

Version 5.4	Revision Date: 16.10.2020	SDS Number: 17045-00016		Date of last issue: 23.03.2020 Date of first issue: 30.09.2014
SECTIO	N 1. PRODUCT AND CO	MPA		ATION
Proc	duct name	:	Losartan / Hyc	Irochlorothiazide Formulation
Man	ufacturer or supplier's o	deta	ils	
Con	npany	:	Organon & Co	
Add	ress	:	30 Hudson Str Jersey City, N	eet, 33nd floor ew Jersey, U.S.A 07302
Tele	phone	:	551-430-6000	
Eme	ergency telephone	:	215-631-6999	
E-m	ail address	:	EHSSTEWAR	D@organon.com
Rec	ommended use of the c	hem	ical and restric	tions on use
Rec	ommended use	:	Pharmaceutica	al
SECTIO	N 2. HAZARDS IDENTIFI	САТ	ION	
	S Classification te toxicity (Oral)	:	Category 5	
Seri	ous eye damage	:	Category 1	
Skin	sensitization	:	Category 1	
Rep	roductive toxicity	:	Category 1B	
Effe	cts on or via lactation			
	cific target organ toxicity - ated exposure	:	Category 2 (Ki	dney, Parathyroid gland)
	cific target organ toxicity - eated exposure (Oral)	:	Category 2 (Bl	ood, Cardio-vascular system, Stomach, Kidney)
GHS	S label elements			
Haz	ard pictograms	:		\land

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Signal Word

Hazard Statements

H303 May be harmful if swallowed.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H360D May damage the unborn child.

: Danger



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		H373 May cau gland) through H373 May cau	use harm to breast-fed children. use damage to organs (Kidney, Parathyroid prolonged or repeated exposure. use damage to organs (Blood, Cardio-vascular ach, Kidney) through prolonged or repeated allowed.
Preca	autionary Statements	P202 Do not h and understoo P260 Do not b P263 Avoid co P264 Wash sk P270 Do not e P272 Contami the workplace.	reathe dust. Intact during pregnancy and while nursing. In thoroughly after handling. at, drink or smoke when using this product. nated work clothing should not be allowed out of Ditective gloves/ protective clothing/ eye protec-
		P305 + P351 - water for seve and easy to do CENTER/ doc P312 Call a P0 P333 + P313 I vice/ attention	DISON CENTER/ doctor if you feel unwell. f skin irritation or rash occurs: Get medical ad-
		Storage: P405 Store loo	sked up.
		Disposal:	of contents/ container to an approved waste

Other hazards which do not result in classification

Contact with dust can cause mechanical irritation or drying of the skin. May form explosive dust-air mixture during processing, handling or other means.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

: Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Cellulose	9004-34-6	>= 30 -< 50
Losartan	124750-99-8	>= 20 -< 30
Starch	9005-25-8	>= 10 -< 20
Hydrochlorothiazide	58-93-5	>= 1 -< 5



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SECTION	4. FIRST AID MEASUR	RES		
Gene	eral advice	advice immed	f accident or if you feel unwell, seek medical diately. oms persist or in all cases of doubt seek medical	
lf inha	aled	: If inhaled, rer Get medical a	nove to fresh air. attention.	
In ca	se of skin contact	: In case of cor of water. Remove cont Get medical a Wash clothing	ntact, immediately flush skin with soap and plenty aminated clothing and shoes.	
In cas	se of eye contact	: In case of con for at least 15 If easy to do,	ntact, immediately flush eyes with plenty of water	
lf swa	allowed	: If swallowed, Get medical a	DO NOT induce vomiting. attention.	
	important symptoms effects, both acute and red	: May be harm May cause ar Causes serio May damage May cause ha May cause da exposure.	Contact with dust can cause mechanical irritation or drying o	
Prote	ection of first-aiders	: First Aid resp and use the r	onders should pay attention to self-protection, ecommended personal protective equipment ential for exposure exists (see section 8).	
Notes	s to physician		matically and supportively.	

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
Specific hazards during fire fighting	:	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides Chlorine compounds Nitrogen oxides (NOx) Chlorine compounds Sulfur oxides



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Specific extinguishing meth- ods Special protective equipment for fire-fighters		:	Use extinguishing measures that are appropriate to loc cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is sa so. Evacuate area. In the event of fire, wear self-contained breathing appa Use personal protective equipment.	
SECTION	6. ACCIDENTAL RELE	ASI	E MEASURES	
tive e	nal precautions, protec- quipment and emer- procedures	:	Follow safe handl	ective equipment. ing advice (see section 7) and personal ent recommendations (see section 8).
Enviro	onmental precautions	:	Retain and dispos	akage or spillage if safe to do so. se of contaminated wash water. should be advised if significant spillages
	Methods and materials for containment and cleaning up		container for disper Avoid dispersal of with compressed Dust deposits sho surfaces, as these released into the a Local or national r disposal of this ma employed in the c determine which r Sections 13 and 1	dust in the air (i.e., clearing dust surfaces

SECTION 7. HANDLING AND STORAGE

Technical measures	:	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	:	If sufficient ventilation is unavailable, use with local exhaust ventilation.
Advice on safe handling	:	Avoid contact during pregnancy and while nursing. Do not get on skin or clothing. Do not breathe dust. Do not swallow. Do not get in eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Keep container tightly closed. Minimize dust generation and accumulation
		assessment



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		Keep away from Take precaution Do not eat, drink	closed when not in use. heat and sources of ignition. ary measures against static discharges. or smoke when using this product. vent spills, waste and minimize release to the		
Conditions for safe storage		 Keep in properly labeled containers. Store locked up. Keep tightly closed. Store in accordance with the particular national regulations. 			
Materials to avoid			the following product types: 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	
Cellulose	9004-34-6	CMP	10 mg/m ³	AR OEL
	Further information	ation: Irritation		
		TWA	10 mg/m ³	ACGIH
Losartan	124750-99-8	TWA	100 µg/m3 (OEB	Internal
			2)	
Starch	9005-25-8	CMP	10 mg/m ³	AR OEL
	Further informa	ation: A4 - Not c	lassifiable as a huma	n carcinogen,
	lung, Dermatiti	S		-
		TWA	10 mg/m ³	ACGIH
Hydrochlorothiazide	58-93-5	TWA	100 µg/m3 (OEB	Internal
			2)	

Engineering measures	:	Use feasible engineering controls to minimize exposure to compound. All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment.
Personal protective equipment	nt	
	:	If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection. Particulates type
Hand protection	-	
Material	:	Chemical-resistant gloves
Eye protection	:	Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or



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	nd body protection ne measures	eye flushing syst working place. When using do n Contaminated wo workplace. Wash contamina The effective ope engineering cont appropriate dego	emical is likely during typical use, provide tems and safety showers close to the not eat, drink or smoke. ork clothing should not be allowed out of the ted clothing before re-use. eration of a facility should include review of trols, proper personal protective equipment, owning and decontamination procedures, e monitoring, medical surveillance and the

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Color	:	yellow
Odor	:	odorless
Odor Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	May form explosive dust-air mixture during processing, handling or other means.
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	Not applicable
Relative vapor density	:	Not applicable
Relative density	:	No data available
Density	:	No data available



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W Partit octan	bility(ies) ater solubility ion coefficient: n- ol/water gnition temperature	No data availableNot applicableNo data available		
Deco	mposition temperature	: No data available		
	sity scosity, kinematic sive properties	Not applicableNot explosive		
	zing properties cle size	: The substance or mixture : No data available	e is not classified as oxidizing.	

SECTION 10. STABILITY AND REACTIVITY

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

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	:	Inhalation Skin contact Ingestion Eye contact
Acute toxicity		
May be harmful if swallowed.		
Product:		
Acute oral toxicity	:	Acute toxicity estimate: 2.201 mg/kg Method: Calculation method
Components:		
Cellulose:		
Acute oral toxicity	:	LD50 (Rat): > 5.000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 5,8 mg/l Exposure time: 4 h



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			Test atmosphere:	dust/mist		
Acı	ute dermal toxicity	:	LD50 (Rabbit): >	2.000 mg/kg		
Lo	Losartan:					
Ac	ute oral toxicity	:	LD50 (Mouse): 1.257 - 1.590 mg/kg			
			LDLo (Rat): 200 mg/kg			
			LDLo (Mouse): 40	00 mg/kg		
Sta	arch:					
Acı	ute oral toxicity	:	LD50 (Rat): > 5.0	00 mg/kg		
Acı	ute dermal toxicity	:	LD50 (Rabbit): >	2.000 mg/kg		
-	drochlorothiazide:					
Acı	ute oral toxicity	:	LD50 (Rat): > 2.7	50 mg/kg		
			LD50 (Mouse): >	2.830 mg/kg		
	ute toxicity (other routes of ministration)	:	LD50 (Rat): 990 r Application Route			
			LD50 (Mouse): 59 Application Route			
Ski	in corrosion/irritation					
	t classified based on availa	ble	information.			
	<u>mponents:</u>					
-	sartan: ecies		Rabbit			
	sult	:	Mild skin irritation			
Hy	drochlorothiazide:					
~	alocinolotinaziae.					
	ecies sult	:	Rabbit No skin irritation			
Re Se	ecies sult r ious eye damage/eye irri	tati	No skin irritation			
Re Se Ca	ecies sult	tati	No skin irritation			
Re Se Ca <u>Co</u>	ecies sult rious eye damage/eye irri uses serious eye damage.	tati	No skin irritation			
Re Se Ca <u>Co</u> Lo:	ecies sult r ious eye damage/eye irri uses serious eye damage. <u>mponents:</u>	: tati	No skin irritation			
Re Se Ca <u>Co</u> Sp	ecies sult rious eye damage/eye irri uses serious eye damage. <u>mponents:</u> sartan:		No skin irritation			
Re Se Ca Co Lo Sp Re Sta	ecies sult rious eye damage/eye irri r uses serious eye damage. <u>mponents:</u> sartan: ecies		No skin irritation on Rabbit			



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Resul	t	: N	lo eye irritatio	n
Hydro	ochlorothiazide:			
Specie Resul			Rabbit /lild eye irritati	on
Respi	ratory or skin sens	itization		
	sensitization ause an allergic skin	reaction		
•	ratory sensitization assified based on av		formation.	
Comp	oonents:			
Losar				
Specie	s of exposure es sment	: S : C : F	Aaximization T Skin contact Guinea pig Probability or e positive	rest evidence of skin sensitization in humans
Starc	h:			
Test T Route Specie Resul	s of exposure es	: 5	Aaximization T Skin contact Guinea pig negative	Fest
Germ	cell mutagenicity			
Not cl	assified based on av	ailable in	formation.	
<u>Comp</u>	oonents:			
Cellul Genot	ose: oxicity in vitro		est Type: Bac Result: negativ	cterial reverse mutation assay (AMES) /e
			est Type: In v Result: negativ	ritro mammalian cell gene mutation test re
Genot	oxicity in vivo	c S A	est Type: Ma sytogenetic as pecies: Mous application Ro Result: negativ	e ute: Ingestion
Losar	tan:			
Genot	oxicity in vitro		est Type: in v Result: negativ	
				ritro mammalian cell gene mutation test Chinese hamster ovary cells



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		Result: neg	pative
		Test Type: Result: neg	Alkaline elution assay pative
		Test Type: Result: neg	Chromosomal aberration gative
Geno	toxicity in vivo	: Test Type: Result: neg	Chromosomal aberration gative
Starc	h:		
Geno	toxicity in vitro	: Test Type: Result: neg	Bacterial reverse mutation assay (AMES) pative
Hydro	ochlorothiazide:		
Geno	toxicity in vitro	: Test Type: Result: neg	Bacterial reverse mutation assay (AMES) pative
			Chromosomal aberration n: Chinese hamster ovary cells gative
			sister chromatid exchange assay n: Chinese hamster ovary cells itive
			in vitro test n: mouse lymphoma cells itive
Geno	toxicity in vivo	Species: C	Chromosomal aberration hinese hamster Bone marrow gative
		Species: M	Bone marrow
	cell mutagenicity - ssment	: Weight of e cell mutage	evidence does not support classification as a gerr
	nogenicity assified based on ava	ilable information.	
Comp	oonents:		
Cellu Speci		: Rat : Ingestion	



Exposure Dose Result Species Applicati Exposure	on Route	:	negative	
Species Applicati Exposure Dose Result Species Applicati Exposure	on Route	:		
Species Applicati Exposure Dose Result Species Applicati Exposure	on Route	:		
Application Exposure Dose Result Species Application Exposure			Mauraa	
Exposure Dose Result Species Applicati Exposure			Mouse	
Dose Result Species Applicati Exposure	etime	÷	Oral	
Result Species Applicati Exposure		÷	92 weeks	
Species Applicati Exposure		•	200 mg/kg bod	yweight
Applicati Exposure		:	negative	
Exposure		:	Rat	
•		:	Oral	
Dooo	e time	:	105 weeks	
Dose		:	270 mg/kg bod	y weight
Result		:	negative	
Hydroch	lorothiazide:			
Species			Mouse, female	
	on Route	:	Oral	
Exposure		:	2 Years	
Result		:	negative	
Species		:	Mouse, male	
	on Route		Oral	
Exposure			2 Years	
Result		:	equivocal	
Species		:	Rat, male and f	emale
Applicati	on Route	:	Oral	
Exposure		:	2 Years	
Result		:	negative	
May dan May cau <u>Compor</u>			ildren.	
Cellulos			TastT	
Effects o	n fertility	:	Test Type: One	e-generation reproduction toxicity study
			Species: Rat	
			Application Rou	
			Result: negative	e
Effects o	n fetal development	:	Test Type: Fert	ility/early embryonic development
		-	Species: Rat	,, ,
			Application Rou	ute: Indestion
			Result: negative	
Losarta	. .			
Losartai			Toot Tupo: For	ility /
Effacta a		•	Test Type: Fert	
Effects o			Species: Rat, fe	amala



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				Result: female rep	200 mg/kg body weight productive effects al toxicity observed.
	Effects	on fetal development	:	Developmental To Result: Embryoto	: Oral Maternal: NOAEL: 10 mg/kg body weight oxicity: NOAEL F1: 20 mg/kg body weight kic effects and adverse effects on the rected only at high maternally toxic doses,
	Reprod sessme	luctive toxicity - As- ent	:	Clear evidence of animal experimen	adverse effects on development, based on ts.
				Studies indicating period	a hazard to babies during the lactation
	Hydrod	chlorothiazide:			
	Effects	on fertility	:	Test Type: Fertility Species: Rat, mail Application Route Fertility: NOAEL: A Result: Effects on	e and female : oral (feed) 4 mg/kg body weight
				Test Type: Fertility Species: Mouse, i Application Route Fertility: NOAEL: Result: Effects on	male and female : oral (feed) 100 mg/kg body weight
	Effects	on fetal development	:	Test Type: Develo Species: Mouse Application Route Developmental To Result: No teratoo	: Oral oxicity: NOAEL: 3.000 mg/kg body weight
				Test Type: Develo Species: Rat Application Route Developmental To Result: No teratog	: Oral pxicity: NOAEL: 1.000 mg/kg body weight

STOT-single exposure

Not classified based on available information.



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STOT	-repeated exposure	•	
May c sure.	ause damage to orga	ans (Kidney, Parathyro	bid gland) through prolonged or repeated expo
May o	cause damage to orga d or repeated exposu		scular system, Stomach, Kidney) through pro-
Com	oonents:		
Losa	rtan:		
Targe	es of exposure et Organs esment		vascular system, Stomach, Kidney mage to organs through prolonged or repeated
Hydro	ochlorothiazide:		
	et Organs ssment	: Kidney, Parath : Causes dama exposure.	nyroid gland ge to organs through prolonged or repeated
Repe	ated dose toxicity		
<u>Com</u>	oonents:		
Cellu	lose:		
Speci		: Rat	
NOAE Applic	L cation Route	: >= 9.000 mg/k : Ingestion	g
	sure time	: 90 Days	
Losa	rtan:		
Speci		: Rat	
LÖAE		: 15 mg/kg	
	cation Route sure time	: Oral : 309 d	
	ber of exposures	: daily	
	et Organs	2	, Cardio-vascular system, Stomach
Speci		: Dog	
NOAE	EL cation Route	: 5 mg/kg	
	sure time	: Oral : 1 Months	
Symp		: Salivation, Vo	miting
Speci		: Dog	
LOAE		: 25 mg/kg	
	cation Route sure time	: Oral : 53 Weeks	
Numb	er of exposures	: daily	
Symp	toms	: Salivation, Vo	miting
Starc	h:		
Speci		: Rat	
NOAE	EL	: >= 2.000 mg/k	kg



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	cation Route sure time od	: Skin contact : 28 Days : OECD Test (Guideline 410	
Hydro	ochlorothiazide:			
Expos		: Rat, male an : 10 mg/kg : Oral : 2 y : Kidney, Para		
	EL cation Route sure time	: Mouse, male : 300 - 550 mg : Oral : 2 y : No significan		
Expos	es cation Route sure time t Organs	: Dog : 50 - 200 mg/ : Oral : 9 Months : Parathyroid g		

Aspiration toxicity

Not classified based on available information.

Components:

Losartan:

No aspiration toxicity classification

Hydrochlorothiazide:

No aspiration toxicity classification

Experience with human exposure

Components:

Losartan: Eye contact Ingestion	Symptoms: Eye irritation Symptoms: hypotension, tachycardia
Hydrochlorothiazide:	
Eye contact Ingestion	 Symptoms: Eye irritation Symptoms: Dizziness, Headache, Fatigue, Nausea, Ab- dominal pain, hypotension, dry mouth, electrolyte imbalance,
	eye pain



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	12. ECOLOGICAL INFO	ORN	IATION		
Faata	vicit.				
Ecoto	-				
	onents:				
Cellul					
IOXICI	ty to fish	:	Exposure time: 48	ipes (Japanese medaka)): > 100 mg/l 3 h on data from similar materials	
Losar	tan:				
Toxicit	ty to fish	:	LC50 (Oncorhync Exposure time: 96 Method: FDA 4.17		
Toxicit	ty to daphnia and other	:		agna (Water flea)): 331 mg/l	
aquati	c invertebrates		Exposure time: 48 Method: OECD To		
Toxicit plants	ty to algae/aquatic	:	NOEC (Microcyst Exposure time: 10 Method: FDA 4.07		
			NOEC (Selenastr Exposure time: 10 Method: FDA 4.07		
Toxicit icity)	ty to fish (Chronic tox-	:	NOEC (Pimephale Exposure time: 32 Method: OECD Te		
	ty to daphnia and other c invertebrates (Chron- city)	:	NOEC (Daphnia r Exposure time: 2' Method: OECD T		
Hydro	chlorothiazide:				
-	ty to fish	:	LC50 (Pimephale Exposure time: 96	s promelas (fathead minnow)): > 500 mg/l S h	
	ty to daphnia and other cinvertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): > 500 mg/l 3 h	
Persis	stence and degradabil	ity			
<u>Comp</u>	onents:				
Cellul	ose:				
Biode	gradability	:	Result: Readily bi	odegradable.	
Losar					
Stabili	ty in water	:	Hydrolysis: < 10 %	%(5 d)	



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-	ochlorothiazide: ity in water	: Hydrolysis: 46,2 °	%(96 h)
Bioad	cumulative potential		
<u>Com</u>	oonents:		
Losa	rtan:		
	ion coefficient: n- ol/water	: log Pow: 1,2	
Mobi	lity in soil		
No da	ata available		
Other	r adverse effects		
No da	ata available		
SECTION	13. DISPOSAL CONSI	DERATIONS	

Disposal methods

Waste from residues	:	Dispose of in accordance with local regulations.
Contaminated packaging :		Empty containers should be taken to an approved waste
		handling site for recycling or disposal.
		If not otherwise specified: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legisle mixture	atio	n specific for the substance or
Argentina. Carcinogenic Substances and Agents Registry.	:	Not applicable
Control of precursors and essential chemicals for the preparation of drugs.	:	Not applicable



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Interr	national Regulations			
The i AICS	ngredients of this pro	duct are reported in : not determined	the following inventories:	
DSL		: not determined		
IECS	C	: not determined		

SECTION 16. OTHER INFORMATION

Further information

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

Full text of other abbreviations

	USA. ACGIH Threshold Limit Values (TLV) Argentina. Occupational Exposure Limits
ACGIH / TWA AR OEL / CMP	8-hour, time-weighted average 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; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System



Losartan / Hydrochlorothiazide Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 23.03.2020
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