

Elbasvir Formulation

Version 3.0	Revision Date: 06.07.2024	-	S Number: 9969-00023	Date of last issue: 06.04.2024 Date of first issue: 23.02.2016
Section 1	: Identification			
Prod	uct identifier	:	Elbasvir Formula	ation
Reco	mmended use of the c	hem	ical and restriction	ons on use
	mmended use	:	Pharmaceutical	
Restr	ictions on use	:	Not applicable	
Manu	facturer or supplier's o	deta	ils	
Comp	bany	:	MSD	
Addre	ess	:	50 Tuas West D Singapore - Sin	
Telep	hone	:	+1-908-740-400	0
Emer	gency telephone numbe	r:	65 6697 2111 (2	4/7/365)
E-ma	il address	:	EHSDATASTEW	/ARD@msd.com
Section 2	: Hazard identification			
Class	sification of the substa	nce	or mixture	
Long- hazai	-term (chronic) aquatic rd	:	Category 1	
GHS	Label elements, includ	ling	precautionary st	atements
Haza	rd pictograms	:	¥2	
Signa	al word	:	Warning	
Haza	rd statements	:	H410 Very toxic	to aquatic life with long lasting effects
Preca	autionary statements	:	Prevention:	

P391 Collect spillage.

P273 Avoid release to the environment.

P501 Dispose of contents/ container to an approved waste

Response:

Disposal:

disposal plant.



Elbasvir Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
3.0	06.07.2024	529969-00023	Date of first issue: 23.02.2016

Other hazards which do not result in classification

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

Section 3: Composition/information on ingredients

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Cellulose	9004-34-6	>= 10 -< 20
Elbasvir	1370468-36-2	>= 2.5 -< 10
Titanium dioxide	13463-67-7	>= 0.1 -< 1

Section 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.
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
Risks	: Contact with dust can cause mechanical irritation or drying of the skin. Dust contact with the eyes can lead to mechanical irritation.
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).
Indication of any immediate	e medical attention and special treatment needed
Treatment	: Treat symptomatically and supportively.
tion 5: Fire-fighting measure	es
Extinguishing media	
Suitable extinguishing media	: Water spray Alcohol-resistant foam Carbon dioxide (CO2)

Dry chemical



Version 3.0	Revision Date: 06.07.2024	SDS Number: 529969-00023	Date of last issue: 06.04.2024 Date of first issue: 23.02.2016
Unsui media	itable extinguishing	: None known.	
Spec	ial hazards arising from	n the substance or	^r mixture
Speci fightir	fic hazards during fire- ng	concentrations potential dust e	ng dust; fine dust dispersed in air in sufficient , and in the presence of an ignition source is a explosion hazard. ombustion products may be a hazard to health.
Hazai ucts	rdous combustion prod-	: Carbon oxides Metal oxides Chlorine comp	ounds
Spec	ial protective actions for	or fire-fighters	
Speci for fire	al protective equipment efighters fic extinguishing meth-	 In the event of Use personal p Use extinguish cumstances ar Use water spra 	fire, wear self-contained breathing apparatus. protective equipment. ing measures that are appropriate to local cir- nd the surrounding environment. ay to cool unopened containers. maged containers from fire area if it is safe to d
Section 6	: Accidental release me	easures	
	precautions, protective anal precautions	: Use personal p Follow safe ha	mergency procedures protective equipment. ndling advice (see section 7) and personal pro ent recommendations (see section 8).
	ental precautions onmental precautions	Prevent further Retain and dis	to the environment. r leakage or spillage if safe to do so. pose of contaminated wash water. es should be advised if significant spillages ained.
	and materials for conta ods for cleaning up	: Sweep up or va tainer for dispo Avoid dispersa with compress Dust deposits s es, as these m leased into the Local or nation posal of this m employed in th	acuum up spillage and collect in suitable con- sal. I of dust in the air (i.e., clearing dust surfaces



Elbasvir Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
3.0	06.07.2024	529969-00023	Date of first issue: 23.02.2016

Section 7: Handling and storage

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 :						
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.					
Conditions for safe storage, in	cluding any incompatibilities					
Conditions for safe storage :	Keep in properly labelled containers.					

Conditions for safe storage	:	Keep in properly labelled containers.
		Store in accordance with the particular national regulations.
Materials to avoid	:	Do not store with the following product types:
		Strong oxidizing agents

Section 8: Exposure controls/personal protection

Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Cellulose	9004-34-6	PEL (long term)	10 mg/m3	SG OEL
		TWA	10 mg/m3	ACGIH



Elbasvir Formulation

rsion)	Revision Date: 06.07.2024	-	OS Number: 9969-00023		t issue: 06.04.2024 t issue: 23.02.2016		
Elbas	vir		1370468-36- 2	TWA	150 µg/m3 (OEB 2)	Internal	
Titani	um dioxide		13463-67-7	PEL (long term)	10 mg/m3	SG OEL	
	opriate engineering ol measures	:	compound. All engineerin design and op	g controls should	rols to minimize expo d be implemented by dance with GMP prin d the environment.	facility	
Indivi	idual protection measu	res	, such as pers	onal protective	equipment (PPE)		
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.				
	protection iratory protection	:	Work uniform or laboratory coat. If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec-				
Hand	ter type protection	:	ommended guidelines, use respiratory protection. Particulates type				
Ma	aterial	:	Chemical-resi	stant gloves			
ction 9	Physical and chemica	l pi	roperties				
Appea	arance	:	powder				
Colou	ır	: brown					
Odou	r	: odourless					
Odou	r Threshold	: No data available					
pН		: No data available					
Meltir	ng point/freezing point	:	No data available				
Initial range	boiling point and boiling	g : No data available					

range

Flash point

: Not applicable



Elbasvir Formulation

Version 3.0	Revision Date: 06.07.2024		S Number: 9969-00023	Date of last issue: 06.04.2024 Date of first issue: 23.02.2016
	r explosion limit / Upper nability limit	:	No data available	
	r explosion limit / Lower nability limit	:	No data available	9
Vapor	ur pressure	:	Not applicable	
Relati	ve vapour density	:	Not applicable	
Relati	ive density	:	No data available	2
Densi	ity	:	No data available	9
	ility(ies) ater solubility	:	No data available	2
	ion coefficient: n- ol/water	:	Not applicable	
	ignition temperature	:	No data available	9
Decor	mposition temperature	:	No data available	9
Visco: Vis	sity scosity, kinematic	:	Not applicable	
Explo	sive properties	:	Not explosive	
Oxidiz	zing properties	:	The substance o	r mixture is not classified as oxidizing.
	le characteristics le size	:	No data available	9

Section 10: Stability and reactivity

Reactivity Chemical stability Possibility of hazardous reac- tions		Not classified as a reactivity hazard. Stable under normal conditions. May form explosive dust-air mixture during processing, han- dling or other means. Can react with strong oxidizing agents.
Conditions to avoid Incompatible materials Hazardous decomposition	:	Heat, flames and sparks. Avoid dust formation. Oxidizing agents No hazardous decomposition products are known.
products	•	

Section 11: Toxicological information



Elbasvir Formulation

rsion)	Revision Date: 06.07.2024	-	OS Number: 9969-00023	Date of last issue: 06.04.2024 Date of first issue: 23.02.2016
Inforn expos	nation on likely routes of sure	:	Inhalation Skin contact Ingestion Eye contact	
	e toxicity assified based on availa	able	information.	
Com	oonents:			
Cellu	lose:			
Acute	oral toxicity	:	LD50 (Rat): > 5	5,000 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): > 5 Exposure time: Test atmosphe	4 h
Acute	dermal toxicity	:	LD50 (Rabbit):	> 2,000 mg/kg
Elbas	svir:			
Acute	oral toxicity	:	LD50 (Rat): > 2	2,000 mg/kg
			LD50 (Mouse):	> 1,000 mg/kg
Titani	ium dioxide:			
Acute	oral toxicity	:	LD50 (Rat): > 5	5,000 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): > 6 Exposure time: Test atmosphe Assessment: T tion toxicity	4 h
	corrosion/irritation assified based on availa	blo	information	
	oonents:		information.	
Elbas	svir:			
Speci Resul		:	reconstructed h No skin irritatio	numan epidermis (RhE) n
Titan	ium dioxide:			
Speci Resu		:	Rabbit No skin irritatio	n

Not classified based on available information.



ersion)	Revision Date: 06.07.2024	SDS Number: 529969-00023	Date of last issue: 06.04.2024 Date of first issue: 23.02.2016
Com	oonents:		
Elbas			
Speci		: Bovine corne	a
Resu		: No eye irritati	
Titan	ium dioxide:		
Speci		: Rabbit	
Resu	lt	: No eye irritati	on
Resp	iratory or skin sens	tisation	
-	sensitisation lassified based on av	ailable information	
-	iratory sensitisatior lassified based on av		
<u>Com</u>	oonents:		
Elbas	svir:		
Test			node assay (LLNA)
	sure routes	: Dermal	
Speci Resu		: Mouse : negative	
Titan	ium dioxide:		
Test		: Local lymph r	node assay (LLNA)
	sure routes	: Skin contact	
Speci		: Mouse	
Resu	lt	: negative	
	cell mutagenicity		
	lassified based on av	ailable information.	
<u>Com</u>	oonents:		
Cellu			
Geno	toxicity in vitro	: Test Type: Ba Result: negat	acterial reverse mutation assay (AMES) ive
		Test Type: In Result: negat	vitro mammalian cell gene mutation test ive
Geno	toxicity in vivo	cytogenetic a Species: Mou	se oute: Ingestion



	Revision Date: 06.07.2024	-	9969-00023	Date of last issue: 06.04.2024 Date of first issue: 23.02.2016
Elbas	vir			
-	toxicity in vitro	:	Test Type: Bac	erial reverse mutation assay (AMES)
			Result: negative	
			Test Type: Chro Result: negative	omosome aberration test in vitro
Genot	toxicity in vivo	:		vo micronucleus test
			Species: Rat Application Rou	te: Oral
			Result: negative	
	cell mutagenicity -	:		nce does not support classification as a ge
Asses	ssment		cell mutagen.	
Titani	um dioxide:			
Genot	toxicity in vitro	:	Test Type: Bac Result: negative	erial reverse mutation assay (AMES)
0	ter de la colora		-	
Geno	toxicity in vivo	:	Species: Mouse	vo micronucleus test
			Result: negative	
Carci	nogenicity			
	assified based on avail	lable	information.	
<u>Comp</u>	oonents:			
Cellu				
Speci		:	Rat	
Applic	ation Route	:	Ingestion 72 weeks	
EXDOS		-		
Resul		:	negative	
Resul Titani	t um dioxide:	:	negative	
Resul Titani Speci	t i um dioxide: es	:	Rat	
Resul Titani Speci Applic	t i um dioxide: es cation Route	:	Rat inhalation (dust	′mist/fume)
Resul Titani Speci Applic Expos	t um dioxide: es cation Route sure time	:	Rat inhalation (dust 2 Years	
Resul Titani Speci Applic Expos Metho	t um dioxide: es cation Route sure time od	:	Rat inhalation (dust 2 Years OECD Test Gu	
Resul Titani Speci Applic Expos	t um dioxide: es cation Route sure time od t	:	Rat inhalation (dust 2 Years OECD Test Gu positive	deline 453
Resul Titani Speci Applic Expos Metho Resul Rema	t um dioxide: es cation Route sure time od t	:	Rat inhalation (dust 2 Years OECD Test Gu positive The mechanism mans. Limited evidence	deline 453 n or mode of action may not be relevant in I
Resul Titani Speci Applic Expos Methc Resul Rema	t ium dioxide: es cation Route sure time od t t		Rat inhalation (dust 2 Years OECD Test Gu positive The mechanisn mans.	



Elbasvir Formulation

/ersion 8.0	Revision Date: 06.07.2024	-	OS Number: 9969-00023	Date of last issue: 06.04.2024 Date of first issue: 23.02.2016
Com	ponents:			
Cellu	llose:			
Effec	ts on fertility	:	Test Type: One Species: Rat Application Ro Result: negativ	
Effect ment	ts on foetal develop-	:	Test Type: Fer Species: Rat Application Ro Result: negativ	
Elbas	svir:			
Effec	ts on fertility	:	Species: Rat, r Application Ro	L: 1,000 mg/kg body weight
Effec ment	ts on foetal develop-	:	Species: Rat Application Ro Developmental	bryo-foetal development ute: Oral Toxicity: NOAEL: 1,000 mg/kg body weight cts on early embryonic development
			Species: Rabb Application Ro Developmenta	
II STOT	Γ - single exposure			
Not c	lassified based on avai	lable	information.	
	F - repeated exposure		information	
	lassified based on avai	lable	information.	
кере	ated dose toxicity			

Components:

Cellulose:

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

Elbasvir:

Species NOAEL	:	Rat
NOAEL	:	1,000 mg/kg



/ersion 5.0	Revision Date: 06.07.2024	SDS Number 529969-0002	
	cation Route sure time arks	: Oral : 180 d : No signific	cant adverse effects were reported
	EL cation Route sure time	: Dog : 1,000 mg, : Oral : 270 d : No signific	/kg cant adverse effects were reported
Titani	ium dioxide:		
		: Rat : 24,000 m : Ingestion : 28 Days	g/kg
Speci NOAE Applic Expos		: Rat : 10 mg/m3 : inhalation : 2 yr	} (dust/mist/fume)
Aspir			
Expe	lassified based on aver rience with human e		۱.
Not cl Exper Comp	lassified based on av rience with human e ponents:		۱.
Not cl Expe	lassified based on aver rience with human e ponents: svir:	exposure : Symptom Fatigue, r	s: Headache, Abdominal pain, constipation, Nause
Not cl Exper Comr Elbas	lassified based on aver rience with human e ponents: svir:	: Symptom Fatigue, r tion, rhinit	s: Headache, Abdominal pain, constipation, Nause nuscle pain, joint pain, Dizziness, Cough, Skin irrita
Not cl Exper Comr Elbas	lassified based on aver rience with human e <u>conents:</u> svir: tion 2: Ecological inform	: Symptom Fatigue, r tion, rhinit	s: Headache, Abdominal pain, constipation, Nause nuscle pain, joint pain, Dizziness, Cough, Skin irrita
Not cl Exper Comp Elbas Ingest	lassified based on aver rience with human e <u>conents:</u> svir: tion 2: Ecological inform	: Symptom Fatigue, r tion, rhinit	s: Headache, Abdominal pain, constipation, Nause nuscle pain, joint pain, Dizziness, Cough, Skin irrita
Not cl Exper Comp Elbas Ingest	lassified based on aver rience with human e <u>conents:</u> svir: tion 2: Ecological inform sity <u>conents:</u>	: Symptom Fatigue, r tion, rhinit	s: Headache, Abdominal pain, constipation, Nause nuscle pain, joint pain, Dizziness, Cough, Skin irrita
Not cl Exper Comp Elbas Inges Section 12 Toxic Comp Cellu	lassified based on aver rience with human e <u>conents:</u> svir: tion 2: Ecological inform sity <u>conents:</u>	Exposure : Symptom Fatigue, r tion, rhinit pation : LC50 (Or Exposure	s: Headache, Abdominal pain, constipation, Nause nuscle pain, joint pain, Dizziness, Cough, Skin irrita
Not cl Exper Elbas Ingest	lassified based on aver rience with human e <u>ponents:</u> svir: tion 2: Ecological inform tity ponents: lose: ity to fish	Exposure : Symptom Fatigue, r tion, rhinit ation : LC50 (Or Exposure Remarks:	s: Headache, Abdominal pain, constipation, Nause nuscle pain, joint pain, Dizziness, Cough, Skin irrita is, Drowsiness, nasal congestion yzias latipes (Japanese medaka)): > 100 mg/l time: 48 h Based on data from similar materials
Not cl Exper Elbas Ingest	lassified based on aver rience with human e <u>ponents:</u> svir: tion 2: Ecological inform sity <u>ponents:</u> lose: ity to fish	Exposure : Symptom Fatigue, r tion, rhinit ation : LC50 (Ory Exposure Remarks: : LC50 (Lej Exposure Method: O	s: Headache, Abdominal pain, constipation, Nause nuscle pain, joint pain, Dizziness, Cough, Skin irrita is, Drowsiness, nasal congestion yzias latipes (Japanese medaka)): > 100 mg/l time: 48 h



Version 3.0	Revision Date: 06.07.2024		9969-00023	Date of last issue: 06.04.2024 Date of first issue: 23.02.2016
			Exposure time Remarks: No t	: 96 h coxicity at the limit of solubility
	ty to daphnia and other ic invertebrates	:	Exposure time Method: OECI	a magna (Water flea)): > 10 mg/l :: 48 h D Test Guideline 202 :oxicity at the limit of solubility
			Exposure time Method: US-E	amysis): 7.7 mg/l :: 96 h PA OPPTS 850.1035 :oxicity at the limit of solubility
Toxici plants	ty to algae/aquatic	:	Exposure time Method: OECI	okirchneriella subcapitata (algae)): > 0.081 mg :: 72 h D Test Guideline 201 :oxicity at the limit of solubility
			mg/l Exposure time Method: OECI	okirchneriella subcapitata (green algae)): 0.04 :: 72 h D Test Guideline 201 :oxicity at the limit of solubility
Toxici icity)	ty to fish (Chronic tox-	:	Exposure time	hales promelas (fathead minnow)): 0.0023 m : 32 d D Test Guideline 210
	ty to daphnia and other ic invertebrates (Chron- city)	:	Exposure time Method: OECI	ia magna (Water flea)): 0.84 mg/l :: 21 d D Test Guideline 211 :oxicity at the limit of solubility
	ctor (Chronic aquatic	:	10	
toxicit Toxici	y) ty to microorganisms	:		
Titani	um dioxide:			
Toxici	ty to fish	:	Exposure time	ynchus mykiss (rainbow trout)): > 100 mg/l :: 96 h D Test Guideline 203
	ty to daphnia and other ic invertebrates	:	EC50 (Daphni Exposure time	a magna (Water flea)): > 100 mg/l : 48 h



Version 3.0	Revision Date: 06.07.2024		OS Number: 9969-00023	Date of last issue: 06.04.2024 Date of first issue: 23.02.2016
Toxic plants	ity to algae/aquatic s	:	EC50 (Skeleto Exposure time	nema costatum (marine diatom)): > 10,000 mg/ : 72 h
Toxic	ity to microorganisms	:	EC50: > 1,000 Exposure time Method: OECE	
Persi	istence and degradabi	lity		
Com	ponents:			
Cellu	llose:			
Biode	egradability	:	Result: Readily	y biodegradable.
Elbas	svir:			
Biode	egradability	:	Result: Not rea Biodegradatior Exposure time	
Bioa	ccumulative potential			
Com	ponents:			
Elbas	svir:			
Bioac	ccumulation	:	Bioconcentrati	mis macrochirus (Bluegill sunfish) on factor (BCF): 82 D Test Guideline 305
	ion coefficient: n- ol/water	:	log Pow: 6.54	
Mobi	lity in soil			
Com	ponents:			
Elbas	svir:			
Distri menta	bution among environ- al compartments	:	log Koc: 5.24	
	r adverse effects ata available			
Section 1	3: Disposal considera	tion	S	
Disp	osal methods			
-	e from residues	:		e of waste into sewer.
C			Dispose of in a	accordance with local regulations.



Elbasvir Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
3.0	06.07.2024	529969-00023	Date of first issue: 23.02.2016

Section 14: Transport information

International Regulations

UNRTDG		
UN number	:	UN 3077
UN proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Elbasvir)
Transport hazard class(es)	:	9
Packing group	:	III
Labels	:	9
Environmental hazards	:	yes
IATA-DGR		
UN/ID No.	:	UN 3077
UN proper shipping name	:	Environmentally hazardous substance, solid, n.o.s. (Elbasvir)
Transport hazard class(es)	:	9
Packing group	:	III
Labels	:	Miscellaneous
Packing instruction (cargo aircraft)	:	956
Packing instruction (passen- ger aircraft)	:	956
Environmentally hazardous	:	yes
IMDG-Code		
UN number	:	UN 3077
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
		(Elbasvir)
Transport hazard class(es)	:	9
Packing group	:	
Labels	:	9
EmS Code	:	F-A, S-F
Marine pollutant	:	yes

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

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.

Section 15: Regulatory information

Safety, health and environmental regulations specific for the product in question



Elbasvir Formulation

/ersion 3.0	Revision Date: 06.07.2024		OS Number: 9969-00023	Date of last issue: 06.04.2024 Date of first issue: 23.02.2016
tions:				afety and Health (General Provisions) Regula g, PEL and other requirements in the
Envir Envir	onmental Protection an onmental Protection an Substances) Regulation	d Ma		
	Safety (Petroleum and F lations	lam	mable Materials)	: Not applicable
The o	components of this pr	odu	ct are reported in	the following inventories:
AICS		:	not determined	
DSL		:	not determined	
IECS	С	:	not determined	
Section 1	6: Other information			
Revis	sion Date	:	06.07.2024	
Furth	ner information			
	ces of key data used to bile the Safety Data t	:		l data, data from raw material SDSs, OECD arch results and European Chemicals Agen- iropa.eu/
	where changes have to ment by two vertical line		made to the previo	ous version are highlighted in the body of this
Date	format	:	dd.mm.yyyy	
Full t	ext of other abbreviat	ions		
ACG SG C		:	Singapore. Work	reshold Limit Values (TLV) place Safety and Health (General Provisions) st Schedule Permissible Exposure Limits of s.
	IH / TWA DEL / PEL (long term)	:	8-hour, time-weig Permissible Expo	ghted average osure Level (PEL) Long Term
Land Carci Stand x% ro ENCS	of Brazil; ASTM - Ame nogen, Mutagen or R dardisation; DSL - Dom esponse; ELx - Loadin S - Existing and New C	erica epro estic g ra Chem	n Society for the T ductive Toxicant; Substances List (te associated with nical Substances (s; ANTT - National Agency for Transport b Testing of Materials; bw - Body weight; CMR DIN - Standard of the German Institute for Canada); ECx - Concentration associated with x% response; EmS - Emergency Schedule Japan); ErCx - Concentration associated with onse Guide; GHS - Globally Harmonized Sys

tem; 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 Chemi-



Elbasvir Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
3.0	06.07.2024	529969-00023	Date of first issue: 23.02.2016

cal 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.

SG / EN