

according to the Globally Harmonized System

Doravirine Formulation

Version 6.0	Revision Date: 06.07.2024		S Number: 283-00023	Date of last issue: 30.09.2023 Date of first issue: 16.02.2015	
4 000		-			
1. PROL	DUCT AND COMPANY IDI		IFICATION		
Pro	oduct name	:	Doravirine Formulation		
Ма	nufacturer or supplier's d	letai	ils		
Co	mpany	:	MSD		
Ado	dress	:	Briahnager - Off Wagholi - Pune -	Pune Nagar Road India 412 207	
Tel	ephone	:	+1-908-740-4000)	
Em	ergency telephone number	• :	+1-908-423-6000)	
E-n	E-mail address		EHSDATASTEW	/ARD@msd.com	
Re	Recommended use of the che Recommended use Restrictions on use		ical and restriction Pharmaceutical Not applicable	ons on use	

2. HAZARDS IDENTIFICATION

Manufacture, Storage and Import of Hazardous Chemicals Rules 1989

Classification

Not classified as hazardous according to criteria laid down in Part I of Schedule-1.

GHS Classification

Short-term (acute) aquatic	:	Category 3
hazard		

GHS label elements

Hazard pictograms Signal word Hazard statements	:	None None H402 Harmful to aquatic life.
Precautionary statements	:	Prevention: P273 Avoid release to the environment.
		Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin.



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May form explosive dust-air mixture during processing, handling or other means.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Cellulose	9004-34-6	>= 20 - < 30
Doravirine	1338225-97-0	>= 10 - < 20
Magnesium stearate	557-04-0	>= 1 - < 5

4. 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.
If inhaled	:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact	:	Wash with water and soap. Get medical attention if symptoms occur.
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 if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed Protection of first-aiders Notes to physician	:	Contact with dust can cause mechanical irritation or drying of the skin. Dust contact with the eyes can lead to mechanical irritation. No special precautions are necessary for first aid responders. Treat symptomatically and supportively.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
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) Halogenated compounds Metal oxides
Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers.



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	Special for firef	l protective equipment ighters	:	so. Evacuate area.	ged containers from fire area if it is safe to do ed breathing apparatus for firefighting if nec- ective equipment.
6. A	CCIDEN	NTAL RELEASE MEAS	SUF	RES	
	tive equ	al precautions, protec- uipment and emer- procedures	:		ing advice (see section 7) and personal pro- recommendations (see section 8).
	Enviror	nmental precautions	:	Retain and dispos	akage or spillage if safe to do so. e of contaminated wash water. should be advised if significant spillages
		ls and materials for ment and cleaning up	:	tainer for disposal Avoid dispersal of with compressed Dust deposits sho es, as these may leased into the atr Local or national r posal of this mate employed in the c mine which regula Sections 13 and 1	dust in the air (i.e., clearing dust surfaces
7. H		IG AND STORAGE			
		cal measures	:	causing an explose Provide adequate and bonding, or in	precautions, such as electrical grounding ert atmospheres.
	Local/T	otal ventilation	:	Use only with ade	quate ventilation.

Local/Total ventilation	: Use only with adequate ventilation.
Advice on safe handling	: Do not breathe dust.
· · ·	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.
	Take care to prevent spills, waste and minimize release to the environment.



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Strong oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Cellulose	9004-34-6	TWA	10 mg/m3	ACGIH
Doravirine	1338225-97- 0	TWA	500 ug/m3 (OEB2)	Internal
Magnesium stearate	557-04-0	TWA (Inhal- able particu- late matter)	10 mg/m3	ACGIH
		TWA (Res- pirable par- ticulate mat- ter)	3 mg/m3	ACGIH

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 equipmen	t
Respiratory protection :	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection.
Filter type :	Particulates type
Hand protection Material :	Chemical-resistant gloves
Eye protection :	Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.
Skin and body protection :	Work uniform or laboratory coat.
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 contaminated 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.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Colour	:	off-white
Odour	:	No data available
Odour Threshold	:	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.
Flammability (liquids)	:	No data available
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	:	No data available
Partition coefficient: n- octanol/water	:	Not applicable
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity Viscosity, kinematic	:	Not applicable
Explosive properties	:	Not explosive



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Oxidizing properties : The substance or mixture is not classified as oxidizing. Molecular weight : No data available Particle characteristics Particle size Particle size : No data available 10. STABILITY AND REACTIVITY Reactivity Reactivity : Stable under normal conditions. Possibility of hazardous reac- tions : Stable under normal conditions. Conditions to avoid : Heat, flames and sparks. Avoid dust formation. Incompatible materials : Oxidizing agents Hazardous decomposition : No hazardous decomposition products are known. products 11. TOXICOLOGICAL INFORMATION Skin contact Ingrestion Eye contact Acute toxicity : LD50 (Rat): > 5,000 mg/kg Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Remarks: No evidence of phototoxicity : Remarks: No evidence of phototoxicity Remarks: No evidence of phototoxicity : Remarks:	Version 6.0	Revision Date: 06.07.2024	SDS N 59283-	umber: 00023	Date of last issue: 30.09.2023 Date of first issue: 16.02.2015			
Molecular weight : No data available Particle characteristics : No data available ID. STABILITY AND REACTIVITY Reactivity :: Not classified as a reactivity hazard. Chemical stability :: Not classified as a reactivity hazard. Chemical stability :: Not classified as a reactivity hazard. Chemical stability :: Not classified as a reactivity hazard. Chemical stability :: Not classified as a reactivity hazard. Chemical stability :: Not classified as a reactivity hazard. Chemical stability :: Not classified as a reactivity hazard. Conditions to avoid :: May form explosive dust-air mixture during processing, he diling or other means. Can react with strong oxidizing agents : Avoid dust formation. Incompatible materials : Oxidizing agents Hazardous decomposition : No hazardous decomposition products are known. products : No hazardous decomposition products are known. Information on likely routes of :: Inhalation Skin contact Ingestion : Eye contact Acute toxicity	Oxidiz	zina properties	: Th	e substance o	r mixture is not classified as oxidizing.			
Particle characteristics Particle size : No data available IO. STABILITY AND REACTIVITY Reactivity : Stable under normal conditions. Possibility of hazardous reactions : May form explosive dust-air mixture during processing, hat dling or other means. Conditions to avoid : Heat, flames and sparks. Avoid dust formation. : Avoid dust formation. Incompatible materials : Oxidizing agents Hazardous decomposition :: No hazardous decomposition products are known. products : Inhalation Skin contact Ingestion Information on likely routes of : Inhalation Skin contact Not classified based on available information. Components: : Cellulose: Acute toxicity : LD50 (Rat): > 5,000 mg/kg Acute oral toxicity : LD50 (Rat): > 5.8 mg/l Rest atmosphere: dust/mist : Acute oral toxicity Acute oral toxicity : LD50 (Rat): > 750 mg/kg Remarks: No mortality observed at this dose. . (Rat): Method: Phototoxicity Remarks: No evidence of phototoxicity was observed LD50 (Dog): > 1,000 mg/kg					-			
Particle size : No data available 0. STABILITY AND REACTIVITY Reactivity : Stable under normal conditions. Possibility of hazardous reactions : May form explosive dust-air mixture during processing, hat dling or other means. Can react with strong oxidizing agents. : Can react with strong oxidizing agents. Conditions to avoid : Heat, flames and sparks. Avoid dust formation. : Avoid dust formation. Incompatible materials : OXidizing agents Hazardous decomposition : No hazardous decomposition products are known. products : No tasardous decomposition products are known. Products : Information on likely routes of : Inhalation Skin contact : Ingestion Leye contact : Skin cont		-	. INC	o dala avaliable	3			
Reactivity : Not classified as a reactivity hazard. Chemical stability : Stable under normal conditions. Possibility of hazardous reac- tions : May form explosive dust-air mixture during processing, ha diing or other means. Can react with strong oxidizing agents. Conditions to avoid : Heat, flames and sparks. Avoid dust formation. Incompatible materials : Oxidizing agents Hazardous decomposition products : No hazardous decomposition products are known. Information on likely routes of exposure : Inhalation Skin contact lingestion Eye contact Acute toxicity : LD50 (Rat): > 5,000 mg/kg Acute inhalation toxicity : LD50 (Rat): > 5.8 mg/l Exposure time: 4 h Test atmosphere: dust/mist Acute oral toxicity : LD50 (Rat): > 750 mg/kg Acute oral toxicity : LD50 (Rat): > 750 mg/kg Acute oral toxicity : LD50 (Rat): > 750 mg/kg Acute oral toxicity : LD50 (Rat): > 750 mg/kg Acute oral toxicity : LD50 (Rat): > 750 mg/kg Acute oral toxicity : LD50 (Rat): > 750 mg/kg Acute oral toxicity : LD50 (Rat): > 750 mg/kg				No data available				
Chemical stability : Stable under normal conditions. Possibility of hazardous reactions : May form explosive dust-air mixture during processing, harding or other means. Can react with strong oxidizing agents. Conditions to avoid : Heat, flames and sparks. Avoid dust formation. Incompatible materials : Oxidizing agents Hazardous decomposition products : No hazardous decomposition products are known. 11. TOXICOLOGICAL INFORMATION Information on likely routes of exposure : Inhalation Skin contact Ingestion Eye contact Acute toxicity : Inhalation Skin contact Skin contact Ingestion : Skin contact Request : LD50 (Rat): > 5,000 mg/kg Acute oral toxicity : LD50 (Rat): > 5.8 mg/l Exposure time: 4 h Test atmosphere: dust/mist Acute oral toxicity : LD50 (Rat): > 750 mg/kg Doravirine: : LD50 (Rat): > 750 mg/kg Acute oral toxicity : LD50 (Rat): > 750 mg/kg Remarks: No evidence of phototoxicity was observed LD50 (Dog): > 1,000 mg/kg LD50 (Dog): > 1,000 mg/kg	0. STABI	LITY AND REACTIVIT	Y					
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Incompatible materials : Oxidizing agents Hazardous decomposition : No hazardous decomposition products are known. products : No hazardous decomposition products are known. Information on likely routes of exposure : Inhalation Skin contact Ingestion : Skin contact Ingestion Information on likely routes of exposure : Inhalation Skin contact : Ingestion Exposure : Skin contact Acute toxicity : LD50 (Rat): > 5,000 mg/kg Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute inhalation toxicity : LD50 (Rat): > 5,000 mg/kg Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg Doravirine: Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg Acute oral toxicity : LD50 (Rat): > 750 mg/kg Remarks: No mortality observed at this dose. : (Rat): Method: Phototoxicity Remarks: No evidence of phototoxicity was observed : LD50 (Dog): > 1,000 mg/kg	Cond	itions to avoid						
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Cellulose: Acute oral toxicity : LD50 (Rat): > 5.8 mg/l Acute inhalation toxicity : LC50 (Rat): > 5.8 mg/l Exposure time: 4 h Test atmosphere: dust/mist Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg Doravirine: . LD50 (Rat): > 750 mg/kg Acute oral toxicity : LD50 (Rat): > 750 mg/kg Remarks: No mortality observed at this dose. <		•	able info	mation.				
Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute inhalation toxicity : LC50 (Rat): > 5.8 mg/l Exposure time: 4 h Test atmosphere: dust/mist Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg Doravirine: . Acute oral toxicity : LD50 (Rat): > 750 mg/kg Remarks: No mortality observed at this dose. 	Com	oonents:						
Acute inhalation toxicity : LC50 (Rat): > 5.8 mg/l Exposure time: 4 h Test atmosphere: dust/mist Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg Doravirine: . Acute oral toxicity : LD50 (Rat): > 750 mg/kg Remarks: No mortality observed at this dose. . . . <td>Cellu</td> <td>lose:</td> <td></td> <td></td> <td></td>	Cellu	lose:						
Exposure time: 4 h Test atmosphere: dust/mist Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg Doravirine: Acute oral toxicity : LD50 (Rat): > 750 mg/kg Remarks: No mortality observed at this dose. (Rat): Method: Phototoxicity Remarks: No evidence of phototoxicity was observed LD50 (Dog): > 1,000 mg/kg	Acute	oral toxicity	: LD:	50 (Rat): > 5,0	00 mg/kg			
Doravirine: Acute oral toxicity : LD50 (Rat): > 750 mg/kg Remarks: No mortality observed at this dose. (Rat): Method: Phototoxicity Remarks: No evidence of phototoxicity was observed LD50 (Dog): > 1,000 mg/kg	Acute	inhalation toxicity	Exp	oosure time: 4	h			
Acute oral toxicity : LD50 (Rat): > 750 mg/kg Remarks: No mortality observed at this dose. (Rat): Method: Phototoxicity Remarks: No evidence of phototoxicity was observed LD50 (Dog): > 1,000 mg/kg	Acute	e dermal toxicity	: LD	50 (Rabbit): > 2	2,000 mg/kg			
Acute oral toxicity : LD50 (Rat): > 750 mg/kg Remarks: No mortality observed at this dose. (Rat): Method: Phototoxicity Remarks: No evidence of phototoxicity was observed LD50 (Dog): > 1,000 mg/kg	Dora	virine:						
Remarks: No evidence of phototoxicity was observed LD50 (Dog): > 1,000 mg/kg		-						
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			e): > 450 mg/kg mortality observed at this dose.
Magr	nesium stearate:		
	e oral toxicity	Assessment: icity	 2,000 mg/kg D Test Guideline 423 The substance or mixture has no acute oral tox sed on data from similar materials
Acute	e dermal toxicity		i): > 2,000 mg/kg sed on data from similar materials
Skin	corrosion/irritation		
Not c	lassified based on av	ailable information.	
<u>Com</u>	ponents:		
Dora Rema	virine: arks	: No data avail	able
Magr	nesium stearate:		
	ies	: Rabbit	
Resu Rema	lt arks	: No skin irritat : Based on dat	ion a from similar materials
Resu Rema Seric Not c <u>Com</u>	lt arks ous eye damage/eye classified based on av <u>ponents:</u> virine:	: No skin irritat : Based on dat irritation	a from similar materials
Resu Rema Seric Not c <u>Com</u> Dora	lt arks ous eye damage/eye classified based on av <u>ponents:</u> virine: arks	: No skin irritat : Based on dat irritation ailable information.	a from similar materials
Resu Rema Seric Not c <u>Com</u> Dora Rema	llt arks Dus eye damage/eye classified based on av ponents: virine: arks hesium stearate:	: No skin irritat : Based on dat irritation ailable information. : No data avail	a from similar materials
Resu Rema Seric Not c Com Dora Rema Spec Resu	llt arks bus eye damage/eye classified based on av ponents: virine: arks nesium stearate: ies llt	 No skin irritat Based on dat irritation ailable information. No data avail Rabbit No eye irritati 	a from similar materials able
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Resu Rema Seric Not c Com Dora Rema Spec Resu Rema	llt arks bus eye damage/eye classified based on av ponents: virine: arks nesium stearate: ies llt	 No skin irritat Based on dat irritation ailable information. No data avail Rabbit No eye irritati Based on dat 	a from similar materials able
Resu Rema Seric Not c Com Dora Dora Rema Rema Resu Resu Resp Skin	llt arks Dus eye damage/eye classified based on av ponents: virine: arks nesium stearate: ils ilt arks	 No skin irritat Based on dat irritation ailable information. No data avail Rabbit No eye irritati Based on dat itisation 	a from similar materials able
Resu Rema Seric Not c Com Dora Dora Rema Rema Resu Resu Resu Resu Resu Resu Resu	Ilt arks bus eye damage/eye classified based on av ponents: virine: arks nesium stearate: ies Ilt arks biratory or skin sens sensitisation	 No skin irritat Based on dat irritation ailable information. No data avail Rabbit No eye irritati Based on dat itisation ailable information.	a from similar materials able
Resu Rema Seric Not c Com Dora Rema Spec Resu Rema Resp Skin Not c Resp Not c	IIt arks bus eye damage/eye classified based on av ponents: virine: arks nesium stearate: ies IIt arks biratory or skin sens sensitisation classified based on av biratory sensitisatior	 No skin irritat Based on dat irritation ailable information. No data avail Rabbit No eye irritati Based on dat itisation ailable information.	a from similar materials able
Resu Rema Seric Not c Com Dora Rema Spec Resu Rema Resp Skin Not c Resp Not c Com	It arks bus eye damage/eye classified based on av ponents: virine: arks nesium stearate: ies It arks biratory or skin sens sensitisation classified based on av biratory sensitisatior classified based on av	 No skin irritat Based on dat irritation ailable information. No data avail Rabbit No eye irritati Based on dat itisation ailable information.	a from similar materials able

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Magnesium stearate:

Test Type	: Maximisation Test
Exposure routes	: Skin contact
Species	: Guinea pig
Method	: OECD Test Guideline 406
Result	: negative
Test Type Exposure routes Species Method Result Remarks	: Based on data from similar materials

Germ cell mutagenicity

Not classified based on available information.

Components:

Cellulose:

Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES) Result: negative
		Test Type: In vitro mammalian cell gene mutation test Result: negative
Genotoxicity in vivo	:	Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Application Route: Ingestion Result: negative
Doravirine:		
Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES) Result: negative
		Test Type: Chromosomal aberration Test system: Chinese hamster ovary cells Result: negative
Genotoxicity in vivo	:	Test Type: Micronucleus test Species: Rat Cell type: Bone marrow Application Route: Oral Result: negative
Magnesium stearate:		
Genotoxicity in vitro	:	Test Type: In vitro mammalian cell gene mutation test Result: negative Remarks: Based on data from similar materials
		Test Type: Chromosome aberration test in vitro Method: OECD Test Guideline 473 Result: negative Remarks: Based on data from similar materials
		Test Type: Bacterial reverse mutation assay (AMES)

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II		Result: negati	
		Remarks: Bas	ed on data from similar materials
Carci	nogenicity		
Not cl	assified based on avail	lable information.	
Com	oonents:		
Cellu	lose:		
Speci		: Rat	
	cation Route	: Ingestion	
Expos	sure time	: 72 weeks	
Resu	it.	: negative	
Dora	virine:		
Speci		: Mouse	
	cation Route	: Oral	
	sure time	: 6 Months	
Resul Rema		: negative	adverse effects were reported
i terre		. No significant	
Not cl	oductive toxicity lassified based on avai ponents:	lable information.	
Cellu	lose:		
Effect	s on fertility	Species: Rat	e-generation reproduction toxicity study oute: Ingestion ve
Effect	s on foetal develop-	: Test Type: Fe	rtility/early embryonic development
ment		Species: Rat	pute: Ingestion
II Doray	virine:		
	s on fertility	: Test Type: Fe	rtility
Liioo		Species: Rat, Fertility: NOA	male and female EL: 450 mg/kg body weight ects on fertility
Effect ment	s on foetal develop-	: Test Type: En Species: Rat Application Ro	nbryo-foetal development
			al Toxicity: NOAEL: 450 mg/kg body weig

Test Type: Embryo-foetal development Species: Rabbit



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			Route: Oral tal Toxicity: NOAEL: 300 mg/kg body weight dverse effects
Magr	nesium stearate:		
	ts on fertility	reproduction, Species: Rat Application F Method: OEC Result: nega	Route: Ingestion CD Test Guideline 422
Effec ment	ts on foetal develop-	Species: Rat Application R Result: nega	Route: Ingestion
	T - single exposure		
Not c	classified based on avai	lable information.	
	T - repeated exposure classified based on avai		

Repeated dose toxicity

Components:

Cellulose:

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

Doravirine:

Species NOAEL Application Route Exposure time Remarks		Rat 450 mg/kg Oral 6 Months No significant adverse effects were reported
Species NOAEL Application Route Exposure time Remarks	:	Mouse > 450 mg/kg Oral 3 Months No significant adverse effects were reported
Species NOAEL Application Route Exposure time Remarks		Dog > 1,000 mg/kg Oral 9 Months No significant adverse effects were reported



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Magnesium stearate:

Species NOAEL	: Rat
NOAEL	: > 100 mg/kg
Application Route	: Ingestion
Exposure time Remarks	: 90 Days
Remarks	: Based on data from similar materials

Aspiration toxicity

Not classified based on available information.

Experience with human exposure

Components:

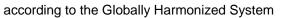
Doravirine:

Ingestion

: Symptoms: confusion, Headache, Dizziness, Nausea, Rash, abnormal dreams, flushing, Neurological disorders, mental depression

12. ECOLOGICAL INFORMATION

Ecotoxicity		
Components:		
Cellulose:		
Toxicity to fish	:	LC50 (Oryzias latipes (Japanese medaka)): > 100 mg/l Exposure time: 48 h Remarks: Based on data from similar materials
Doravirine:		
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 39 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 Remarks: No toxicity at the limit of solubility
		EC50 (Americamysis): 9.1 mg/l Exposure time: 96 h
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): > 5.8 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility
		NOEC (Pseudokirchneriella subcapitata (green algae)): 5.8 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility





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Toxic	ity to microorganisms	:	EC50: > 1,000 mg Exposure time: 3 Test Type: Respir Method: OECD Te	h ation inhibition
			NOEC: 1,000 mg/ Exposure time: 3 Test Type: Respir Method: OECD Te	h ation inhibition
Toxici icity)	ity to fish (Chronic tox-	:	Method: OECD Te	ales promelas (fathead minnow)
	ity to daphnia and other ic invertebrates (Chron- icity)	:	Method: OECD Te	magna (Water flea)
Magn	esium stearate:			
	ity to fish	:	Exposure time: 48 Method: DIN 3841	
	ity to daphnia and other ic invertebrates	:	Exposure time: 47 Test substance: V Method: Directive	Vater Accommodated Fraction 67/548/EEC, Annex V, C.2. on data from similar materials
Toxic plants	ity to algae/aquatic	:	mg/l Exposure time: 72 Test substance: V Method: OECD Te	Vater Accommodated Fraction est Guideline 201 on data from similar materials
			mg/l Exposure time: 72 Test substance: V Method: OECD Te	Vater Accommodated Fraction
Toxic	ity to microorganisms	:	Exposure time: 16 Test substance: V	nas putida): > 100 mg/l 5 h Vater Accommodated Fraction on data from similar materials



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П				
	istence and degradabi	lity		
Com	ponents:			
Cellu	llose:			
Biode	egradability	:	Result: Readily b	iodegradable.
Dora	virine:			
Biode	egradability	:	Result: Not readi Biodegradation: Exposure time: 2	
Magr	nesium stearate:			
	egradability	:		egradable on data from similar materials
Bioa	ccumulative potential			
<u>Com</u>	ponents:			
Dora	virine:			
	ion coefficient: n- ol/water	:	log Pow: 2.08	
Magr	nesium stearate:			
	ion coefficient: n- nol/water	:	log Pow: > 4	
Mobi	lity in soil			
<u>Com</u>	ponents:			
Dora	virine:			
	bution among environ- al compartments	:	log Koc: 2.86	
Othe	r adverse effects			
No da	ata available			
13. DISPO	SAL CONSIDERATIO	NS		
Disp	osal methods			
2.00				

Waste from residues	:	Do not dispose of waste into sewer.
		Dispose of in accordance with local regulations.
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.



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14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

Special precautions for user

Not applicable

15. REGULATORY INFORMATION

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

16. OTHER INFORMATION

Revision Date	:	06.07.2024
Further information		
Sources of key data used to compile the Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Date format	:	dd.mm.yyyy
Full text of other abbreviation	ons	
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH / TWA	:	8-hour, time-weighted average

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with

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

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

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