

Version 6.2	Revision Date: 28.09.2024	SDS Number: 58414-00026	Date of last issue: 30.09.2023 Date of first issue: 16.02.2015			
SECTION	1. IDENTIFICATION					
Prod	uct identifier	: Letermovir Solid Formulation				
Man	ufacturer or supplier'	s details				
Com	pany	: MSD				
Addr	ess	nº 1500 – D	mendador Antônio Loureiro Ramos, istrito Industrial ros – MG, Brazil 39404-620			
Telep	ohone	: +55 (38) 32	29 7000			
Eme	rgency telephone	: +55 (38) 32	01 5670			
E-ma	ail address	: EHSDATAS	STEWARD@msd.com			
Reco	ommended use of the	chemical and rest	rictions on use			
	ommended use rictions on use	: Pharmaceu : Not applical				
SECTION	2. HAZARDS IDENT	FICATION				
GHS	Classification in acc	ordance with ABN	T NBR 14725 Standard			
Repr	oductive toxicity	: Category 2				
Snoo	ific torget orgen tovicit	Cotogony 2	(Liver onloop Blood)			

Specific target organ toxicity - repeated exposure (Oral)	:	Category 2 (Liver, spleen, Blood)
Short-term (acute) aquatic hazard	:	Category 3

GHS label elements in accordance with ABNT NBR 14725 Standard

Hazard pictograms	:	
Signal Word	:	Warning
Hazard Statements	:	H361d Suspected of damaging the unborn child. H373 May cause damage to organs (Liver, spleen, Blood) through prolonged or repeated exposure if swallowed. H402 Harmful to aquatic life.
Precautionary Statements	:	Prevention: P201 Obtain special instructions before use.



>= 1 -< 5

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			P273 Avoid	ot breathe dust. d release to the environment. r protective gloves/ protective clothing/ eye protec- protection.				
			Response: P308 + P313 IF exposed or concerned: Get medical advice/ attention.					
			Storage: P405 Store	locked up.				
	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.							
	Substa	. COMPOSITION/INFO	: Mixture	NGREDIENTS				
-	Components Chemical name		CAS-No.	Classification	Concentration (% w/w)			
	Cellulos		9004-34-6		>= 30 -< 50			
	Letermo		917389-32-3	Acute Tox. (Oral), 5 Repr., 2 STOT RE, (Oral)(Liver, spleen, Blood) , 2 Aquatic Acute, 3	>= 30 -< 50			

557-04-0

SECTION 4. FIRST AID MEASURES

Magnesium stearate

General advice	 In the case of accident or if you feel unwell, seek medical advice 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	: In case of contact, immediately flush skin with soap and plenty of water.
	Remove contaminated clothing and shoes. Get medical attention.
	Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	 If in eyes, rinse well with water. Get medical attention if irritation develops and persists.
If swallowed	: If swallowed, DO NOT induce vomiting. Get medical attention.
Most important symptoms and effects, both acute and	Rinse mouth thoroughly with water.Suspected of damaging the unborn child.May cause damage to organs through prolonged or repeated



surfaces

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delay	delayed		exposure if swallc Contact with dust the skin.	wed. can cause mechanical irritation or drying of		
Prote	ction of first-aiders	:	Dust contact with First Aid responde and use the recor	the eyes can lead to mechanical irritation. ers should pay attention to self-protection, nmended personal protective enternation		
Notes	s to physician	:	when the potential for exposure exists (see sectionTreat symptomatically and supportively.			
SECTION	5. FIRE-FIGHTING ME	ASL	JRES			
Suita	ble extinguishing media	:	Water spray Alcohol-resistant f Carbon dioxide (C Dry chemical			
Unsu media	itable extinguishing a	:	None known.			
Spec fightir	ific hazards during fire ng	:	concentrations, an potential dust exp	dust; fine dust dispersed in air in sufficient nd in the presence of an ignition source is a losion hazard. bustion products may be a hazard to health.		
Haza ucts	rdous combustion prod-	:	Carbon oxides Metal oxides Nitrogen oxides (I	NOx)		
Spec ods	ific extinguishing meth-	:	cumstances and t Use water spray t	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do		
	ial protective equipment e-fighters	:	In the event of fire Use personal prot	e, wear self-contained breathing apparatus. ective equipment.		

Personal precautions, protec- : tive equipment and emer- gency procedures	Use personal protective equipment. Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).
Environmental precautions :	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for : containment and cleaning up	Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dispersal of dust in the air (i.e., clearing dust surface



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		surfaces, as t released into Local or natio disposal of th employed in t determine wh Sections 13 a	sed air). should not be allowed to accumulate on hese may form an explosive mixture if they are the atmosphere in sufficient concentration. nal regulations may apply to releases and is material, as well as those materials and items he cleanup of releases. You will need to ich regulations are applicable. and 15 of this SDS provide information regarding or national requirements.
SECTION	7. HANDLING AND ST	TORAGE	
	nical measures I/Total ventilation	causing an ex Provide adeq and bonding, : Use only with	uate precautions, such as electrical grounding or inert atmospheres. adequate ventilation.
Advic	e on safe handling	Handle in acc practice, base assessment Minimize dust Keep contain Keep away fr Take precauti	W.
Hygie	ene measures	: If exposure to flushing syste place. When using c Wash contam The effective engineering c appropriate d industrial hyg	chemical is likely during typical use, provide eye ms and safety showers close to the working lo not eat, drink or smoke. inated clothing before re-use. operation of a facility should include review of ontrols, proper personal protective equipment, egowning and decontamination procedures, iene monitoring, medical surveillance and the strative controls.
Cond	litions for safe storage	: Keep in prope Store locked	erly labeled containers.
Mate	rials to avoid		with the following product types:

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of	Control parame- ters / Permissible	Basis
		exposure)	concentration	



sion	Revision Date: 28.09.2024	SDS Number: 58414-00026	Date of last issue: 30.09.2023 Date of first issue: 16.02.2015				
Cellu	lose	9004-34-6	TWA	10 mg/m³	ACGIH		
Letermovir		917389-32-3	TWA	0.4 mg/m3 (OEB 2)	Internal		
Magr	nesium stearate	557-04-0	TWA (Inhalable particulate matter)	10 mg/m ³	ACGIH		
			TWA (Respirable particulate matter)	3 mg/m³	ACGIH		
Engi	neering measures	compound. All engineerir design and oj	ng controls shou perated in acco	trols to minimize exp Id be implemented by dance with GMP prin d the environment.	y facility		
Pers	onal protective equip	ment					
Fi Hand	iratory protection Iter type I protection	exposure ass recommende : Particulates t	 If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection. Particulates type 				
М	aterial	: Chemical-res	istant gloves				
		· Moor cofoty (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. 				
Eye p	protection	If the work en mists or aeros Wear a faces potential for c	ivironment or ac sols, wear the a hield or other fu	tivity involves dusty of ppropriate goggles. Il face protection if th	ere is a		

Physical state	:	powder
Color	:	No data available
Odor	:	No data available
Odor 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

SAFETY DATA SHEET



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	Flammability (solid, gas) Flammability (liquids) Upper explosion limit / Upper flammability limit Lower explosion limit / Lower flammability limit		:	May form explosi handling or other	ve dust-air mixture during processing, means.
			:	No data available	2
			:	No data available	
			:	No data available	
	Vapor	oressure	:	Not applicable	
	Relative vapor density Relative density Density Solubility(ies) Water solubility Partition coefficient: n- octanol/water		:	Not applicable	
			:	No data available)
			:	No data available)
			:	No data available	9
			:	Not applicable	
		nition temperature	:	No data available)
	Decom	position temperature	:	No data available)
	Viscosity Viscosity, kinematic		:	Not applicable	
	Explos	ive properties	:	Not explosive	
	Oxidizi	ng properties	:	The substance o	r mixture is not classified as oxidizing.
	Particle Particle	e characteristics e size	:	No data available	

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 processin handling or other means. Can react with strong oxidizing agents.	g,
Conditions to avoid	Heat, flames and sparks. Avoid dust formation.	
Incompatible materials	Oxidizing agents	
Hazardous decomposition products	No hazardous decomposition products are known.	

SECTION 11. TOXICOLOGICAL INFORMATION



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Information on likely routes of exposure		:	Inhalation Skin contact Ingestion Eye contact		
	e toxicity		· •		
	lassified based on availa	ble	information.		
<u>Product:</u> Acute oral toxicity		:	Acute toxicity est Method: Calculat	imate: > 5.000 mg/kg ion method	
<u>Comp</u>	oonents:				
Cellu	lose:				
Acute	oral toxicity	:	LD50 (Rat): > 5.0	00 mg/kg	
Acute	inhalation toxicity	:	LC50 (Rat): > 5,8 Exposure time: 4 Test atmosphere	h	
Acute	e dermal toxicity	:	LD50 (Rabbit): >	2.000 mg/kg	
Leter	movir:				
Acute	oral toxicity	:	LD50 (Rat): > 2.0	00 mg/kg	
			LD50 (Mouse): >	2.000 mg/kg	
Magn	esium stearate:				
-	oral toxicity	:	Assessment: The icity	00 mg/kg est Guideline 423 substance or mixture has no acute oral to on data from similar materials	
Acute	e dermal toxicity	:	LD50 (Rabbit): > Remarks: Based	2.000 mg/kg on data from similar materials	
-	corrosion/irritation lassified based on availa	ble	information.		
<u>Comp</u>	ponents:				
Leter	movir:				
Rema	-	:	No data available		
Magn	esium stearate:				
Speci		:	Rabbit		
Resul		:	No skin irritation		
Rema	arks	:	Based on data fro	om similar materials	

SAFETY DATA SHEET



sion	Revision Date: 28.09.2024		9S Number: 414-00026	Date of last issue: 30.09.2023 Date of first issue: 16.02.2015
Seriou	ıs eye damage/eye	irritati	on	
Not cla	assified based on av	ailable	information.	
<u>Comp</u>	onents:			
Letern	novir:			
Remai	rks	:	No data availabl	е
Magne	esium stearate:			
Specie		:	Rabbit	
Result		:	No eye irritation	
Remai	rks	:		rom similar materials
Respi	ratory or skin sens	itizatio	n	
	ensitization	- 11 - 1. 1 -	· . (
	assified based on av		information.	
•	ratory sensitization assified based on av		information	
	onents:	allable		
Letern				
Remai		:	No data availabl	е
Magne	esium stearate:			
Test T			Maximization Te	st
	s of exposure		Skin contact	
Specie		:	Guinea pig	
Metho	d	:	OECD Test Gui	deline 406
Result		:	negative	
Remai	rks	:	Based on data f	rom similar materials
Germ	cell mutagenicity			
Not cla	assified based on av	ailable	information.	
<u>Comp</u>	onents:			
Cellul	ose:			
Genote	oxicity in vitro	:	Test Type: Bactor Result: negative	erial reverse mutation assay (AMES)
			Test Type: In vit Result: negative	ro mammalian cell gene mutation test
Genote	oxicity in vivo	:	Test Type: Mam cytogenetic assa Species: Mouse Application Rout Result: negative	te: Ingestion

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Genot	oxicity in vitro	:	Test Type: Bact Result: negative	erial reverse mutation assay (AMES)
			Test Type: Chro Result: negative	omosome aberration test in vitro
Genotoxicity in vivo		:	cytogenetic ass Species: Mouse	te: Intraperitoneal injection
Germ Asses	cell mutagenicity - sment	:	Weight of evide cell mutagen.	nce does not support classification as a gern
Magne	esium stearate:			
Genot	oxicity in vitro	:	Result: negative	tro mammalian cell gene mutation test e d on data from similar materials
			Method: OECD Result: negative	omosome aberration test in vitro Test Guideline 473 e d on data from similar materials
			Test Type: Bact Result: negative	erial reverse mutation assay (AMES)
	nogenicity assified based on availa	ıble	Test Type: Bact Result: negative Remarks: Base	erial reverse mutation assay (AMES)
Not cla		ıble	Test Type: Bact Result: negative Remarks: Base	erial reverse mutation assay (AMES)
Not cla	assified based on availa onents:	ıble	Test Type: Bact Result: negative Remarks: Base	erial reverse mutation assay (AMES)
Not cla <u>Comp</u> Cellul Specie	assified based on availa onents: ose: es	ıble :	Test Type: Bact Result: negative Remarks: Base information.	erial reverse mutation assay (AMES)
Not cla <u>Comp</u> <u>Cellula</u> Specie Applica	assified based on availa onents: ose: es ation Route	ıble	Test Type: Bact Result: negative Remarks: Base information. Rat Ingestion	erial reverse mutation assay (AMES)
Not cla <u>Comp</u> <u>Cellula</u> Specie Applica	assified based on availa onents: ose: es ation Route ure time	ıble	Test Type: Bact Result: negative Remarks: Base information.	erial reverse mutation assay (AMES)
Not cla <u>Comp</u> Cellula Specie Applica Expos Result	assified based on availa onents: ose: es ation Route ure time	ible : :	Test Type: Bact Result: negative Remarks: Base information. Rat Ingestion 72 weeks	erial reverse mutation assay (AMES)
Not cla <u>Comp</u> Cellula Specie Applica Expos Result Repro	assified based on availa onents: ose: es ation Route ure time	:	Test Type: Bact Result: negative Remarks: Based information. Rat Ingestion 72 weeks negative	erial reverse mutation assay (AMES)
Not cla <u>Comp</u> Cellula Specie Applica Expos Result Repro Suspe	assified based on availa onents: ose: es ation Route ure time ductive toxicity	:	Test Type: Bact Result: negative Remarks: Based information. Rat Ingestion 72 weeks negative	erial reverse mutation assay (AMES)
Not cla <u>Comp</u> Cellula Specie Applica Expos Result Repro Suspe	assified based on availa onents: ose: es ation Route ure time t oductive toxicity ected of damaging the u ponents:	:	Test Type: Bact Result: negative Remarks: Based information. Rat Ingestion 72 weeks negative	erial reverse mutation assay (AMES)
Not cla <u>Comp</u> Cellula Specie Applica Expos Result Repro Suspe <u>Comp</u> Cellula	assified based on availa onents: ose: es ation Route ure time t oductive toxicity ected of damaging the u ponents:	:	Test Type: Bact Result: negative Remarks: Based information. Rat Ingestion 72 weeks negative rn child.	erial reverse mutation assay (AMES) d on data from similar materials -generation reproduction toxicity study te: Ingestion



ersion .2	Revision Date: 28.09.2024	-	S Number: 414-00026	Date of last issue: 30.09.2023 Date of first issue: 16.02.2015
			Result: negativ	e
Leteri	movir:			
Effects on fertility		:	Species: Rat, fe Application Rou	ute: Oral L: 240 mg/kg body weight
			Species: Rat, n Application Rou Fertility: LOAEL Result: No effe	ute: Oral _: 180 mg/kg body weight
			Species: Monker Application Rou	ute: Oral L: 240 mg/kg body weight
Effects	Effects on fetal development	:	Species: Rat Developmental Result: Embryc	bryo-fetal development Toxicity: LOAEL: 250 mg/kg body weight p-fetal toxicity. ernal toxicity observed.
			Species: Rabbi Developmental Result: Embryc Abortion	bryo-fetal development t Toxicity: LOAEL: 225 mg/kg body weight p-fetal toxicity., Malformations were observed ernal toxicity observed.
Repro sessm	ductive toxicity - As- nent	:	Some evidence animal experim	e of adverse effects on development, based o ents.
Magn	esium stearate:			
-	s on fertility	:	reproduction/de Species: Rat Application Rou Method: OECD Result: negativ	Test Guideline 422
Effects	s on fetal development	:	Species: Rat Application Rou Result: negativ	



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STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

May cause damage to organs (Liver, spleen, Blood) through prolonged or repeated exposure if swallowed.

Components:

Letermovir:

Routes of exposure Target Organs Assessment	Ingestion Liver, spleen, Blood May cause damage to organs through prolonged or repeated
	exposure.

Repeated dose toxicity

Components:

Cellulose:

Species NOAEL Application Route Exposure time	:	Rat >= 9.000 mg/kg Ingestion 90 Days
Letermovir:		
Species NOAEL LOAEL Application Route Exposure time Target Organs		Mouse 40 mg/kg 100 mg/kg Oral 13 Weeks Liver, spleen
Species NOAEL Application Route Exposure time Remarks		Rat 150 mg/kg Oral 26 Weeks No significant adverse effects were reported
Species NOAEL LOAEL Application Route Exposure time Target Organs		Monkey 100 mg/kg 200 - 250 mg/kg Oral 39 Weeks Kidney
Species NOAEL LOAEL Exposure time Target Organs		Rat 60 mg/kg 180 mg/kg 13 Weeks Testis, Blood, Liver, spleen, Immune system
Species NOAEL	:	Monkey 30 mg/kg



Exposur Target (Magnes Species NOAEL	Drgans sium stearate:	: : :	100 mg/kg Oral 4 Weeks Blood	
Species NOAEL Applicat Exposu				
Remark	tion Route re time	:	Rat > 100 mg/kg Ingestion 90 Days	
-	s ion toxicity sified based on availa	: ble		rom similar materials
-	ence with human exp	osu	re	
<u>Compo</u> Letermo Ingestio	ovir:	:		rrhea, Nausea, Vomiting, Headache, Dizzi- Back pain, Edema, Rash, muscle pain
Ecotoxi <u>Compo</u> Cellulos Toxicity	nents: se:	:	Exposure time:	atipes (Japanese medaka)): > 100 mg/l 48 h d on data from similar materials
Leterm Toxicity		:	Exposure time: 9	peryllina (Silverside)): > 100 mg/l 96 h Test Guideline 203
	to daphnia and other invertebrates	:	EC50 (Americar Exposure time: 9	
			Exposure time:	magna (Water flea)): > 100 mg/l 48 h Test Guideline 202
Toxicity plants	to algae/aquatic	:	EC50 (Pseudok mg/l Exposure time:	irchneriella subcapitata (green algae)): > 8,8 72 h Test Guideline 201



/ersion 3.2	Revision Date: 28.09.2024		9S Number: 414-00026	Date of last issue: 30.09.2023 Date of first issue: 16.02.2015
				2 h est Guideline 201 city at the limit of solubility.
Toxici icity)	ity to fish (Chronic tox-	:	Exposure time: 32 Method: OECD T	es promelas (fathead minnow)): 1 mg/l 2 d est Guideline 210 city at the limit of solubility.
	ity to daphnia and other ic invertebrates (Chron- icity)	:	Exposure time: 2	magna (Water flea)): 1,2 mg/l 1 d est Guideline 211
Toxici	ity to microorganisms	:	EC50: > 972 mg/ Exposure time: 3 Test Type: Respi Method: OECD T	h
			NOEC: 29,6 mg/l Exposure time: 3 Test Type: Respi Method: OECD T	
Magn	esium stearate:			
Toxici	ity to fish	:	Exposure time: 4 Method: DIN 384	
	Toxicity to daphnia and other aquatic invertebrates		Exposure time: 4 Test substance: V Method: Directive	Vater Accommodated Fraction 67/548/EEC, Annex V, C.2. on data from similar materials
Toxici plants	ity to algae/aquatic	:	mg/l Exposure time: 72 Test substance: V Method: OECD T	Nater Accommodated Fraction est Guideline 201 on data from similar materials
			mg/l Exposure time: 72 Test substance: V Method: OECD T	kirchneriella subcapitata (green algae)): > 1 2 h Vater Accommodated Fraction est Guideline 201 on data from similar materials
Toxici	ity to microorganisms	:	EC10 (Pseudomo Exposure time: 10	onas putida): > 100 mg/l 6 h



ersion .2	Revision Date: 28.09.2024		DS Number: 414-00026	Date of last issue: 30.09.2023 Date of first issue: 16.02.2015
				e: Water Accommodated Fraction ed on data from similar materials
Persi	stence and degradabi	lity		
<u>Com</u>	ponents:			
Cellu	lose:			
Biode	egradability	:	Result: Readily	biodegradable.
Leter	movir:			
Biode	egradability	:	Result: rapidly Biodegradation Exposure time:	: 50 %
Magr	nesium stearate:			
Biode	egradability	:		degradable ed on data from similar materials
Bioa	ccumulative potential			
Com	ponents:			
Leter	movir:			
	ion coefficient: n- ol/water	:	log Pow: 2,29	
Magr	nesium stearate:			
	ion coefficient: n- ol/water	:	log Pow: > 4	
Mobi	lity in soil			
Com	ponents:			
Leter	movir:			
	bution among environ- al compartments	:	log Koc: 3,46	
Othe	r adverse effects			
No da	ata available			

Disposal methods		
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 handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.





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Inter	national Regulations		
UNR Not re	TDG egulated as a dangerou	is good	
	-DGR egulated as a dangerou	is good	
-	G-Code egulated as a dangerou	is good	
	sport in bulk accordin	-	ARPOL 73/78 and the IBC Code
Dom	estic regulation		
ANT Not re	T egulated as a dangerou	is good	
-	ial precautions for us applicable	er	
ECTION	15. REGULATORY IN	FORMATION	
mixte	ure nal List of Carcinogenic	-	/legislation specific for the substance or s - : Not applicable
Brazi Polic	I. List of chemicals cont e	rolled by the Federa	I : Not applicable
The i	ingredients of this pro	duct are reported i	n the following inventories:
AICS	i	: not determine	d
DSL		: not determine	d
IECS	C	: not determine	d
ECTION	16. OTHER INFORMA	TION	
	sion Date format	: 28.09.2024 : dd.mm.yyyy	
Furth	ner information		
Sour comp	ces of key data used to bile the Material Safety		ical data, data from raw material SDSs, OECD search results and European Chemicals Ager

Full text of other abbreviations

Data Sheet

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

cy, http://echa.europa.eu/



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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 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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