

Levothyroxine Formulation

Versior 3.11	n Revision Date: 28.09.2024		DS Number: 30666-00018	Date of last issue: 05.12.2023 Date of first issue: 30.11.2016		
SECTI	SECTION 1: Identification of the substance/mixture and of the company/undertaking					
1.1 Pro	duct identifier					
Tra	ade name	:	Levothyroxine Formulation			
Ot	her means of identification	:	Leventa (A010426)			
1.2 Rel	evant identified uses of th	he s	substance or mixt	ure and uses advised against		
	e of the Sub- ance/Mixture	:	Veterinary produc	zt		
	ecommended restrictions use	:	Not applicable			
1.3 Det	ails of the supplier of the	sat	ety data sheet			
Co	ompany	:	MSD 20 Spartan Road 1619 Spartan, So	outh Africa		
Те	lephone	:	+27119239300			
	mail address of person sponsible for the SDS	:	EHSDATASTEW.	ARD@msd.com		
1.4 Em	ergency telephone numb	er				
+1	-908-423-6000					

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3
Reproductive toxicity, Category 2

Specific target organ toxicity - repeated exposure, Category 1

2.2 Label elements

H226: Flammable liquid and vapour. H361: Suspected of damaging fertility or the unborn child. H372: Causes damage to organs through prolonged or repeated exposure.

Labelling (REGULATION (EC) No 1272/2008)

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Hazard pictograms



Signal word

Hazard statements

: H226 Flammable liquid and vapour.



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			d of damaging fertility or the unborn child. Amage to organs through prolonged or re-
Precau	utionary statements	P210 Keep awa flames and other i P233 Keep cont P264 Wash skin	ecial instructions before use. y from heat, hot surfaces, sparks, open gnition sources. No smoking. ainer tightly closed. I thoroughly after handling. ective gloves/ protective clothing/ eye protec- on.
		Response: P308 + P313 IF attention.	exposed or concerned: Get medical advice/

Hazardous components which must be listed on the label:

levothyroxine sodium

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.

Vapours may form explosive mixture with air.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Ethanol#	64-17-5 200-578-6 603-002-00-5	Flam. Liq. 2; H225 Eye Irrit. 2; H319	>= 10 - < 20
levothyroxine sodium	55-03-8 200-221-4	Acute Tox. 2; H300 Repr. 2; H361 STOT RE 1; H372 (Thyroid, Cardio- vascular system, Central nervous system)	>= 0,1 - < 1

For explanation of abbreviations see section 16.

#: Voluntarily-disclosed substance



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SECTION	I 4: First aid measu	res		
4.1 Descri	ption of first aid mea	sure	s	
	ral advice		In the case of acc vice immediately.	cident or if you feel unwell, seek medical ad- persist or in all cases of doubt seek medical
Prote	ction of first-aiders	:	and use the reco	ers should pay attention to self-protection, mmended personal protective equipment al for exposure exists (see section 8).
lf inha	aled	:	If inhaled, remove Get medical atter	
In cas	e of skin contact	:	of water.	t, immediately flush skin with soap and plenty nated clothing and shoes.

Get medical attention. Wash clothing before reuse.

Get medical attention.

Thoroughly clean shoes before reuse.

Flush eyes with water as a precaution.

If swallowed, DO NOT induce vomiting.

Rinse mouth thoroughly with water.

Get medical attention if irritation develops and persists.

4.2 Most important symptoms and effects, both acute and delayed

:

:

Risks : Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment	:	Treat symptomatically and supportively.
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SECTION 5: Firefighting measures

In case of eye contact

If swallowed

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

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire- : Do not use a solid water stream as it may scatter and spread



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fighting			Vapours may forr	ble over considerable distance. n explosive mixtures with air. bustion products may be a hazard to health.
Haza	Hazardous combustion prod- ucts		Carbon oxides	
5.3 Advice for firefighters Special protective equipment for firefighters		:		e, wear self-contained breathing apparatus. tective equipment.
Spec ods	cific extinguishing meth-	:	cumstances and t Use water spray t	g measures that are appropriate to local cir- the surrounding environment. to 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	:	Remove all sources of ignition. 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. Prevent spreading over a wide area (e.g. by containment or oil barriers).

Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up	 Non-sparking tools should be used. Soak up with inert absorbent material. Suppress (knock down) gases/vapours/mists with a water spray jet. For large spills, provide dyking or other appropriate contain- ment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. 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.
	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.



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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	9
Technical measures	: See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	 If sufficient ventilation is unavailable, use with local exhaust ventilation. Use explosion-proof electrical, ventilating and lighting equip-
	ment.
Advice on safe handling	: Do not breathe mist or vapours. Do not swallow.
	Avoid contact with eyes. Avoid prolonged or repeated contact with skin.
	Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment
	Non-sparking tools should be used.
	Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the
Hygiene measures	 environment. 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 contaminated clothing before re-use. The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.
7.2 Conditions for safe storage, i	including any incompatibilities
Requirements for storage areas and containers	 Keep in properly labelled containers. Store locked up. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. Keep away from heat and sources of ignition.
Advice on common storage	 Do not store with the following product types: Strong oxidizing agents Self-reactive substances and mixtures Organic peroxides Flammable solids Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures Substances and mixtures, which in contact with water, emit



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			flammable gases Explosives Gases Very acutely toxic	substances and mixtures
•	c end use(s) c use(s)	:	No data available	

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Ethanol	64-17-5	OEL- RL STEL/C	2.000 ppm	ZA OEL
		nation: Occupational nemical Agents	Exposure Limits - Restricted	Limits For
levothyroxine sodi- um	55-03-8	TWA	0.1 μg/m3 (OEB 5)	Internal
		Wipe limit	1 µg/100 cm ²	Internal

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006

Substance name	End Use	Exposure routes	Potential health ef- fects	Value
Ethanol	Workers	Inhalation	Long-term systemic effects	380 mg/m3
	Workers	Skin contact	Long-term systemic effects	267 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	114 mg/m3

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

Substance name	Environmental Compartment	Value
Ethanol	Fresh water	0,96 mg/l
	Freshwater - intermittent	2,75 mg/l
	Marine water	0,79 mg/l
	Sewage treatment plant	580 mg/l
	Fresh water sediment	3,6 mg/kg dry weight (d.w.)
	Marine sediment	2,9 mg/kg dry weight (d.w.)
	Soil	0,63 mg/kg dry weight (d.w.)
	Oral (Secondary Poisoning)	380 mg/kg food

8.2 Exposure controls

Engineering measures

Use closed processing systems or containment technologies to control at source (e.g., glove boxes/isolators) and to prevent leakage of compounds into the workplace.



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with 0 No op Totall Opera comp	GMP principles to prote ben handling permitted ly enclosed processes	ect pro and m of app ace.	ducts, workers, a aterials transport ropriate containm	systems are required. Itent technology designed to prevent leakage of
Pers	onal protective equip	ment		
Eye/t	face protection	:	If the work envir mists or aerosol Wear a faceshie	sses with side shields or goggles. onment or activity involves dusty conditions, s, wear the appropriate goggles. eld or other full face protection if there is a ect contact to the face with dusts, mists, or
Hand	d protection			
M	aterial	:	Chemical-resista	ant gloves
Re	emarks	:		gloving. Take note that the product is flam- ay impact the selection of hand protection.
Skin	and body protection	:	Work uniform or Additional body being performed suits) to avoid ex	laboratory coat. garments should be used based upon the task (e.g., sleevelets, apron, gauntlets, disposable cposed skin surfaces. degowning techniques to remove potentially
Resp	iratory protection	:	If adequate local sure assessmen	exhaust ventilation is not available or expo- t demonstrates exposures outside the rec- elines, use respiratory protection.
Fi	lter type	:		ulates and organic vapour type (A-P)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance Colour Odour Odour Threshold	:	colourless slight
рН	:	9,7 - 10,7
Melting point/freezing point	:	No data available
Initial boiling point and boiling	:	No data available
range Flash point	:	44 °C
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Upper explosion limit / Upper flammability limit	:	No data available



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		explosion limit / Lower bility limit	:	No data available	
	Vapour	pressure	:	No data available	
	Relative	e vapour density	:	No data available	
	Relative	e density	:	No data available	•
	Density		:	1,05 g/cm ³	
	Partition octanol	er solubility n coefficient: n-	:	soluble Not applicable No data available	
	Decom	position temperature	:	No data available	
	Viscosit Visc	ty osity, kinematic	:	No data available	
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance of	mixture is not classified as oxidizing.
9.2	Other in	formation			
	Flamma	ability (liquids)	:	Not applicable	
	Particle	size	:	Not applicable	

SECTION 10: Stability and reactivity

	10.1	Reactivity	
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Not classified as a reactivity hazard.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous re	eactio	ns
Hazardous reactions	:	Flammable liquid and vapour. Vapours may form explosive mixture with air. Can react with strong oxidizing agents.
10.4 Conditions to avoid		
Conditions to avoid	:	Heat, flames and sparks.
10.5 Incompatible materials		
Materials to avoid	:	Oxidizing agents Acids



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	ardous decomposition	-		
SECTION	N 11: Toxicological ir	nfor	mation	
1.1 Infor	mation on toxicologica	al ef	fects	
Inforr expos	nation on likely routes of sure	:	Inhalation Skin contact Ingestion Eye contact	
Acut	e toxicity			
	lassified based on availa	able	information.	
<u>Prod</u> Acute	<u>uct:</u> e oral toxicity	:	Acute toxicity es Method: Calcula	timate: > 2.000 mg/kg tion method
Com	ponents:			
Etha	nol:			
Acute	e oral toxicity	:	LD50 (Rat): 10.4 Method: OECD	170 mg/kg Test Guideline 401
Acute	e inhalation toxicity	:	LC50 (Rat, male Exposure time: 4 Test atmosphere	4 h
Acute	e dermal toxicity	:	LD50 (Rabbit): >	• 15.800 mg/kg
levot	hyroxine sodium:			
Acute	e oral toxicity	:	TDLo (Humans)	: 10 mg/kg
			TDLo (Dog): 10	mg/kg
			LD50 (Rat): > 1.	000 mg/kg
Acute	e dermal toxicity	:	LD50 (Rat): > 50) mg/kg
	e toxicity (other routes of nistration)	:	LD50 (Rat): 20 n Application Rout	ng/kg te: Intraperitoneal
			LD50 (Rat): 50 n Application Rout	ng/kg te: Subcutaneous
	corrosion/irritation	able	information.	
	ponents:			
Etha				
	 ·			



ersion I 1	Revision Date: 28.09.2024		S Number: 30666-00018	Date of last issue: 05.12.2023 Date of first issue: 30.11.2016
Resul	lt	:	No skin irritation	
	us eye damage/eye assified based on ava			
Comp	oonents:			
Ethar	nol:			
Speci	es	:	Rabbit	
Metho		:	OECD Test Guid	
Resul	t	:	Irritation to eyes	, reversing within 21 days
Resp	iratory or skin sens	itisatio	n	
-	sensitisation	ailabla	information	
	lassified based on av		information.	
•	iratory sensitisation assified based on av		information	
	oonents:	anabio		
Ethar Test∃	-		Mouse oor swall	ing toot (MEST)
	sure routes	:	Mouse ear swell Skin contact	
Speci	es	:	Mouse	
Resul	lt	:	negative	
Germ	cell mutagenicity			
	lassified based on av	ailable	information.	
<u>Comp</u>	oonents:			
Ethar	nol:			
Geno	toxicity in vitro	:		erial reverse mutation assay (AMES)
				Test Guideline 471
			Result: negative	
				ro mammalian cell gene mutation test
			Method: OECD	ro mammalian cell gene mutation test Test Guideline 476
			Method: OECD Result: negative	Test Guideline 476
			Method: OECD Result: negative	
Geno	toxicity in vivo	:	Method: OECD Result: negative Test Type: Chro Result: negative	Test Guideline 476
Geno	toxicity in vivo	:	Method: OECD Result: negative Test Type: Chro Result: negative Test Type: Mam cytogenetic assa	Test Guideline 476 mosome aberration test in vitro malian erythrocyte micronucleus test (in v
Geno	toxicity in vivo	:	Method: OECD Result: negative Test Type: Chro Result: negative Test Type: Mam	Test Guideline 476 mosome aberration test in vitro malian erythrocyte micronucleus test (in v ay)

Carcinogenicity

Not classified based on available information.



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-	oductive toxicity	:••••••••	hava ahild	
-	ected of damaging ferti	ity or the un	born child	
Comp	oonents:			
Ethan	-			
Effect	s on fertility	Specie Applic	es: Mouse	te: Ingestion
levotł	nyroxine sodium:			
	s on foetal develop-	Specie Applic	ype: Deve es: Rat ation Rou opmental	
		Specie Applic	ype: Deve es: Mouse ation Rou opmental	,
		Speci	ype: Deve es: Rabbit t: No terate	elopment ogenic effects
		Speci	ype: Deve es: Guinea t: No terate	
Repro sessm	oductive toxicity - As- nent	: Suspe	ected of da	amaging the unborn child.
STOT	- single exposure			
Not cl	assified based on avai	able informa	ation.	
	• repeated exposure es damage to organs tl	rouah prolo	naed or re	epeated exposure.
	oonents:	5 1	5	
Targe	n yroxine sodium: t Organs ssment		es damage	vascular system, Central nervous system to organs through prolonged or repeated
Repea	ated dose toxicity			
Comp	oonents:			
Ethan	nol:			
Specie NOAE LOAE	es EL		mg/kg) mg/kg ion	



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Expo	sure time	: 90 Days	
-	ration toxicity lassified based on ava	ailable information.	
Expe	rience with human e	xposure	
Com	ponents:		
levot	hyroxine sodium:		
Inges	tion	Target Organs: Symptoms: Pal	Cardio-vascular system Central nervous system pitation, hypotension, Tremors, Headache, etite, Sweating, Vomiting, Diarrhoea, Fever,

12.1 Toxicity

Components:

	Ethanol:				
	Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 14.200 mg/l Exposure time: 96 h		
	Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Ceriodaphnia dubia (water flea)): 5.012 mg/l Exposure time: 48 h		
	Toxicity to algae/aquatic plants	:	ErC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l Exposure time: 72 h		
			EC10 (Chlorella vulgaris (Fresh water algae)): 11,5 mg/l Exposure time: 72 h		
	Toxicity to microorganisms	:	EC50 (Protozoa): 5.800 mg/l Exposure time: 4 h		
	Toxicity to fish (Chronic tox- icity)	:	NOEC: >= 79 mg/l Exposure time: 100 d Species: Oryzias latipes (Japanese medaka)		
	Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	NOEC: 9,6 mg/l Exposure time: 9 d Species: Daphnia magna (Water flea)		
12.2	12.2 Persistence and degradability				
	Components:	-			

Components:

Ethanol:

Biodegradability

: Result: Readily biodegradable.



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			Biodegradation: Exposure time: 2	
12.3 Bioa	ccumulative potential			
<u>Com</u>	ponents:			
	nol: tion coefficient: n- nol/water	:	log Pow: -0,35	
	ility in soil ata available			
12.5 Resu	ults of PBT and vPvB a	isse	ssment	
<u>Prod</u> Asse	l <u>uct:</u> ssment	:	to be either persi	nixture contains no components considered stent, bioaccumulative and toxic (PBT), or nd very bioaccumulative (vPvB) at levels of
12.6 Othe	er adverse effects			
Prod	luct:			
Endo tial	ocrine disrupting poten-	:	ered to have end REACH Article 5	hixture does not contain components consid- locrine disrupting properties according to 7(f) or Commission Delegated regulation or Commission Regulation (EU) 2018/605 at higher.
SECTIO	N 13: Disposal consi	der	ations	
13.1 Was	te treatment methods			
Prod		:	According to the are not product s Waste codes sho discussion with th	cordance with local regulations. European Waste Catalogue, Waste Codes specific, but application specific. buld be assigned by the user, preferably in he waste disposal authorities. of waste into sewer.
Cont	aminated packaging	:	Empty containers dling site for recy	s should be taken to an approved waste han-

Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product.

SECTION 14: Transport information

14.1 UN number

ADN

: UN 1170



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ADR		:	UN 1170					
RID		:	UN 1170					
IMDC	2		UN 1170					
IATA		•	UN 1170					
	oroper shipping name	•						
ADN		:	ETHANOL SOLU					
ADR			ETHANOL SOLUTION					
RID			ETHANOL SOLU					
IMDO		:	ETHANOL SOLU					
IATA		:	Ethanol solution					
	sport hazard class(es)							
	,		Class	Subsidiary risks				
ADN		:	3					
ADR		:	3					
RID		:	3					
IMDO	3	:	3					
ΙΑΤΑ		:	3					
14.4 Pack	king group							
ADN Pack Class	ing group sification Code Ird Identification Number	: : :	III F1 30 3					
Class Haza Labe	ing group sification Code ırd Identification Number	:	III F1 30 3 (D/E)					
Class	ing group sification Code Ird Identification Number Is	:	III F1 30 3					
IMDC Pack Labe	G ing group	:	III 3 F-E, S-D					
	(Cargo) ing instruction (cargo aft)	:	366					
	ing instruction (LQ)	:	Y344					



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Packing group Labels		:	III Flammable Liquid	ds	
IATA (Passenger) Packing instruction (passen- ger aircraft)		:	355		
Packing instruction (LQ) Packing group			Y344 III Flommobilo Liquis		
Labels 14.5 Environmental hazards		•	Flammable Liquic	15	
ADN Environmentally hazardous		:	no		
	ADR Enviror	nmentally hazardous	:	no	
	RID Enviror	nmentally hazardous	:	no	
	IMDG Marine	pollutant	:	no	

14.6 Special precautions for user

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.

: Not applicable for product as supplied.

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

Remarks

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.



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	kt of H-Statements						
H225 H300		÷	Highly flammable Fatal if swallowed				
H319		÷	Causes serious ey	-			
H361		:	Suspected of damaging fertility or the unborn child.				
H372 :		:	Causes damage to organs through prolonged or repeated exposure.				
Full tex	xt of other abbreviation	ons					
Acute 7	Гох.	:	Acute toxicity				
Eye Irrit.		:	Eye irritation				
Flam. Liq.		:	Flammable liquids				
Repr.		:	Reproductive toxicity				
STOT RE :		:	Specific target organ toxicity - repeated exposure				
ZA OEI	L	:		Regulations for Hazardous Chemical onal Exposure Limits			
ZA OEL / OEL- RL STEL/C		:	Occupational Exp	osure Limit Restricted limit - Short term oc- ire limits / ceiling limits			

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) 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

Sources of key data used to : compile the Safety Data

Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen-



Version 3.11	Revision Date: 28.09.2024	SDS Number: 1130666-00018	Date of last issue: 05.12.2023 Date of first issue: 30.11.2016
Sheet		cy, http://echa.eu	ıropa.eu/
Classi	fication of the mixtu	ire:	Classification procedure:
Flam.	Liq. 3	H226	Based on product data or assessment
Repr. 2	2	H361	Calculation method
STOT	RE 1	H372	Calculation method

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