptoms: restlessness, Drowsiness, Dizziness, decrease in heart rate, hypotension

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SECTION 12: Ecological information

12.1 Toxicity

Components:

Toxicity to fish		LC50 (Cyprinus carpio (Carp)): 0.53 mg/l
	•	Exposure time: 96 h
		Method: OECD Test Guideline 203
Toxicity to algae/aquatic	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 0.27
plants		mg/l
		Exposure time: 72 h Method: OECD Test Guideline 201
		Method: OECD Test Guideline 201
		NOEC (Pseudokirchneriella subcapitata (green algae)): 0.0 mg/l
		Exposure time: 72 h
		Method: OECD Test Guideline 201
M-Factor (Acute aquatic tox-	:	1
icity)		
Toxicity to microorganisms	:	EC50 : 37 mg/l
		Exposure time: 3 h
		Test Type: Respiration inhibition
		Method: OECD Test Guideline 209
		NOEC : 10 mg/l
		Exposure time: 3 h
		Test Type: Respiration inhibition Method: OECD Test Guideline 209
		Method. OLOD Test Guideline 209
Toxicity to fish (Chronic tox-	:	NOEC: 0.04 mg/l
icity)		Exposure time: 21 d Species: Pimephales promelas (fathead minnow)
		Species. Filmephales prometas (lathead minnow)
Toxicity to daphnia and other	:	NOEC: 0.00086 mg/l
aquatic invertebrates (Chron-		Exposure time: 21 d
ic toxicity)		Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211
M-Factor (Chronic aquatic	:	100
toxicity)		
Persistence and degradabilit	ty	
No data available		

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12.3 Bioaccumulative potential

Components:

trans-5-Chloro-2,3,3a,12b-tetrahydro-2-methyl-1H-dibenz[2,3:6,7]oxepino[4,5-c]pyrrole ma-						
leate:						
			-			

oaccumulation :		Species: Cyprinus carpio (Carp) Bioconcentration factor (BCF): 2,424	
Partition coefficient: n-	:	log Pow: 4.9	

Partition coefficient: noctanol/water

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment	 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.

12.6 Other adverse effects

Product:

Endocrine disrupting poten-	:	This substance/mixture does not contain components consid-
tial		ered to have endocrine disrupting properties for environment
		according to UK REACH Article 57(f).

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. Do not dispose of waste into sewer.
Contaminated packaging :	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 2811
ADR	:	UN 2811
RID	:	UN 2811

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IMD	G	:	UN 2811			
IATA		:	UN 2811			
ן 14.2 UN	proper shipping name					
ADN	I	:	(trans-5-Chloro-	ORGANIC, N.O.S. 2,3,3a,12b-tetrahydro-2-methyl-1H- xepino[4,5-c]pyrrole maleate)		
ADR	ł	:	TOXIC SOLID, ORGANIC, N.O.S. (trans-5-Chloro-2,3,3a,12b-tetrahydro-2-methyl-1H- dibenz[2,3:6,7]oxepino[4,5-c]pyrrole maleate)			
RID		:	TOXIC SOLID, ORGANIC, N.O.S. (trans-5-Chloro-2,3,3a,12b-tetrahydro-2-methyl-1H- dibenz[2,3:6,7]oxepino[4,5-c]pyrrole maleate)			
IMD	G	:	TOXIC SOLID, ORGANIC, N.O.S. (trans-5-Chloro-2,3,3a,12b-tetrahydro-2-methyl-1H- dibenz[2,3:6,7]oxepino[4,5-c]pyrrole maleate)			
ΙΑΤΑ	A	:	Toxic solid, organic, n.o.s. (trans-5-Chloro-2,3,3a,12b-tetrahydro-2-methyl-1H- dibenz[2,3:6,7]oxepino[4,5-c]pyrrole maleate)			
14.3 Trar	nsport hazard class(es)					
			Class	Subsidiary risks		
ADN	l	:	6.1			
ADR	ł	:	6.1			
RID		:	6.1			
IMD	G	:	6.1			
ΙΑΤΑ	A	:	6.1			
14.4 Pac	king group					
ADN Pack Clas	I king group sification Code ard Identification Number	: : :	III T2 60 6.1			
Clas Haza Labe	king group sification Code ard Identification Number	: : : :	III T2 60 6.1 (E)			
Clas	king group sification Code ard Identification Number als	: :	III T2 60 6.1			

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



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IMDG Packing Labels EmS C	g group ode		III 6.1 F-A, S-A	
aircraft Packing	g instruction (cargo	: : : :	677 Y645 III Toxic	
Packing ger airc Packing	Passenger) g instruction (passen- craft) g instruction (LQ) g group	::	670 Y645 III Toxic	
14.5 Enviro	nmental hazards			
ADR	nmentally hazardous	:	yes	
Enviror RID	nmentally hazardous	:	yes	
	nmentally hazardous	:	yes	
IMDG Marine	pollutant	:	yes	

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17) UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation	:	Not applicable Not applicable
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)	:	Not applicable
Regulation (EC) No 1005/2009 on substances that de-	:	Not applicable

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



Asenapine Formulation

Version 4.2	Revision Date: 06.04.2024	SDS Number: 9372791-00007	Date of last issue: Date of first issue:	
UK R (Anne GB E Inform	ex XIV) xport and import of haz ned Consent (PIC) Reg		ior : Not applic	
H3	or or major Accident H	azards Regulations 20 STOT SPECIFIC ORGAN TOXIC SINGLE EXPOS	Quantit C TARGET 50 t ITY –	y 1 Quantity 2 200 t
E1		ENVIRONMEN HAZARDS	TAL 100 t	200 t

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		
H301	:	Toxic if swallowed.
H331	:	Toxic if inhaled.
H361fd	:	Suspected of damaging fertility. Suspected of damaging the unborn child.
H370	:	Causes damage to organs if swallowed.
H372	:	Causes damage to organs through prolonged or repeated exposure if swallowed.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.
Full text of other abbreviation	ons	
Acute Tox.	:	Acute toxicity

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



Asenapine Formulation

Version	Revision Date: 06.04.2024	SDS Number:	Date of last issue: 30.09.2023
4.2		9372791-00007	Date of first issue: 27.08.2021
Aqua Repr. STOT STOT GB E	RE SE	: Long-term (chro : Reproductive to : Specific target of : Specific target of : UK. EH40 WEL	ute) aquatic hazard onic) aquatic hazard oxicity organ toxicity - repeated exposure organ toxicity - single exposure Workplace Exposure Limits osure limit (8-hour TWA 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	:	Internal technical data, data from raw material SDSs, OECD
compile the Safety Data		eChem Portal search results and European Chemicals Agen-
Sheet		cy, http://echa.europa.eu/

Classification of the r	Classification procedure:	
Acute Tox. 3	H301	Calculation method
Acute Tox. 4	H332	Calculation method
Repr. 2	H361fd	Calculation method
STOT SE 1	H370	Calculation method

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Version Revision Date: 4.2 06.04.2024	SDS Number: 9372791-00007	Date of last issue: 30.09.2023 Date of first issue: 27.08.2021	
STOT RE 1	H372	Calculation method	
Aquatic Acute 1	H400	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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