

Vers 5.0	sion	Revision Date: 26.09.2023		0S Number: 463-00023	Date of last issue: 20.03.2023 Date of first issue: 09.10.2014	
SEC	SECTION 1: Identification of the substance/mixture and of the company/undertaking					
1.1	Product	t identifier				
	Trade r	name	:	Raltegravir Pediat	ric Granules Formulation	
1.2	Relevar	nt identified uses of t	he s	substance or mixtu	ure and uses advised against	
	Use of the Sub- stance/Mixture		:	Pharmaceutical		
	Recom on use	mended restrictions	:	Not applicable		
1.3 I	Details	of the supplier of the	saf	ety data sheet		
	Compa	ny	:	MSD 117 16th Road 1685 Halfway ho	use, Midrand, South Africa	
	Teleph	one	:	+27 11 655 3000		
		address of person sible for the SDS	:	EHSDATASTEW	ARD@msd.com	
1.4 Emergency telephone number						

+1-908-423-6000

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Serious eye damage, Category 1 Reproductive toxicity, Category 2 Specific target organ toxicity - single exposure, Category 3 H318: Causes serious eye damage. H361d: Suspected of damaging the unborn child. H335: May cause respiratory irritation.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms
Signal word
Hazard statements
H318 Causes serious eye damage. H335 May cause respiratory irritation. H361d Suspected of damaging the unborn child.



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S.0 26.09.2023 Precautionary statements		P261 Avoid brea P280 Wear prot tion/ face protectio Response: P304 + P340 + P3 air and keep comf CENTER/ doctor i	312 IF INHALED: Remove person to fresh ortable for breathing. Call a POISON f you feel unwell.
		with water for seven sent and easy to o POISON CENTER	 B38 + P310 IF IN EYES: Rinse cautiously eral minutes. Remove contact lenses, if predo. Continue rinsing. Immediately call a R/ doctor. Texposed or concerned: Get medical advice/

Hazardous components which must be listed on the label:

Raltegravir

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Contact with dust can cause mechanical irritation or drying of the skin.

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

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Raltegravir	871038-72-1	Eye Dam. 1; H318 Repr. 2; H361d STOT SE 3; H335	>= 20 - < 30
Ammonium hydroxide	1336-21-6 215-647-6 007-001-01-2	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 M-Factor (Acute aquatic toxicity): 1	>= 0,1 - < 0,25

For explanation of abbreviations see section 16.



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SECTION	V 4: First aid meas	ures	
4.1 Descri	iption of first aid me	asures	
Gene	ral advice	vice immediat	accident or if you feel unwell, seek medical ad- ely. Ims persist or in all cases of doubt seek medica
Prote	ction of first-aiders	and use the re	onders should pay attention to self-protection, ecommended personal protective equipment ential for exposure exists (see section 8).
lf inha	aled	: If inhaled, ren Get medical a	nove to fresh air. attention.
In cas	se of skin contact	of water. Remove cont Get medical a Wash clothing	ntact, immediately flush skin with soap and plen aminated clothing and shoes. attention. g before reuse. ean shoes before reuse.
In cas	se of eye contact	for at least 15 If easy to do,	ntact, immediately flush eyes with plenty of wate minutes. remove contact lens, if worn. ttention immediately.
lf swa	allowed	Get medical a	DO NOT induce vomiting. attention. thoroughly with water.
4.2 Most i	mportant symptom	s and effects, both a	cute and delaved
Risks		: Causes serior May cause re	us eye damage. spiratory irritation. damaging the unborn child.
		Contact with o the skin.	dust can cause mechanical irritation or drying of
4.3 Indica	tion of any immedia	te medical attention	and special treatment needed
Treat	-		matically and supportively.
SECTION	1 5: Firefighting m	easures	

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical

Unsuitable extinguishing : None known.



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media					
5.2 Specia	I hazards arising from	the	substance or	mixture	
Specific hazards during fire- fighting		:	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Exposure to combustion products may be a hazard to health.		
Hazaro ucts	Hazardous combustion prod- ucts		Carbon oxides Nitrogen oxide Fluorine comp Metal oxides	es (NOx)	
5.3 Advice	for firefighters				
	al protective equipment fighters	:		fire, wear self-contained breathing apparatus. protective equipment.	
Specif ods	Specific extinguishing meth- ods		cumstances a Use water spr	ning 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 a.	
SECTION	6: Accidental releas	se r	neasures		
6.1 Person	al precautions, protec	tive	equipment a	nd emergency procedures	
	Personal precautions		Use personal protective equipment. Follow safe handling advice (see section 7) and personal pr tective equipment recommendations (see section 8).		
6.2 Enviro	nmental precautions				
Environmental precautions		:	Prevent furthe Retain and dis	to the environment. r leakage or spillage if safe to do so. spose of contaminated wash water. es should be advised if significant spillages	

6.3 Methods and material for containment and cleaning up

	Add excess liquid to allow the material to enter into solution. Soak up with inert absorbent material. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Dust deposits should not be allowed to accumulate on surfac- es, as these may form an explosive mixture if they are re- leased into the atmosphere in sufficient concentration. Clean up remaining materials from spill with suitable absor- bent. Local or national regulations may apply to releases and dis-
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		employed in mine which r Sections 13	material, as well as those materials and items the cleanup of releases. You will need to deter- egulations are applicable. and 15 of this SDS provide information regarding or national requirements.
	ence to other sections ons: 7, 8, 11, 12 and 13.		
SECTION	N 7: Handling and sto	orage	
7.1 Preca	utions for safe handlin	Ig	
Tech	nical measures	causing an e Provide adeo	city may accumulate and ignite suspended dust xplosion. quate precautions, such as electrical grounding , or inert atmospheres.
Local	/Total ventilation		entilation is unavailable, use with local exhaust
	ene measures	: Avoid breath Do not swall Do not get in Avoid prolon Handle in ac practice, bas sessment Keep contair Already sens to asthma, a should consu- tory irritants Minimize dus Keep contair Keep away f Take precau Take care to environment	eyes. ged or repeated contact with skin. cordance with good industrial hygiene and safety ed on the results of the workplace exposure as- ner tightly closed. sitised individuals, and those susceptible llergies, chronic or recurrent respiratory disease, ult their physician regarding working with respira- or sensitisers. st generation and accumulation. her closed when not in use. rom heat and sources of ignition. tionary measures against static discharges. prevent spills, waste and minimize release to the
пудіє	ane measures	flushing syst place. When	ems and safety showers close to the working using do not eat, drink or smoke. Wash contami- g before re-use.
7.2 Condi	tions for safe storage,	including any in	compatibilities
	irements for storage and containers	tightly closed	erly labelled containers. Store locked up. Keep I. Keep in a cool, well-ventilated place. Store in with the particular national regulations.
Advid	ce on common storage	: Do not store Strong oxidiz	with the following product types: zing agents
7.3 Speci	fic end use(s)		
Spec	ific use(s)	: No data avai	lable



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Raltegravir	871038-72- 1	TWA	1000 µg/m3 (OEB 1)	Internal
Cellulose	9004-34-6	OEL-RL	10 mg/m3	ZA OEL
	Further information: Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents			

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Ammonium hydroxide	Fresh water	0,001 mg/l
	Freshwater - intermittent	0,008 mg/l
	Marine water	0,001 mg/l
	Soil	0,022 mg/kg dry
		weight (d.w.)

8.2 Exposure controls

Engineering measures

Minimize workplace exposure concentrations.

Apply measures to prevent dust explosions.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

If sufficient ventilation is unavailable, use with local exhaust ventilation.

Personal protective equipment

Eye/face protection :		Wear the following personal protective equipment: Chemical resistant goggles must be worn. If splashes are likely to occur, wear: Face-shield
Hand protection		
Material	:	Chemical-resistant gloves
Remarks Skin and body protection	:	Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous sub- stance and specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday. Select appropriate protective clothing based on chemical re- sistance data and an assessment of the local exposure poten- tial. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).



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Respiratory protection Filter type		 If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection. Particulates type (P) 						
ECTION	9: Physical and che	mic	al properties					
4 1								
	nation on basic physica	ii an	-	perties				
Colou	arance	•	powder off-white					
Odou		:	odourless					
	r Threshold	:	No data availa	ble				
pН		:	No data availa	ble				
Meltir	ng point/freezing point	:	No data availa	ble				
Initial range	boiling point and boiling	:	No data availa	ble				
	point	:	No data availa	ble				
Evap	oration rate	:	No data availa	ble				
Flam	nability (solid, gas)	:	May form expl dling or other r	osive dust-air mixture during processing, har neans.				
	r explosion limit / Upper nability limit	:	No data availa	ble				
	r explosion limit / Lower nability limit	:	No data availa	ble				
Vapo	ur pressure	:	No data availa	ble				
Relat	ive vapour density	:	No data availa	ble				
Relat	ive density	:	No data availa	ble				
	ility(ies)							
	ater solubility	:	No data availa					
	ion coefficient: n- ol/water		No data availa	ble				
	ignition temperature	:	No data availa	ble				
Deco	mposition temperature	:	No data availa	ble				
Visco Vis	sity scosity, kinematic	:	No data availa	ble				
Explo	sive properties	:	Not explosive					
Ovidi	zing properties		The substance	or mixture is not classified as oxidizing.				

9.2 Other information

SAFETY DATA SHEET



Raltegravir Pediatric Granules Formulation

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Flam	Flammability (liquids) : No		able	
Mole	cular weight	: No data avail	able	
Particle size		: No data avail	able	

SECTION 10: Stability and reactivity

10.1 Reactivity

Not classified as a reactivity hazard.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	May form explosive dust-air mixture during processing, han- dling or other means. Can react with strong oxidizing agents.
10.4 Conditions to avoid		
Conditions to avoid	:	Heat, flames and sparks. Avoid dust formation.
10.5 Incompatible materials		
Materials to avoid	:	Oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological e Information on likely routes of : exposure		fects Inhalation Skin contact Ingestion Eye contact
Acute toxicity		
Not classified based on available	le i	information.
Components:		
Raltegravir:		
Acute oral toxicity :	:	LD50 (Mouse, male and female): > 2.000 mg/kg
Ammonium hydroxide:		
Acute oral toxicity :	:	LD50 (Rat): 350 mg/kg
Acute inhalation toxicity :	:	Assessment: Corrosive to the respiratory tract.



Skin corrosion/irritation Not classified based on available information. Components: Rategravir: Species : Result : Result : Species : Result : Serious eye damage/eye irritation Causes serious eye damage. Components: Rategravir: Species : Species : Result :	ersion .0	Revision Date: 26.09.2023		OS Number: 463-00023	Date of last issue: 20.03.2023 Date of first issue: 09.10.2014
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11			Result: negativ	/e
				romosomal aberration D Test Guideline 473 /e
Geno	toxicity in vivo	:	Test Type: In v Species: Mous Result: negativ	
				romosomal aberration D Test Guideline 475 /e
	onium hydroxide:			
Geno	toxicity in vitro	:	Test Type: Bac Result: negativ	cterial reverse mutation assay (AMES) /e
II Carci	nogenicity			
Not cl	assified based on ava	ailable i	information.	
<u>Com</u> p	oonents:			
Ralte	gravir:			
Speci		:	Mouse, male a	ind female
Expos Resul	sure time It	:	Mouse, male a 104 weeks negative	Ind female
Expos Resul Repro Suspe <u>Comp</u> Raite	sure time	: : e unbor :	104 weeks negative n child. Test Type: Fer Species: Rat, r Application Ro	tility/early embryonic development male and female ute: Oral ty - Parent: NOAEL: 600 mg/kg body weight
Expos Resul Suspe <u>Comp</u> Raite	sure time It oductive toxicity ected of damaging the <u>conents:</u> gravir:	e unbor	104 weeks negative n child. Test Type: Fer Species: Rat, r Application Ro General Toxici Result: negativ Species: Rat Application Ro General Toxici Teratogenicity	tility/early embryonic development male and female ute: Oral ty - Parent: NOAEL: 600 mg/kg body weight /e ute: Oral ty Maternal: NOAEL: >= 600 mg/kg body weigh : LOAEL F1: 300 mg/kg body weight eletal malformations
Expos Resul Suspe <u>Comp</u> Raite Effect	sure time It oductive toxicity ected of damaging the <u>ponents:</u> gravir: ts on fertility	e unbor	104 weeks negative n child. Test Type: Fer Species: Rat, r Application Ro General Toxici Result: negativ Species: Rat Application Ro General Toxici Teratogenicity: Symptoms: Sk Result: positive Species: Rabb General Toxici weight	tility/early embryonic development male and female ute: Oral ty - Parent: NOAEL: 600 mg/kg body weight /e ute: Oral ty Maternal: NOAEL: >= 600 mg/kg body weigh : LOAEL F1: 300 mg/kg body weight eletal malformations e it ty Maternal: NOAEL: >= 1.000 mg/kg body : NOAEL: >= 1.000 mg/kg body weight



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sessr	nent		animal experime	ents.
	F - single exposure cause respiratory irritat	ion.		
Com	ponents:			
Ralte	gravir:			
Expo Targe	sure routes et Organs ssment	:	Inhalation Respiratory Trac May cause respi	
STO	F - repeated exposure	•		
	lassified based on avail		nformation.	
Repe	ated dose toxicity			
Com	ponents:			
Ralte	gravir:			
Expo		:	Dog 90 mg/kg Oral 371 d Vomiting	
Expo	EL		Rat 30 mg/kg 120 mg/kg Oral 189 d Stomach	
Expo	EL	:	Mouse 50 mg/kg 500 mg/kg Oral 14 Weeks Stomach	
Expo	EL		Rat 50 mg/kg 200 mg/kg Oral 8 Weeks Stomach	
Not c	ration toxicity lassified based on ava rience with human ex			

Components:

Raltegravir:



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Ingest	Ingestion		: Symptoms: Nausea, Diarrhoea, Headache, Fever, Rash, Skin irritation					
SECTION	12: Ecological infor	ma	nation					
12.1 Toxic	ity							
<u>Comp</u>	onents:							
Ralteç Toxicit	yravir: y to fish	:	LC50 (Pimephale Exposure time: 96 Method: OECD T					
			LC50 (Cyprinodor mg/l Exposure time: 96 Method: OECD T					
	y to daphnia and other c invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD T					
Toxicit plants	y to algae/aquatic	:	EC50 (Pseudokiro Exposure time: 96 Method: OECD T					
			NOEC (Pseudoki mg/l Exposure time: 96 Method: OECD T					
Toxicit	y to microorganisms	:	EC50 : > 1.000 m Exposure time: 3 Test Type: Respin Method: OECD T	h ation inhibition				
			NOEC : 1.000 mg Exposure time: 3 Test Type: Respin Method: OECD T	h ration inhibition				
Toxicit icity)	y to fish (Chronic tox-	:	NOEC: 9,3 mg/l Exposure time: 33 Species: Pimepha Method: OECD T	ales promelas (fathead minnow)				
	y to daphnia and other c invertebrates (Chron- city)		NOEC: 9,5 mg/l Exposure time: 2 [,] Species: Daphnia Method: OECD T	magna (Water flea)				
	onium hydroxide: y to fish	:	LC50 (Oncorhync	hus mykiss (rainbow trout)): 0,89 mg/l				



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			Exposure time: 96 Test substance: N	6 h Jeutralised product
	/ to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): 101 mg/l 3 h
M-Fact icity)	or (Acute aquatic tox-	:	1	
Toxicity icity)	y to fish (Chronic tox-	:		5
	y to daphnia and other invertebrates (Chron- ity)		Exposure time: 21 Species: Daphnia	

12.2 Persistence and degradability

Components:

Raltegravir: Biodegradability	: Result: rapidly degradable Biodegradation: 50 % Exposure time: 9 d Method: OECD Test Guideline 302B
Stability in water	: Hydrolysis: < 10 %(5 d) Method: OECD Test Guideline 111

12.3 Bioaccumulative potential

Components:

Raltegravir:		
Partition coefficient: n- octanol/water	:	log Pow: -0,328

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:
Assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Product:

Endocrine disrupting poten- : The substance/mixture does not contain components consid-



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REACH Article 57(f) or Commission Deleg			endocrine disrupting properties according to e 57(f) or Commission Delegated regulation 00 or Commission Regulation (EU) 2018/605 at or higher.
SECTION	N 13: Disposal con	siderations	
13.1 Wast	e treatment method	s	
13.1 Wast Produ		: Dispose of in a According to th are not produc Waste codes s discussion with	accordance with local regulations. he European Waste Catalogue, Waste Codes et specific, but application specific. should be assigned by the user, preferably in h the waste disposal authorities. e of waste into sewer.

14.1 UN number

ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.2 UN proper shipping name		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.3 Transport hazard class(es)		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.4 Packing group		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good



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RID		: Not regulated	as a dangerous good			
IMDG		: Not regulated	: Not regulated as a dangerous good			
IATA (Cargo)		: Not regulated	: Not regulated as a dangerous good			
IATA (Passenger)		: Not regulated as a dangerous good				
	14.5 Environmental hazards Not regulated as a dangerous good					
14.6 Special precautions for user Not applicable						
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code						
Remarks		: Not applicable	: Not applicable for product as supplied.			
Rema	11KS		e for product as supplied.			

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mix-ture

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

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Other information	Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.	on			
Full text of H-Statements					
H302 H314 H318 H335 H361d H400 H411	Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. May cause respiratory irritation. Suspected of damaging the unborn child. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.				
Full text of other abbreviations					
Acute Tox. Aquatic Acute Aquatic Chronic Eye Dam. Repr. Skin Corr.	Acute toxicity Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Serious eye damage Reproductive toxicity Skin corrosion				



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STOT SE		 Specific target organ toxicity - single exposure South Africa. The Regulations for Hazardous Chemical	
ZA OEL		Agents, Occupational Exposure Limits Occupational Exposure Limit Restricted limit - 8- hour expo-	
ZA OEL / OEL-RL		sure or equivalent (12 hour shifts)	
ADN - European Agreement concerning the Inte Waterways; ADR - Agreement concerning the Road; AIIC - Australian Inventory of Industrial C ing of Materials; bw - Body weight; CLP - Classi tion (EC) No 1272/2008; CMR - Carcinogen, Mu of the German Institute for Standardisation; DSI European Chemicals Agency; EC-Number - Eur associated with x% response; ELx - Loading rate cy Schedule; ENCS - Existing and New Chemic sociated with x% growth rate response; GHS - boratory Practice; IARC - International Agency to Transport Association; IBC - International Code			International Carriage of Dangerous Goods by emicals; ASTM - American Society for the Test- ication Labelling Packaging Regulation; Regula- agen or Reproductive Toxicant; DIN - Standard - Domestic Substances List (Canada); ECHA - opean Community number; ECx - Concentration associated with x% response; EmS - Emergen- I Substances (Japan); ErCx - Concentration as- Globally Harmonized System; GLP - Good La- or Research on Cancer; IATA - International Air

rying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - Interna-tional Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI -Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:	Classification procedure:	
Sources of key data used to :	Internal technical data, data from raw material SDSs, OECD	
compile the Safety Data	eChem Portal search results and European Chemicals Agen	
Sheet	cy, http://echa.europa.eu/	

H318	Calculation method
H361d	Calculation method
H335	Calculation method
	H361d

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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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