

Ertapenem Formulation

Vers 5.2	sion	Revision Date: 28.09.2024		0S Number: 992-00023	Date of last issue: 26.09.2023 Date of first issue: 03.11.2014
SEC		1: Identification of	the	substance/mixt	ure and of the company/undertaking
1.1	Product Trade r	t identifier name	:	Ertapenem Form	ulation
1.2 Relevant identified uses of Use of the Sub- stance/Mixture		he s :		ure and uses advised against	
	Recom on use	mended restrictions	:	Not applicable	
1.3	Details	of the supplier of the	saf	ety data sheet	
	Compa		:	MSD 117 16th Road	use, Midrand, South Africa
	Telepho	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)

Respiratory sensitisation, Category 1	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Short-term (acute) aquatic hazard, Cate- gory 1	H400: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, Cat- egory 2	H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

:

Hazard pictograms



Signal word

Hazard statements

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.



Ertapenem Formulation

Version 5.2	Revision Date: 28.09.2024	SDS Num 20992-000		Date of last issue: 26.09.2023 Date of first issue: 03.11.2014
		H410	Very toxic	to aquatic life with long lasting effects.
Precau	utionary statements	P273	Avoid brea Avoid relea	thing dust. ase to the environment. iratory protection.
		keep co P342 + POISOI	P340 IF	

Hazardous components which must be listed on the label:

Ertapenem

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.

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

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Ertapenem	153773-82-1	Resp. Sens. 1; H334 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 M-Factor (Acute aquatic toxicity): 1	>= 70 - < 90

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of 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



Ertapenem Formulation

Version 5.2	Revision Date: 28.09.2024	SDS Number: 20992-00023	Date of last issue: 26.09.2023 Date of first issue: 03.11.2014
		vice immedi	of accident or if you feel unwell, seek medical ad- iately. toms persist or in all cases of doubt seek medica
Protection of first-aiders		and use the	ponders should pay attention to self-protection, recommended personal protective equipment otential for exposure exists (see section 8).
lf inha	aled	If not breath	emove to fresh air. ning, give artificial respiration. is difficult, give oxygen. I attention.
In cas	se of skin contact		vater and soap. I attention if symptoms occur.
In cas	se of eye contact		nse well with water. I attention if irritation develops and persists.
lf swa	llowed	Get medical	d, DO NOT induce vomiting. I attention if symptoms occur. h thoroughly with water.
4.2 Most i	mportant symptoms	and effects, both	acute and delayed
Risks		: May cause a ties if inhale	allergy or asthma symptoms or breathing difficul- d.
		other respira tive airways Contact with the skin.	exposure may aggravate preexisting asthma and atory disorders (e.g. emphysema, bronchitis, read dysfunction syndrome). In dust can cause mechanical irritation or drying o at with the eyes can lead to mechanical irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment	
-----------	--

: Treat symptomatically and supportively.

SECTION 5: Firefighting measures

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



Version 5.2	Revision Date: 28.09.2024		992-00023	Date of last issue: 26.09.2023 Date of first issue: 03.11.2014	
5.2 Spec	al hazards arising from	the	substance or mix	xture	
•	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.		
Haza ucts	Hazardous combustion prod- ucts		Carbon oxides Metal oxides		
5.3 Advid	e for firefighters				
	Special protective equipment for firefighters			e, wear self-contained breathing apparatus. ective equipment.	
Spec ods	tific 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	

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
6.2 Environmental precautions Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water.

cannot be contained.

Local authorities should be advised if significant spillages

6.3 Methods and material for containment and cleaning up

Methods for cleaning up	Curreyed enill with obserbants and place a doma sovering
Methods for cleaning up	: Surround spill with absorbents and place a damp covering over the area to minimise entry of the material into the air.
	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-
	posal of this material, as well as those materials and items
	employed in the cleanup of releases. You will need to deter-
	mine which regulations are applicable.
	Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.



Version	Revision Date:	SDS Number:	Date of last issue: 26.09.2023
5.2	28.09.2024	20992-00023	Date of first issue: 03.11.2014

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures	: Static electricity may accumulate and ignite suspended dust causing an explosion.
	Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
Local/Total ventilation	: Use only with adequate ventilation.
Advice on safe handling	: Do not breathe dust.
5	Do not swallow.
	Avoid contact with 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 as-
	sessment
	Keep container tightly closed.
	Already sensitised individuals, and those susceptible
	to asthma, allergies, chronic or recurrent respiratory disease,
	should consult their physician regarding working with respira- tory irritants or sensitisers.
	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.
Hygiene measures	: If exposure to chemical is likely during typical use, provide eye
,,,	flushing systems and safety showers close to the working
	place. When using do not eat, drink or smoke. Wash contami-
	nated clothing before re-use.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	:	Keep in properly labelled containers. Keep tightly closed. Store in accordance with the particular national regulations.
Advice on common storage	:	Do not store with the following product types: Strong oxidizing agents
7.3 Specific end use(s) Specific use(s)	:	No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components CAS-No. Value type (Form Control parameters Basis
--



Ver 5.2	sion	Revision Da 28.09.2024		Number: 92-00023	ate of last issue: 26.09.2023 ate of first issue: 03.11.2014	
				of exposure)		
	Ertape	enem	153773-82- 1	TWA	0.15 mg/m3 (OEB 2)	Internal
			Further inform	hation: RSEN	•	

8.2 Exposure controls

Engineering measures

Ensure adequate ventilation, especially in confined areas.

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).

Personal protective equipment

Eye/face protection	:	Wear the following personal protective equipment: Safety goggles
Hand protection		
Material	:	Chemical-resistant gloves
Remarks	:	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.
Skin and body protection	:	Skin should be washed after contact.
Respiratory protection	:	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection.
Filter type	:	Particulates type (P)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

		a ononioui proport
Appearance Colour Odour Odour Threshold	:	powder white No data available No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling	:	No data available
range Flash point	:	No data available
Evaporation rate	:	No data available



Ertapenem Formulation

Ver 5.2	sion	Revision Date: 28.09.2024		S Number: 992-00023	Date of last issue: 26.09.2023 Date of first issue: 03.11.2014
	Flamm	ability (solid, gas)	:	May form explosi dling or other me	ive dust-air mixture during processing, han- ans.
		explosion limit / Upper bility limit	:	No data available	9
		explosion limit / Lower bility limit	:	No data available	9
	Vapour	pressure	:	No data available	9
	Relativ	e vapour density	:	No data available	9
	Relativ	e density	:	No data available	9
	Density	,	:	No data available	9
	Partitio octanol	er solubility n coefficient: n-	:	No data available No data available No data available	9
	Decom	position temperature	:	No data available	9
		ty cosity, dynamic cosity, kinematic	:	No data available	
		ve properties		Not explosive	
	•	ng properties	:	·	r mixture is not classified as oxidizing.
9.2		iformation ability (liquids)	:	No data available	9
	Molecu	lar weight	:	No data available	9
	Particle	size	:	No data available	9

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, handling or other means.

:



Versic 5.2	on Revision Date: 28.09.2024		DS Number: 9992-00023	Date of last issue: 26.09.2023 Date of first issue: 03.11.2014
			Can react with st	trong oxidizing agents.
10.4 C	Conditions to avoid			
	Conditions to avoid	:	Heat, flames and Avoid dust forma	
10.5 li	ncompatible materials			
Ν	laterials to avoid	:	Oxidizing agents	
10.6 H	lazardous decomposition	pro	ducts	
Ν	lo hazardous decomposition	pro	ducts are known.	
SECT	FION 11: Toxicological in	nfor	mation	
44 4 6	nformation on toxicologica		foots	
	nformation on likely routes of		Inhalation	
	xposure	•••	Skin contact	
	•		Ingestion	
			Eye contact	
A	cute toxicity			
Ν	lot classified based on availa	able	information.	
<u>C</u>	components:			
E	rtapenem:			
А	cute oral toxicity	:	LD50 (Mouse): >	500 mg/kg
	cute toxicity (other routes of dministration)	:	LD50 (Mouse): > Application Route	
			LD50 (Rat): > 700 Application Route	
	kin corrosion/irritation	able	information.	
<u>c</u>	components:			
E	rtapenem:			
	species	:	Rabbit	
R	Result	:	No skin irritation	
S	erious eye damage/eye irr	itati	ion	
	lot classified based on availa			
<u>c</u>	components:			
E	rtapenem:			
S	species	:	Rabbit	
R	Result	:	Mild eye irritation	



ersion 2	Revision Date: 28.09.2024		lumber: -00023	Date of last issue: 26.09.2023 Date of first issue: 03.11.2014
Respi	ratory or skin sensi	tisation		
	sensitisation assified based on ava	ailable info	rmation.	
-	ratory sensitisation ause allergy or asthm		ms or brea	athing difficulties if inhaled.
<u>Comp</u>	onents:			
Ertape	enem:			
	sure routes sment	: Pro		ust/mist/fume) f respiratory sensitisation in humans based o a
Result	t		sitive	9
Germ	cell mutagenicity			
	assified based on ava	ailable info	rmation.	
<u>Comp</u>	onents:			
Ertape	enem:			
Genot	oxicity in vitro		st Type: B sult: nega	acterial reverse mutation assay (AMES) tive
		Te		Ikaline elution assay rat hepatocytes tive
		Te		Chromosomal aberration Chinese hamster ovary cells tive
		Te		n vitro mammalian cell gene mutation test human lymphoblastoid cells tive
Genot	oxicity in vivo	Sp	st Type: M ecies: Mo sult: nega	
Carcir	nogenicity			
	assified based on ava	ailable info	rmation.	
-	ductive toxicity assified based on ava	ailable info	rmation.	
<u>Comp</u>	onents:			
Ertape	enem:			
-	s on fertility	Sp Ap Fe	ecies: Rat plication F rtility: NO	ertility/early embryonic development Route: Intravenous AEL: 700 mg/kg body weight ffects on fertility and early embryonic develop

Application Route

Exposure time

Target Organs

Remarks



Ertapenem Formulation

Version 5.2	Revision Date: 28.09.2024	SDS Number: 20992-00023	Date of last issue: 26.09.2023 Date of first issue: 03.11.2014
		ment were det	ected.
		Test Type: Fei Species: Mous Fertility: NOAE Result: No effe	se EL: 700
Effect ment	ts on foetal develop-	Developmenta	
		Developmenta Symptoms: Re	se oute: Intravenous injection Il Toxicity: NOAEL: 350 mg/kg body weight educed body weight mechanism or mode of action may not be rele
Not c	 single exposure lassified based on avail repeated exposure 		
	lassified based on avai		
Repe	ated dose toxicity		
Com	oonents:		
-	enem:		
Expos	EL cation Route sure time et Organs	: Rat : 2 mg/kg : Intravenous : 2 Weeks : Blood : The mechanis mans.	m or mode of action may not be relevant in hu
Expo	EL cation Route sure time et Organs	: Rat : 60 mg/kg : Intravenous : 6 Months : Blood : The mechanis mans.	m or mode of action may not be relevant in hu
Speci NOAE LOAE	ΞL	: Monkey : 360 mg/kg : 500 mg/kg	

: The mechanism or mode of action may not be relevant in hu-

: Intravenous

: Liver, Kidney

: 27 Weeks



Version 5.2	Revision Date: 28.09.2024	-	992-00023	Date of last issue: 26.09.2023 Date of first issue: 03.11.2014
			mans.	
Not c	r <mark>ation toxicity</mark> lassified based on availa rience with human exp			
-	ponents:	030		
	penem:	:		/ cause sensitisation by inhalation. arrhoea, Nausea, Headache, vaginitis
SECTION	N 12: Ecological infor	ma	tion	
2.1 Toxi	city			
Com	ponents:			
-	benem: ity to fish	:	LC50 (Pimeph Exposure time	nales promelas (fathead minnow)): > 1.000 mg/l e: 96 h
	ity to daphnia and other tic invertebrates	:	EC50 (Daphni Exposure time	a magna (Water flea)): > 500 mg/l e: 48 h
Toxic plants	ity to algae/aquatic s	:	mg/l Exposure time	okirchneriella subcapitata (green algae)): > 51 e: 72 h D Test Guideline 201
			mg/l Exposure time	lokirchneriella subcapitata (green algae)): 51 e: 72 h D Test Guideline 201
			Exposure time	ena flos-aquae): 0,23 mg/l e: 72 h D Test Guideline 201
			Exposure time	aena flos-aquae): 0,13 mg/l e: 72 h D Test Guideline 201
M-Fa icity)	ctor (Acute aquatic tox-	:	1	
Toxic	ity to microorganisms	:	EC10 : 3,9 mg Exposure time Test Type: Re	
Toxic icity)	ity to fish (Chronic tox-	:		



Ertapenem Formulation

Versior 5.2	Revision Date: 28.09.2024	-	DS Number: 992-00023	Date of last issue: 26.09.2023 Date of first issue: 03.11.2014
aq	xicity to daphnia and other uatic invertebrates (Chron- toxicity)	:		1 d a magna (Water flea) est Guideline 211
12.2 Pe	ersistence and degradabil	ity		
<u>Cc</u>	omponents:			
	tapenem: odegradability	:	Result: Not readil Biodegradation: Exposure time: 23 Method: OECD T	4,7 %
Sta	ability in water	:	Degradation half	life (DT50): 15,3 d
12.3 Bi	oaccumulative potential			
	omponents:			
Pa	tapenem: Irtition coefficient: n- tanol/water	:	log Pow: -2,22	
	obility in soil o data available			
12.5 Re	esults of PBT and vPvB as	sse	ssment	
	<u>oduct:</u> sessment	:	to be either persis	nixture contains no components considered stent, bioaccumulative and toxic (PBT), or nd very bioaccumulative (vPvB) at levels of
12.6 Ot	her adverse effects			
	<u>oduct:</u> docrine disrupting poten- l	:	ered to have ende REACH Article 57	ixture does not contain components consid- ocrine disrupting properties according to 7(f) or Commission Delegated regulation or Commission Regulation (EU) 2018/605 at higher.
	ON 13: Disposal consic aste treatment methods	lera	ations	

Product

: Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in



Version 5.2	Revision Date: 28.09.2024		992-00023	Date of last issue: 26.09.2023 Date of first issue: 03.11.2014					
Conta	 discussion with the waste disposal authorities. Do not dispose of waste into sewer. Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. 								
SECTION	SECTION 14: Transport information								
14.1 UN n	umber								
ADN		:	UN 3077						
ADR		:	UN 3077						
RID		:	UN 3077						
IMDG	ì	:	UN 3077						
ΙΑΤΑ		:	UN 3077						
14.2 UN p	roper shipping name								
ADN		:	ENVIRONMENT N.O.S. (Ertapenem)	ALLY HAZARDOUS SUBSTANCE, SOLID,					
ADR		:	ENVIRONMENTA N.O.S. (Ertapenem)	ALLY HAZARDOUS SUBSTANCE, SOLID,					
RID		:	ENVIRONMENT N.O.S. (Ertapenem)	ALLY HAZARDOUS SUBSTANCE, SOLID,					
IMDG	ì	:	ENVIRONMENT N.O.S. (Ertapenem)	ALLY HAZARDOUS SUBSTANCE, SOLID,					
ΙΑΤΑ		:	Environmentally I (Ertapenem)	hazardous substance, solid, n.o.s.					
14.3 Trans	sport hazard class(es)								
			Class	Subsidiary risks					
ADN		:	9	-					
ADR		:	9						
RID		:	9						
IMDG	ì	:	9						
ΙΑΤΑ		:	9						
14.4 Pack	ing group								
Class	ng group ification Code rd Identification Number s	: :	III M7 90 9						
ADR									
			13 / 16						



Version 5.2	Revision Date: 28.09.2024		OS Number: 992-00023	Date of last issue: 26.09.2023 Date of first issue: 03.11.2014
Clas Haz Labe	king group ssification Code ard Identification Number els nel restriction code	:	III M7 90 9 (-)	
Clas	king group ssification Code ard Identification Number	:	III M7 90 9	
Labe	king group	:	III 9 F-A, S-F	
Pacl aircr Pacl	king instruction (LQ) king group	:	956 Y956 III Miscellaneous	
Pacl ger a Pacl	A (Passenger) king instruction (passen- aircraft) king instruction (LQ) king group els	:	956 Y956 III Miscellaneous	
14.5 Env	ironmental hazards			
ADN Envi	N ironmentally hazardous	:	yes	
ADF Envi	R ironmentally hazardous	:	yes	
RID Envi	ironmentally hazardous	:	yes	
IMD Mari	G ine pollutant	:	yes	
	A (Passenger) ironmentally hazardous	:	yes	
	A (Cargo) ironmentally hazardous	:	yes	
14.6 Spe	cial precautions for use	r		

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Remarks

: Not applicable for product as supplied.



Ertapenem Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 26.09.2023
5.2	28.09.2024	20992-00023	Date of first issue: 03.11.2014

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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.		
Full text of H-Statements				
H334	:	May cause allergy or asthma symptoms or breathing difficul- ties if inhaled.		
H400	:	Very toxic to aquatic life.		
H411	:	Toxic to aquatic life with long lasting effects.		
Full text of other abbreviations				
Aquatic Acute Aquatic Chronic Resp. Sens.	::	Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Respiratory sensitisation		
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland				

Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road: AIIC - Australian Inventory of Industrial Chemicals: ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA -European Chemicals Agency; EC-Number - European Community number; 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; 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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Ef-



Version	Revision Date:	SDS Number:	Date of last issue: 26.09.2023
5.2	28.09.2024	20992-00023	Date of first issue: 03.11.2014

fect 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

Sources of key data used to compile the Safety Data Sheet		data from raw material SDSs, OECD sults and European Chemicals Agen- u/
Classification of the mixtur	e:	Classification procedure:
Resp. Sens. 1	H334	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 2	H411	Calculation method

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.

ZA / EN