

according to the Hazardous Products Regulations

## **Doravirine Formulation**

Version	Revision Date:	SDS Number:	Date of last issue: 07/06/2024
3.1	09/28/2024	58373-00027	Date of first issue: 02/16/2015

### **SECTION 1. IDENTIFICATION**

Product name	:	Doravirine Formulation
Other means of identification	:	No data available

### Manufacturer or supplier's details

Company name of supplier	:	Merck & Co., Inc
Address	:	126 E. Lincoln Avenue
		Rahway, New Jersey U.S.A. 07065
Telephone	:	908-740-4000
Emergency telephone	:	1-908-423-6000
E-mail address	:	EHSDATASTEWARD@merck.com

### Recommended use of the chemical and restrictions on use

Recommended use	:	Pharmaceutical
Restrictions on use	:	Not applicable

### **SECTION 2. HAZARDS IDENTIFICATION**

#### GHS classification in accordance with the Hazardous Products Regulations

Not a hazardous substance or mixture.

#### **GHS** label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

#### Other hazards

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	Common Name/Synonym	CAS-No.	Concentration (% w/w)
Cellulose	No data availa- ble	9004-34-6	>= 10 - < 30 *
Doravirine	3-Chloro-5-((1- ((4-methyl-5- oxo-4,5-dihydro- 1H-1,2,4-triazol- 3-yl)methyl)-2- oxo-4- (trifluoromethyl)- 1,2- dihydropyridin- 3-yl)oxy)benz		>= 10 - < 30 *
Magnesium stearate	Octadecanoic acid, magnesi-	557-04-0	>= 1 - < 5 *



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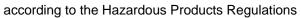
Version Revision Date: 3.1 09/28/2024		SDS Num 58373-00		Date of last issue: 07/06/2024 Date of first issue: 02/16/2015			
		um salt (2:1)					
Silico	n, amorphous	Silicon dioxide	112945-52-5		>= 1 - < 5 *		
* Actual concentration or concentration range is withheld as a trade secret							

### SECTION 4. FIRST AID MEASURES

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 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.

### **SECTION 5. FIRE-FIGHTING 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. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment	:	Wear self-contained breathing apparatus for firefighting if





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for fire	e-fighters		necessary. Use personal prot	ective equipment.
SECTION	6. ACCIDENTAL RELE	ASI	EMEASURES	
tive e	onal precautions, protec- quipment and emer- / procedures	:		ing advice (see section 7) and personal ent recommendations (see section 8).
Envir	onmental precautions	:	Retain and dispos	akage or spillage if safe to do so. se of contaminated wash water. should be advised if significant spillages
	ods and materials for inment and cleaning up	:	container for disper Avoid dispersal of with compressed Dust deposits sho surfaces, as these released into the a Local or national r disposal of this ma employed in the c determine which r Sections 13 and 1	dust in the air (i.e., clearing dust surfaces

### SECTION 7. HANDLING AND STORAGE

Technical measures	<ul> <li>Static electricity may accumulate and ignite suspended dust causing an explosion.</li> <li>Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.</li> </ul>
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 assessment
	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.
Conditions for safe storage	: Keep in properly labeled containers. Store in accordance with the particular national regulations.
Materials to avoid	<ul> <li>Do not store with the following product types:</li> <li>Strong oxidizing agents</li> </ul>



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#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Ingredients 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/m <sup>3</sup>	CA AB OEL
		TWA (Total dust)	10 mg/m <sup>3</sup>	CA BC OEL
		TWA (respir- able dust fraction)	3 mg/m <sup>3</sup>	CA BC OEL
		TWAEV (to- tal dust)	10 mg/m <sup>3</sup>	CA QC OEL
		TWA	10 mg/m <sup>3</sup>	ACGIH
Doravirine	1338225-97- 0	TWA	500 ug/m3 (OEB2)	Internal
Magnesium stearate	557-04-0	TWA	10 mg/m <sup>3</sup>	CA AB OEL
		TWAEV	10 mg/m <sup>3</sup>	CA QC OEL
		TWA (Inhal- able)	10 mg/m <sup>3</sup>	CA BC OEL
		TWÁ (Res- pirable)	3 mg/m <sup>3</sup>	CA BC OEL
		TWA (Inhalable particulate matter)	10 mg/m <sup>3</sup>	ACGIH
		TWA (Respirable particulate matter)	3 mg/m <sup>3</sup>	ACGIH
Silicon, amorphous	112945-52-5	TWAEV (respirable dust)	6 mg/m³	CA QC OEL

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 equipme	nt	
Respiratory protection	:	If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.
Filter type Hand protection	:	Particulates type
	:	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.



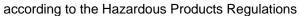
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	and body protection ne measures	<ul> <li>potential for direa</li> <li>aerosols.</li> <li>Work uniform or</li> <li>If exposure to cheve flushing systematic systemati</li></ul>	nemical is likely during typical use, provide tems and safety showers close to the not eat, drink or smoke. ated clothing before re-use. teration of a facility should include review of trols, proper personal protective equipment, owning and decontamination procedures, ne monitoring, medical surveillance and the

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Color	:	off-white
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
Flammability (solid, gas)	:	May form explosive dust-air mixture during processing, handling 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
Vapor pressure	:	Not applicable
Relative vapor density	:	Not applicable
Relative density	:	No data available
Density	:	No data available





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Wa Partitio octano	ility(ies) ater solubility on coefficient: n- ol/water jnition temperature	:	No data available Not applicable No data available	
Decon	nposition temperature	:	No data available	9
Viscos Vis	sity cosity, kinematic	:	Not applicable	
Explos	sive properties	:	Not explosive	
Oxidiz	ing properties	:	The substance o	r mixture is not classified as oxidizing.
Molec	ular weight	:	No data available	9
Particl Particl	le characteristics le size	:	No data available	9

### SECTION 10. STABILITY AND REACTIVITY

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

### SECTION 11. TOXICOLOGICAL INFORMATION

## Information on likely routes of exposure

Inhalation Skin contact Ingestion Eye contact

### Acute toxicity

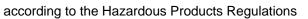
Not classified based on available information.

### **Components:**

### Cellulose:

Acute oral toxicity

: LD50 (Rat): > 5,000 mg/kg





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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			
<b>Dorav</b> Acute	ririne: oral toxicity	:	LD50 (Rat): > 750 Remarks: No moi	) mg/kg tality observed at this dose.			
			(Rat): Method: P Remarks: No evic	hototoxicity lence of phototoxicity was observed			
			LD50 (Dog): > 1,0 Remarks: No moi	000 mg/kg tality observed at this dose.			
			LD50 (Mouse): > Remarks: No moi	450 mg/kg tality observed at this dose.			
Magn	esium stearate:						
Acute	oral toxicity	:	Assessment: The icity	00 mg/kg est Guideline 423 substance or mixture has no acute oral tox- on data from similar materials			
Acute	dermal toxicity	:	LD50 (Rabbit): > Remarks: Based	2,000 mg/kg on data from similar materials			
Silico	n, amorphous:						
Acute	oral toxicity	:	LD50 (Rat): > 5,0 Method: OECD T Remarks: Based				
Acute	inhalation toxicity	:	tion toxicity	h			
Acute	dermal toxicity	:	LD50 (Rabbit): > Remarks: Based	5,000 mg/kg on data from similar materials			
	corrosion/irritation assified based on ava	ilable	information.				
	onents:						
<b>Dorav</b> Rema	-	:	No data available				



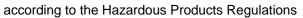
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Mag	nesium stearate:		
Spec		: Rabbit	
Resu		: No skin irrita	tion
Rem			ta from similar materials
Silic	on, amorphous:		
Spec	cies	: Rabbit	
Meth	od	: OECD Test (	Guideline 404
Resu	ılt	: No skin irrita	
Rem	arks	: Based on da	ta from similar materials
Serio	ous eye damage/eye	irritation	
Not c	classified based on av	ailable information.	
<u>Com</u>	ponents:		
	virine:		
Rem	arks	: No data avai	lable
Mag	nesium stearate:		
Spec	cies	: Rabbit	
Resu	ılt	: No eye irritat	tion
Rem	arks	: Based on da	ta from similar materials
Silic	on, amorphous:		
Spec	cies	: Rabbit	
Resu		: No eye irritat	lion
Meth	od	: OECD Test (	Guideline 405
Rem	arks	: Based on da	ta from similar materials
Resp	piratory or skin sens	itization	
Skin	sensitization		
Not o	classified based on av	ailable information.	
Resp	piratory sensitization	n	
Not o	classified based on av	ailable information.	
<u>Com</u>	ponents:		
Dora	wirine:		
Rem	arks	: No data avai	lable
Mag	nesium stearate:		
-	Туре	: Maximizatior	n Test
	es of exposure	: Skin contact	
Spec	•	: Guinea pig	
Meth	od	: OECD Test (	Guideline 406
Resu	ılt	: negative	
		-	



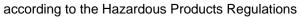
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Versi 3.1	ion	Revision Date: 09/28/2024		0S Number: 373-00027	Date of last issue: 07/06/2024 Date of first issue: 02/16/2015
	Remar	ks	:	Based on data fro	m similar materials
	Not cla	<b>cell mutagenicity</b> Issified based on availa Ionents:	able	information.	
	Cellulo	)se:			
		oxicity in vitro	:	Test Type: Bacter Result: negative	ial reverse mutation assay (AMES)
				Test Type: In vitro Result: negative	mammalian cell gene mutation test
	Genoto	oxicity in vivo	:	Test Type: Mamm cytogenetic assay Species: Mouse Application Route Result: negative	
	Doravi	rino.			
		oxicity in vitro	:	Test Type: Bacter Result: negative	al reverse mutation assay (AMES)
					osomal aberration ese hamster ovary cells
	Genoto	oxicity in vivo	:	Test Type: Micron Species: Rat Cell type: Bone m Application Route Result: negative	arrow
	Magne	sium stearate:			
	-	oxicity in vitro	:	Result: negative	mammalian cell gene mutation test on data from similar materials
				Method: OECD Te Result: negative	osome aberration test in vitro est Guideline 473 on data from similar materials
				Test Type: Bacter Result: negative	ial reverse mutation assay (AMES) on data from similar materials
		<b>n, amorphous:</b> oxicity in vitro	:	Test Type: Bacter Method: OECD Te	ial reverse mutation assay (AMES) est Guideline 471



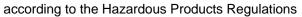


ersion .1	Revision Date: 09/28/2024		9S Number: 373-00027	Date of last issue: 07/06/2024 Date of first issue: 02/16/2015
			Result: negative Remarks: Base	e d on data from similar materials
Genc	otoxicity in vivo	:	cytogenetic test Species: Rat Application Rou Result: negative	
	<b>inogenicity</b> lassified based on availa	able	information.	
Com	ponents:			
Cellu	llose:			
	cation Route sure time	:	Rat Ingestion 72 weeks negative	
Dora	virine:			
	cation Route sure time It	:	Mouse Oral 6 Months negative No significant a	dverse effects were reported
Silico	on, amorphous:			
Spec Appli	ies cation Route sure time It	:	Rat Ingestion 103 weeks negative Based on data t	from similar materials
•	oductive toxicity lassified based on availa	able	information.	
Com	ponents:			
Cellu	llose:			
Effec	ts on fertility	:	Test Type: One Species: Rat Application Rou Result: negative	
Effec	ts on fetal development	:	Test Type: Fert Species: Rat Application Rou Result: negative	



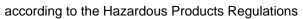


ersion 1	Revision Date: 09/28/2024	-	9S Number: 373-00027	Date of last issue: 07/06/2024 Date of first issue: 02/16/2015
Doray	virine:			
<b>Doravirine:</b> Effects on fertility		:	Test Type: Fertili Species: Rat, ma Fertility: NOAEL: Result: No effects	le and female 450 mg/kg body weight
Effect	s on fetal development	:	Species: Rat Application Route	oxicity: NOAEL: 450 mg/kg body weight
			Species: Rabbit Application Route	oxicity: NOAEL: 300 mg/kg body weight
Magn	esium stearate:			
-	s on fertility	:	reproduction/dev Species: Rat Application Route Method: OECD T Result: negative	ined repeated dose toxicity study with the elopmental toxicity screening test e: Ingestion fest Guideline 422 on data from similar materials
Effect	s on fetal development	:	Species: Rat Application Route Result: negative	yo-fetal development e: Ingestion on data from similar materials
Silico	n, amorphous:			
	s on fetal development	:	Species: Rat Application Route Result: negative	vo-fetal development e: Ingestion on data from similar materials
	<b>-single exposure</b> assified based on availa	ıble	information.	
	-repeated exposure	bla	information	
	assified based on availa ated dose toxicity	BICI	information.	
-	oonents:			
Cellul				
Speci	es	:	Rat	



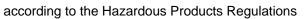


ersion 1	Revision Date: 09/28/2024	SDS Number: 58373-00027	Date of last issue: 07/06/2024 Date of first issue: 02/16/2015
	EL cation Route sure time	: >= 9,000 mg, : Ingestion : 90 Days	/kg
Dora	virine:		
	EL cation Route sure time	: Rat : 450 mg/kg : Oral : 6 Months : No significan	t adverse effects were reported
	EL cation Route sure time	: Mouse : > 450 mg/kg : Oral : 3 Months : No significan	t adverse effects were reported
	EL cation Route sure time	: Dog : > 1,000 mg/k : Oral : 9 Months : No significan	g t adverse effects were reported
Magn	nesium stearate:		
	EL cation Route sure time	: Rat : > 100 mg/kg : Ingestion : 90 Days : Based on da	ta from similar materials
Silico	on, amorphous:		
	EL cation Route sure time	: 13 Weeks	ust/mist/fume) ta from similar materials
-	ration toxicity lassified based on av	ailable information.	
Expe	rience with human o	exposure	
<u>Com</u>	ponents:		
Dorav	virine:		
Inges	tion		onfusion, Headache, Dizziness, Nausea, Rash, eams, flushing, Neurological disorders, mental





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SEC	TION 1	2. ECOLOGICAL INFO	DRN		
	<b>-</b>				
	Ecoto	-			
	<u>Comp</u>	onents:			
	<b>Cellul</b> Toxicit	<b>ose:</b> y to fish	:	Exposure time: 4	tipes (Japanese medaka)): > 100 mg/l 8 h on data from similar materials
	Dorav	irine:			
		y to daphnia and other c invertebrates	:	Exposure time: 4 Method: OECD T	nagna (Water flea)): > 39 mg/l 8 h est Guideline 202 icity at the limit of solubility.
				EC50 (Americam Exposure time: 9	
	Toxicit plants	y to algae/aquatic	:	mg/l Exposure time: 7 Method: OECD T	chneriella subcapitata (green algae)): > 5.8 2 h ïest Guideline 201 icity at the limit of solubility.
				mg/l Exposure time: 7 Method: OECD T	rchneriella subcapitata (green algae)): 5.8 2 h rest Guideline 201 ricity at the limit of solubility.
	Toxicit icity)	y to fish (Chronic tox-	:	Exposure time: 3 Method: OECD T	les promelas (fathead minnow)): 1 mg/l 2 d rest Guideline 210 icity at the limit of solubility.
		invertebrates (Chron-	:	Exposure time: 2 Method: OECD T	magna (Water flea)): 6.7 mg/l 1 d rest Guideline 211 ricity at the limit of solubility.
	Toxicit	y to microorganisms	:	EC50: > 1,000 m Exposure time: 3 Test Type: Respi Method: OECD T	ĥ
				NOEC: 1,000 mg Exposure time: 3 Test Type: Respi Method: OECD T	h





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Magn	esium stearate:				
Toxicity to fish		:	LC50 (Leuciscus idus (Golden orfe)): > 100 mg/l Exposure time: 48 h Method: DIN 38412 Remarks: Based on data from similar materials		
Toxicity to daphnia and other aquatic invertebrates		:	Exposure time: 47 Test substance: V Method: Directive	Vater Accommodated Fraction 67/548/EEC, Annex V, C.2. on data from similar materials	
	Toxicity to algae/aquatic plants		mg/l Exposure time: 72 Test substance: V Method: OECD To	Vater Accommodated Fraction est Guideline 201 on data from similar materials	
			mg/l Exposure time: 72 Test substance: V Method: OECD To	Vater Accommodated Fraction	
Toxici	Toxicity to microorganisms		Exposure time: 16 Test substance: V	onas putida): > 100 mg/l 6 h Vater Accommodated Fraction on data from similar materials	
Silico	on, amorphous:				
Toxici	Toxicity to fish		Exposure time: 96 Method: OECD To		
	Toxicity to daphnia and other aquatic invertebrates		Exposure time: 24 Method: OECD Te		
	Toxicity to algae/aquatic plants		mg/l Exposure time: 72 Method: OECD To		
			NOEC (Desmode mg/l Exposure time: 72	smus subspicatus (green algae)): 10,000 2 h	



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				Test Guideline 201 I on data from similar materials
Persi	istence and degradabi	lity		
Com	ponents:			
Cellu	llose:			
Biode	egradability	:	Result: Readily b	piodegradable.
Dora	virine:			
Biode	egradability	:	Result: Not read Biodegradation: Exposure time: 2	
Magr	nesium stearate:			
Biode	egradability	:	Result: Not biode Remarks: Based	egradable I on data from similar materials
Bioa	ccumulative potential			
Com	ponents:			
Partit	virine: ion coefficient: n- iol/water	:	log Pow: 2.08	
Partit	nesium stearate: ion coefficient: n- nol/water	:	log Pow: > 4	
Mobi	lity in soil			
Com	ponents:			
Distri	virine: bution among environ- al compartments	:	log Koc: 2.86	
	r adverse effects ata available			

Disposal methods		
Waste from residues	:	
		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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### **SECTION 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 Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### Domestic regulation

#### TDG

Not regulated as a dangerous good

#### Special precautions for user

Not applicable

### SECTION 15. REGULATORY INFORMATION

The ingredients of this product are reported in the following	inventories:
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AICS	:	not determined
DSL	:	not determined
IECSC	:	not determined

### SECTION 16. OTHER INFORMATION

Full text of other abbreviations				
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)		
CA AB OEL	:	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)		
CA BC OEL	:	Canada. British Columbia OEL		
CA QC OEL	:	Québec. Regulation respecting occupational health and safe- ty, Schedule 1, Part 1: Permissible exposure values for air- borne contaminants		
ACGIH / TWA		8-hour, time-weighted average		
CA AB OEL / TWA	:	8-hour Occupational exposure limit		
CA BC OEL / TWA		8-hour time weighted average		
CA QC OEL / TWAEV	:	Time-weighted average exposure value		

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

Sources of key data used to compile the Material 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/
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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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