

Version 5.1	Revision Date: 26.09.2023		S Number: 425-00023	Date of last issue: 20.03.2023 Date of first issue: 09.10.2014
SECTION	1. IDENTIFICATION			
Produ	ict name	:	Raltegravir Pedia	atric Granules Formulation
Manu	facturer or supplier's	s deta	ils	
Comp	any	:	MSD	
Addre	SS	:		Alem St., 8 Floor rgentina C1001AFB
Telep	hone	:	908-740-4000	
Emer	gency telephone	:	1-908-423-6000	
E-mai	il address	:	EHSDATASTEV	VARD@msd.com
Reco	mmended use of the	chem	ical and restriction	ons on use
	mmended use ictions on use	:	Pharmaceutical Not applicable	

#### SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Serious eye damage/eye irritation	:	Category 1
Reproductive toxicity	:	Category 2
Specific target organ toxicity - single exposure	:	Category 3
Short-term (acute) aquatic hazard	:	Category 3
GHS label elements Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	H318 Causes serious eye damage. H335 May cause respiratory irritation. H361d Suspected of damaging the unborn child. H402 Harmful to aquatic life.
Precautionary Statements	:	Prevention:



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		P202 Do not and understo P261 Avoid b P271 Use on P273 Avoid re	reathing dust. y outdoors or in a well-ventilated area. elease to the environment. rotective gloves/ protective clothing/ eye protec-
		and keep con doctor if you f P305 + P351 water for seve and easy to d CENTER/ doo	+ P338 + P310 IF IN EYES: Rinse cautiously with eral minutes. Remove contact lenses, if present o. Continue rinsing. Immediately call a POISON
		<b>Storage:</b> P405 Store lo	cked up.
		<b>Disposal:</b> P501 Dispose disposal plan	e of contents/ container to an approved waste t.
Othe	r hazards which do r	ot result in classific	ation
		e mechanical irritation r mixture during proce	or drying of the skin. ssing, handling or other means.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Raltegravir	871038-72-1	>= 20 -< 25
Cellulose	9004-34-6	>= 20 -< 30
Magnesium stearate	557-04-0	>= 1 -< 5
Ammonium hydroxide	1336-21-6	>= 0,1 -< 0,25

#### **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.
In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes.



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In cas	se of eye contact	:	In case of contact for at least 15 min	fore reuse. shoes before reuse. t, immediately flush eyes with plenty of water nutes.
lf swa	llowed	:	Get medical atter If swallowed, DO Get medical atter	
	important symptoms ffects, both acute and ed	:	Causes serious e May cause respir Suspected of dan	
Prote	ction of first-aiders	:	First Aid responder	ers should pay attention to self-protection, mmended personal protective equipment al for exposure exists (see section 8).
Notes	s to physician	:		ically and supportively.
SECTION	5. FIRE-FIGHTING ME	ASL	JRES	
	5. FIRE-FIGHTING ME	ASL :	Water spray Alcohol-resistant Carbon dioxide (0	
Suital	ole extinguishing media itable extinguishing	<b>ASU</b> :	Water spray Alcohol-resistant	
Suital Unsu media	ble extinguishing media itable extinguishing a fic hazards during fire	<b>ASI</b> : :	Water spray Alcohol-resistant Carbon dioxide (C Dry chemical None known. Avoid generating concentrations, a potential dust exp	CO2) dust; fine dust dispersed in air in sufficient nd in the presence of an ignition source is a
Suital Unsu media Speci fightir	ble extinguishing media itable extinguishing a fic hazards during fire	<b>ASL</b> : :	Water spray Alcohol-resistant Carbon dioxide (C Dry chemical None known. Avoid generating concentrations, a potential dust exp	CO2) dust; fine dust dispersed in air in sufficient nd in the presence of an ignition source is a blosion hazard. bustion products may be a hazard to health. NOx)
Suital Unsu media Speci fightir Haza ucts	ble extinguishing media itable extinguishing fic hazards during fire	ASL : :	Water spray Alcohol-resistant Carbon dioxide (C Dry chemical None known. Avoid generating concentrations, a potential dust exp Exposure to com Carbon oxides Nitrogen oxides ( Fluorine compour Metal oxides Use extinguishing cumstances and Use water spray	CO2) dust; fine dust dispersed in air in sufficient nd in the presence of an ignition source is a blosion hazard. bustion products may be a hazard to health. NOx)

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

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.



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		26.09.2023	:	Retain and dispos Local authorities a cannot be contain Surround spill wit over the area to m Add excess liquid Soak up with iner Avoid dispersal or with compressed Dust deposits sho surfaces, as these released into the Clean up remaining absorbent. Local or national disposal of this m employed in the or	se of contaminated wash water. should be advised if significant spillages ned. In absorbents and place a damp covering ninimize entry of the material into the air. to allow the material to enter into solution. t absorbent material. If dust in the air (i.e., clearing dust surfaces air). Sould not be allowed to accumulate on the may form an explosive mixture if they are atmosphere in sufficient concentration. Ing materials from spill with suitable regulations may apply to releases and aterial, as well as those materials and items cleanup of releases. You will need to
				Sections 13 and 7	egulations are applicable. 5 of this SDS provide information regarding tional requirements.

#### SECTION 7. HANDLING AND STORAGE

Technical measures	:	Static electricity may accumulate and ignite suspended dust causing an explosion. Provide adequate precautions, such as electrical grounding
Local/Total ventilation	:	and bonding, or inert atmospheres. If sufficient ventilation is unavailable, use with local exhaust ventilation.
Advice on safe handling	:	Avoid breathing dust. Do not swallow. Do not get in eyes. Avoid prolonged or repeated contact with skin. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Keep container tightly closed. Already sensitized individuals, and those susceptible to asthma, allergies, chronic or recurrent respiratory disease, should consult their physician regarding working with respiratory irritants or sensitizers. 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 locked up. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations.
Materials to avoid	:	Do not store with the following product types:



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Strong oxidizing agents

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

#### Ingredients with workplace control parameters

• .	•			
Components	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	
		exposure)	concentration	
Raltegravir	871038-72-1	TŴA	1000 µg/m3 (OEB	Internal
			1)	
Cellulose	9004-34-6	CMP	10 mg/m <sup>3</sup>	AR OEL
		TWA	10 mg/m <sup>3</sup>	ACGIH
Magnesium stearate	557-04-0	CMP	10 mg/m <sup>3</sup>	AR OEL
	Further inform	ation: A4 - Not c	lassifiable as a huma	n carcinogen
		TWA	10 mg/m <sup>3</sup>	ACGIH
		(Inhalable		
		particulate		
		matter)		
		TWA	3 mg/m <sup>3</sup>	ACGIH
		(Respirable		
		particulate		
		matter)		
Ammonium hydroxide	1336-21-6	TWA	25 ppm	ACGIH
			(Ammonia)	
		STEL	35 ppm	ACGIH
			(Ammonia)	

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

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
Material	:	Chemical-resistant gloves
Remarks	:	Choose gloves to protect hands against chemicals depending on the concentration 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.
Eye protection	:	Wear the following personal protective equipment:



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		d body protection e measures	:	If splashes are like Face-shield Select appropriate resistance data ar potential. Skin contact must clothing (gloves, a If exposure to che eye flushing syste working place. When using do no	t goggles must be worn. ely to occur, wear: e protective clothing based on chemical nd an assessment of the local exposure be avoided by using impervious protective uprons, boots, etc). mical is likely during typical use, provide ms and safety showers close to the ot eat, drink or smoke. ed clothing before re-use.
SEC	TION 9.	PHYSICAL AND CHE	EMIC	CAL PROPERTIES	3
	Appear	ance	:	powder	
	Color		:	off-white	
	Odor		:	odorless	
	Odor Th	nreshold	:	No data available	)
	рН		:	No data available	)
	Melting	point/freezing point	:	No data available	)
	Initial bo range	oiling point and boiling	:	No data available	
	Flash p	oint	:	No data available	)
	Evapora	ation rate	:	No data available	)
	Flamma	ability (solid, gas)	:	May form explosi handling or other	ve dust-air mixture during processing, means.
	Flamma	ability (liquids)	:	No data available	)
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
	Vapor p	pressure	:	No data available	)
	Relative	e vapor density	:	No data available	)
	Relative	e density	:	No data available	)
	Solubili Wate	ty(ies) er solubility	:	No data available	2



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	octanol		:	No data available	
	-	nition temperature	:	No data available	
		position temperature	:	No data available	9
	Viscosi Visc	cosity, kinematic	:	No data available	9
	Explosi	ve properties	:	Not explosive	
	Oxidiziı	ng properties	:	The substance o	r mixture is not classified as oxidizing.
	Molecu	lar weight	:	No data available	9
	Particle	e size	:	No data available	9

#### SECTION 10. STABILITY AND REACTIVITY

Stable und May form of handling o	ied as a reactivity hazard. ler normal conditions. explosive dust-air mixture during processing, r other means. with strong oxidizing agents.
	es and sparks. formation.
Oxidizing a	
:	<ul> <li>Stable und</li> <li>May form of handling of Can react</li> <li>Heat, flam Avoid dust</li> <li>Oxidizing a</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.
Product: Acute oral toxicity :	Acute toxicity estimate: > 5.000 mg/kg Method: Calculation method
Components:	
Raltegravir: Acute oral toxicity :	LD50 (Mouse, male and female): > 2.000 mg/kg
Cellulose:	
Acute oral toxicity :	LD50 (Rat): > 5.000 mg/kg
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### SAFETY DATA SHEET



ersion I	Revision Date: 26.09.2023	-	S Number: 425-00023	Date of last issue: 20.03.2023 Date of first issue: 09.10.2014
Acute	e inhalation toxicity	:	LC50 (Rat): > Exposure time Test atmosphe	e: 4 h
Acute	e dermal toxicity	:	LD50 (Rabbit)	: > 2.000 mg/kg
-	nesium stearate: e oral toxicity	:	Assessment: Ticity	2.000 mg/kg D Test Guideline 423 The substance or mixture has no acute oral to: ed on data from similar materials
Acute	e dermal toxicity	:		: > 2.000 mg/kg ed on data from similar materials
Amm	onium hydroxide:			
Acute	e oral toxicity	:	LD50 (Rat): 38	50 mg/kg
Acute	e inhalation toxicity	:	Assessment: (	Corrosive to the respiratory tract.
Not c	corrosion/irritation lassified based on avai ponents:	lable	information.	
<b>Ralte</b> Speci Resu		:	Rabbit No skin irritatio	on
<b>Magr</b> Speci Resu Rema	lt	:	Rabbit No skin irritatio Based on data	on a from similar materials
Amm	onium hydroxide:			
Speci Resu Rema	lt	:		r 3 minutes to 1 hour of exposure onal or regional regulation.
	o <b>us eye damage/eye ir</b> es serious eye damage		on	
<u>Com</u>	ponents:			
<b>Ralte</b> Speci	gravir:		Davis	
Snec			Bovine cornea	

Species	:	Bovine cornea
Result	:	Severe irritation



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	-	esium stearate:		Rabbit	
	Specie Result Remai		:	No eye irritation	m similar materials
		onium hydroxide:			
	Result Remai		:	Irreversible effects Based on skin cor	
	Respi	ratory or skin sensitiz	zatio	n	
		ensitization assified based on availa	able	information.	
	-	ratory sensitization assified based on availa	able	information.	
	<u>Comp</u>	onents:			
	Ralteg Test T Specie Result	ype es	:	Local lymph node Mouse negative	assay (LLNA)
	Magne	esium stearate:			
	Test T	ype s of exposure es d		Maximization Test Skin contact Guinea pig OECD Test Guide negative Based on data fro	
		cell mutagenicity	- 1. 1 -	to formation a	
		assified based on availa onents:	able	information.	
	Ralteg				
	Genot	oxicity in vitro	:	Test Type: reverse Result: negative	e mutation assay
				Test Type: Alkalin Test system: rat h Result: negative	
				Test Type: Chrom Method: OECD Te Result: negative	osomal aberration est Guideline 473
	Genot	oxicity in vivo	:	Test Type: In vivo Species: Mouse Result: negative	micronucleus test



sion	Revision Date: 26.09.2023	SDS Number: 20425-00023	Date of last issue: 20.03.2023 Date of first issue: 09.10.2014
			romosomal aberration D Test Guideline 475 ve
Cellu	lose:		
Geno	toxicity in vitro	: Test Type: Ba Result: negati	cterial reverse mutation assay (AMES) ve
		Test Type: In Result: negati	vitro mammalian cell gene mutation test ve
Geno	toxicity in vivo	cytogenetic as Species: Mou	se pute: Ingestion
Magn	esium stearate:		
Geno	toxicity in vitro	Result: negati	vitro mammalian cell gene mutation test ve sed on data from similar materials
		Method: OEC Result: negati	rromosome aberration test in vitro D Test Guideline 473 ve sed on data from similar materials
		Result: negati	cterial reverse mutation assay (AMES) ve sed on data from similar materials
Amm	onium hydroxide:		
	toxicity in vitro	: Test Type: Ba Result: negati	cterial reverse mutation assay (AMES) ve
	nogenicity assified based on av	ailable information.	
Comp	oonents:		
Ralte	gravir:		
Speci		: Mouse, male	and female
Expos Resul	sure time t	: 104 weeks : negative	
	lose:		
Cellu		_	
<b>Cellu</b> Speci		: Rat	
Speci Applic		: Rat : Ingestion : 72 weeks	



ersion 1	Revision Date: 26.09.2023	-	9S Number: 425-00023	Date of last issue: 20.03.2023 Date of first issue: 09.10.2014
Repro	oductive toxicity			
	ected of damaging the u	nbo	rn child.	
	oonents:			
	gravir:			
	ts on fertility	:	Species: Rat, ma Application Route	
Effect	ts on fetal development	:	Teratogenicity: L	e: Oral Maternal: NOAEL: >= 600 mg/kg body weigł OAEL F1: 300 mg/kg body weight etal malformations.
			weight	Maternal: NOAEL: >= 1.000 mg/kg body OAEL: >= 1.000 mg/kg body weight
Repro sessn	oductive toxicity - As- nent	:	Some evidence o animal experimer	f adverse effects on development, based or nts.
Cellu	lose:			
Effect	ts on fertility	:	Test Type: One-c Species: Rat Application Route Result: negative	eneration reproduction toxicity study
Effect	ts on fetal development	:	Test Type: Fertilit Species: Rat Application Route Result: negative	y/early embryonic development
Magn	esium stearate:			
-	ts on fertility	:	reproduction/deve 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	ts on fetal development	:	Species: Rat Application Route Result: negative	vo-fetal development e: Ingestion on data from similar materials



ersion .1	Revision Date: 26.09.2023	SDS Number: 20425-00023	Date of last issue: 20.03.2023 Date of first issue: 09.10.2014
STOT	-single exposure		
May o	cause respiratory irrita	ation.	
Com	ponents:		
Ralte	gravir:		
Route	es of exposure	: Inhalation	
	et Organs	: Respiratory	
Asses	ssment	: May cause re	espiratory irritation.
STOT	<b>F</b> -repeated exposure		
	lassified based on ava		
Repe	ated dose toxicity		
Com	ponents:		
Ralte	gravir:		
Speci		: Dog	
NOAE		: 90 mg/kg	
	cation Route	: Oral : 371 d	
Symp	sure time	: Vomiting	
		-	
Speci		: Rat	
NOAE LOAE		: 30 mg/kg : 120 mg/kg	
	cation Route	: Oral	
	sure time	: 189 d	
	et Organs	: Stomach	
Speci	ies	: Mouse	
NOAE	EL	: 50 mg/kg	
LOAE		: 500 mg/kg	
Applic	cation Route	: Oral	
	sure time et Organs	: 14 Weeks : Stomach	
Targe	et Organs	. Stomach	
Speci		: Rat	
NOAE		: 50 mg/kg	
LOAE	L Cation Route	: 200 mg/kg : Oral	
	sure time	: 8 Weeks	
	et Organs	: Stomach	
Cellu	lose.		
Speci		: Rat	
NOAE		: >= 9.000  mg	/ka
	cation Route	: Ingestion	
	sure time	: 90 Days	
Magn	esium stearate:		
Speci		: Rat	
NOAE		: > 100 mg/kg	



ersion 1	Revision Date: 26.09.2023		9S Number: 425-00023	Date of last issue: 20.03.2023 Date of first issue: 09.10.2014	
	cation Route sure time arks	:	Ingestion 90 Days Based on data from similar materials		
	ration toxicity classified based on availa	ble	information.		
Expe	erience with human exp	osu	ire		
<u>Com</u>	ponents:				
Ralte Inges	egravir: stion	:	Symptoms: Naus irritation	ea, Diarrhea, Headache, Fever, Rash, Skin	
ECTION	12. ECOLOGICAL INFO	ORN	IATION		
Ecot	oxicity				
	ponents:				
Ralte	egravir:				
	sity to fish	:	Exposure time: 9	s promelas (fathead minnow)): > 100 mg/l 5 h est Guideline 203	
			mg/l Exposure time: 90	n variegatus (sheepshead minnow)): > 100 6 h est Guideline 203	
	tity to daphnia and other tic invertebrates	:	Exposure time: 48	nagna (Water flea)): > 100 mg/l 3 h est Guideline 202	
Toxic plant	sity to algae/aquatic s	:	Exposure time: 9	chneriella subcapitata (green algae)): 66 m 5 h est Guideline 201	
			NOEC (Pseudoki mg/l Exposure time: 90 Method: OECD T		
Toxic icity)	to fish (Chronic tox-	:	Exposure time: 33	es promelas (fathead minnow)): 9,3 mg/l 3 d est Guideline 210	
	city to daphnia and other tic invertebrates (Chron- ricity)		Exposure time: 2	magna (Water flea)): 9,5 mg/l 1 d est Guideline 211	
Toxic	ity to microorganisms	:	EC50: > 1.000 m Exposure time: 3 Test Type: Respi	ĥ	



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				Method: OECD Te NOEC: 1.000 mg/ Exposure time: 3	l
				Test Type: Respiration inhibition Method: OECD Test Guideline 209	
	Cellulo	se:			
	Toxicity to fish		:	LC50 (Oryzias latipes (Japanese medaka)): > 100 mg/l Exposure time: 48 h Remarks: Based on data from similar materials	
	Magne	sium stearate:			
	Toxicity to fish		:	Exposure time: 48 Method: DIN 3841	
		to daphnia and other 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 plants	v to algae/aquatic	:	mg/l Exposure time: 72 Test substance: V Method: OECD Te	Vater Accommodated Fraction est Guideline 201 on data from similar materials
				mg/l Exposure time: 72 Test substance: V Method: OECD Te	Vater Accommodated Fraction
	Toxicity	to microorganisms	:	Exposure time: 16 Test substance: V	nas putida): > 100 mg/l 5 h Vater Accommodated Fraction on data from similar materials
	Ammo	nium hydroxide:			
	Toxicity	-	:	Exposure time: 96	hus mykiss (rainbow trout)): 0,89 mg/l i h leutralized product
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): 101 mg/l s h



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	tor (Acute aquatic tox-	:	1	
	icity) Toxicity to fish (Chronic tox- icity) Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity) <b>Persistence and degradabili</b>		: NOEC (Oncorhynchus mykiss (rainbow trout)): 0,0135 n Exposure time: 73 d Test substance: Neutralized product	
aquati			NOEC (Daphnia magna (Water flea)): 0,961 mg/l Exposure time: 21 d Remarks: Based on data from similar materials	
Persis				
<u>Comp</u>	onents:			
Ralteg	gravir:			
Biode	gradability	:	Result: rapidly de Biodegradation: Exposure time: 9 Method: OECD T	50 %
Stabili	ty in water	:	Hydrolysis: < 10 9 Method: OECD T	
Cellul	ose:			
Biode	gradability	:	Result: Readily b	odegradable.
Magne	esium stearate:			
-	gradability	:	Result: Not biode Remarks: Based	gradable on data from similar materials
Bioac	cumulative potential			
<u>Comp</u>	onents:			
Ralteg	gravir:			
	on coefficient: n- bl/water	:	log Pow: -0,328	
Partitic	esium stearate: on coefficient: n- ol/water	:	log Pow: > 4	
	ty in soil			
	ta available			
	adverse effects ta available			

Disposal methods

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



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Conta	aminated packaging	handling site f	ers should be taken to an approved waste or recycling or disposal. e specified: Dispose of as unused product.				
ECTION	14. TRANSPORT INF	ORMATION					
Interr	national Regulations						
<b>UNRT</b> Not re	<b>FDG</b> egulated as a dangero	us good					
IATA- Not re	-DGR egulated as a dangero	us 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.						
-	ial precautions for us	ser					
ECTION	15. REGULATORY IN	FORMATION					
Safet mixtu		mental regulations/	legislation specific for the substance or				
Argen Regis	ntina. Carcinogenic Su stry.	bstances and Agents	: Not applicable				
	ol of precursors and eauration of drugs.	ssential chemicals for	the : Not applicable				
The i	ngredients of this pro	oduct are reported i	n the following inventories:				
AICS		: not determine	b				
DSL		: not determine	b				
IECS	C	: not determined	b				
SECTION	16. OTHER INFORM						

#### Further information

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

#### Full text of other abbreviations



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ACGIH AR OEL		<ul><li>: USA. ACGIH Threshold Limit Values (TLV)</li><li>: Argentina. Occupational Exposure Limits</li></ul>			
ACGIH / TWA ACGIH / STEL AR OEL / CMP		: Short-term ex	8-hour, time-weighted average Short-term exposure limit TLV (Threshold Limit 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 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 - Verv Persistent and Verv 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 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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