according to the OSHA Hazard Communication Standard



### **Losartan Formulation**

Version	Revision Date:	SDS Number:	Date of last issue: 03/20/2023
9.1	09/26/2023	19367-00022	Date of first issue: 10/07/2014

### **SECTION 1. IDENTIFICATION**

Product name	:	Losartan Formulation				
Manufacturer or supplier's details						
Company name of supplier	:	Organon & Co.				
Address	:	30 Hudson Street, 33nd floor				
		Jersey City, New Jersey, U.S.A 07302				
Telephone	:	1-551-430-6000				
Emergency telephone	:	1-215-631-6999				
E-mail address	:	EHSSTEWARD@organon.com				
Recommended use of the chemical and restrictions on use						
Recommended use	:	Pharmaceutical				
Restrictions on use	:	Not applicable				

### **SECTION 2. HAZARDS IDENTIFICATION**

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR
1910.1200)

Combustible dust

Acute toxicity (Oral)	:	Category 4
Serious eye damage	:	Category 1
Skin sensitization	:	Category 1
Reproductive toxicity	:	Category 1B
Effects on or via lactation		
Specific target organ toxicity - repeated exposure (Oral)	:	Category 2 (Blood, Cardio-vascular system, Stomach, Kidney)
GHS label elements Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	If small particles are generated during further processing, han- dling or by other means, may form combustible dust concentra- tions in air. H302 Harmful if swallowed. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H360D May damage the unborn child. H362 May cause harm to breast-fed children.

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			se damage to organs (Blood, Cardio-vascular ich, Kidney) through prolonged or repeated expo ed.
Preca	utionary Statements	P202 Do not ha and understood P260 Do not bu P263 Avoid co P264 Wash sk P270 Do not ea P272 Contamin the workplace.	reathe dust. ntact during pregnancy and while nursing. in thoroughly after handling. at, drink or smoke when using this product. nated work clothing must not be allowed out of otective gloves, protective clothing, eye protectio
		unwell. Rinse r P302 + P352 II P305 + P351 + water for sever and easy to do CENTER. P308 + P313 II P333 + P313 II tion.	<ul> <li>P330 IF SWALLOWED: Call a doctor if you fee mouth.</li> <li>F ON SKIN: Wash with plenty of soap and water</li> <li>P338 + P310 IF IN EYES: Rinse cautiously with ral minutes. Remove contact lenses, if present</li> <li>Continue rinsing. Immediately call a POISON</li> <li>F exposed or concerned: Get medical attention.</li> <li>f skin irritation or rash occurs: Get medical atten- ntaminated clothing before reuse.</li> </ul>
		<b>Storage:</b> P405 Store loc	ked up.
		<b>Disposal:</b> P501 Dispose disposal plant.	of contents and container to an approved waste

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

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	:	Mixture
---------------------	---	---------

### Components

CAS-No.	Concentration (% w/w)
9004-34-6	>= 30 - < 50
124750-99-8	>= 30 - < 50
9005-25-8	>= 10 - < 20
	124750-99-8

Actual concentration is withheld as a trade secret

### **SECTION 4. FIRST AID MEASURES**

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Genera	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 medic advice.				
lf inhal	ed	:	If inhaled, remove to fresh air. Get medical attention.				
In case	In case of skin contact In case of eye contact If swallowed		<ul> <li>In case of contact, immediately flush skin with soap and ple of water.</li> <li>Remove contaminated clothing and shoes.</li> <li>Get medical attention.</li> <li>Wash clothing before reuse.</li> <li>Thoroughly clean shoes before reuse.</li> </ul>				
In case			In case of contact for at least 15 min	, immediately flush eyes with plenty of water nutes. ove contact lens, if worn.			
If swal			If swallowed, DO Get medical atten Rinse mouth thor	NOT induce vomiting.			
	mportant symptoms fects, both acute and d	:	<ul> <li>Harmful if swallowed.</li> <li>May cause an allergic skin reaction.</li> <li>Causes serious eye damage.</li> <li>May damage the unborn child.</li> <li>May cause harm to breast-fed children.</li> <li>May cause damage to organs through prolonged or repeatexposure if swallowed.</li> <li>Contact with dust can cause mechanical irritation or dryin the skin.</li> </ul>				
Protec	tion of first-aiders	:	<ul> <li>First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).</li> </ul>				
Notes	to physician	:		cally 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)
Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.

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		protective equipment fighters	:	Remove undamag so. Evacuate area.	o cool unopened containers. ged containers from fire area if it is safe to do , wear self-contained breathing apparatus. ective equipment.
SEC	CTION 6	. ACCIDENTAL RELE	ASI	E MEASURES	
	tive equ	al precautions, protec- uipment and emer- procedures	:		ective equipment. ng advice (see section 7) and personal ent recommendations (see section 8).
	Environmental precautions		:	Retain and dispos	akage or spillage if safe to do so. e of contaminated wash water. hould 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	<ul> <li>Static electricity may accumulate and ignite suspended dust causing an explosion.</li> <li>Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.</li> </ul>
Local/Total ventilation	: If sufficient ventilation is unavailable, use with local exhaust ventilation.
Advice on safe handling	<ul> <li>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. Keep container closed when not in use.</li> </ul>

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NIOSH REL

OSHA Z-1

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		Take precaution Do not eat, drink	heat and sources of ignition. ary measures against static discharges. or smoke when using this product. event spills, waste and minimize release to the			
Conditions for safe storage		: Keep in properly labeled containers. Store locked up. Keep tightly closed.				
Materials to avoid		<ul> <li>Store in accordance with the particular national regulations.</li> <li>Do not store with the following product types: Strong oxidizing agents</li> <li>Self-reactive substances and mixtures</li> <li>Organic peroxides</li> <li>Explosives</li> <li>Gases</li> </ul>				

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace co	ontrol paramete	rs				
inert or nuisance dust	50 Million particles per cubic foot Value type (Form of exposure): TWA (total dust) Basis: OSHA Z-3					
	15 mg/m³ Value type (Form of exposure): TWA (total dust) Basis: OSHA Z-3					
	5 mg/m³ Value type (Form of exposure): TWA (respirable fraction) Basis: OSHA Z-3					
	15 Million particles per cubic foot Value type (Form of exposure): TWA (respirable fraction) Basis: OSHA Z-3					
Dust, nuisance dust and par- ticulates	10 mg/m³ Value type (Form of exposure): PEL (Total dust) Basis: CAL PEL					
	5 mg/m <sup>3</sup> Value type (Form of exposure): PEL (respirable dust fraction) Basis: CAL PEL					
Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis		
Cellulose	9004-34-6	TWA	10 mg/m <sup>3</sup>	ACGIH		
		TWA (Res- pirable)	5 mg/m <sup>3</sup>	NIOSH REL		
	1	<b>T</b> 1A/A // / I)	10 / 0			

TWA (total)

TWA (total

dust)

10 mg/m<sup>3</sup>

15 mg/m<sup>3</sup>

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			TWA (respir- able fraction)	5 mg/m³	OSHA Z-1
Losar	tan	124750-9		100 µg/m3 (OEB 2)	Internal
Starch	1	9005-25-8	3 TWA	10 mg/m <sup>3</sup>	ACGIH
			TWA (Res- pirable)	5 mg/m <sup>3</sup>	NIOSH RE
			TWA (total)	10 mg/m <sup>3</sup>	NIOSH RE
			TWA (total dust)	15 mg/m <sup>3</sup>	OSHA Z-1
			TWA (respir- able fraction)	5 mg/m <sup>3</sup>	OSHA Z-1
Deres		dust colle designed work area If sufficie ventilatio	ectors, vessels, and l in a manner to prev a (i.e., there is no lea nt ventilation is unav	stems (such as exha processing equipmer ent the escape of du akage from the equip vailable, use with loca	nt) are st into the ment).
	onal protective equip				
	ratory protection	maintain concentra unknown Follow O use NIOS by air pur hazardou supplied release, o circumsta	vapor exposures be ations are above rec , appropriate respira SHA respirator regu SH/MSHA approved rifying respirators ag us chemical is limited respirator if there is exposure levels are	ntilation is recommended limits or low recommended limits or tory protection shoul lations (29 CFR 1910 respirators. Protection ainst exposure to an d. Use a positive prese any potential for unch unknown, or any other ring respirators may n	mits. Where are d be worn. 0.134) and on provided y ssure air ontrolled er
Hand	protection	·	•		
Ma	aterial	: Chemica	I-resistant gloves		
Re	emarks	on the co time is no For spec resistanc gloves w	oncentration specific of determined for the ial applications, we r e to chemicals of the	ids against chemicals to place of work. Bre product. Change glo ecommend clarifying a aforementioned pro cturer. Wash hands	eakthrough oves often! the otective
Eye p	rotection	: Wear the Chemica	following personal p I resistant goggles m as are likely to occur	protective equipment nust be worn.	:
Skin a	and body protection	: Select ap	propriate protective	clothing based on ch sment of the local ex	nemical

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	Hygien	e measures	:	clothing (gloves, a If exposure to che eye flushing syste working place. When using do no Contaminated wo workplace.	be avoided by using impervious protective aprons, boots, etc). mical is likely during typical use, provide ms and safety showers close to the of eat, drink or smoke. rk clothing should not be allowed out of the ed clothing before re-use.				
SEC	SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES								
	Appea	rance	:	powder					
	Color		:	White to light yell	ow				
	Odor		:	No data available	)				
	Odor T	hreshold	:	No data available	)				
	рН		:	No data available	)				
	Melting	point/freezing point	:	No data available	)				
	Initial b range	oiling point and boiling	:	No data available	)				
	Flash p	point	:	No data available					
	Evapor	ation rate	:	No data available					
	Flamm	ability (solid, gas)	:	May form explosi handling or other	ve dust-air mixture during processing, means.				
	Flamm	ability (liquids)	:	No data available	)				
		explosion limit / Upper ability limit	:	No data available					
		explosion limit / Lower ability limit	:	No data available	)				
	Vapor	pressure	:	No data available	)				
	Relativ	e vapor density	:	No data available					
	Relativ	e density	:	No data available					
	Density	/	:	1 g/cm <sup>3</sup>					
		ity(ies) ter solubility n coefficient: n-	:	No data available No data available					

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	Autoig	ol/water nition temperature nposition temperature	-	No data available No data available	-
		ity cosity, kinematic sive properties	:	No data available Not explosive	9
		ing properties ular weight	:	The substance o No data available	r mixture is not classified as oxidizing.
	Minimu Particl	um ignition energy e size	:	> 300 mJ No data available	9

### 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

<b>Information on likely rou</b> Inhalation Skin contact Ingestion Eye contact	ites of exposure
Acute toxicity	
Harmful if swallowed.	
Product:	
Acute oral toxicity	: Acute toxicity estimate: 1,502 mg/kg Method: Calculation method
Components:	
Cellulose:	

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Acute	oral toxicity	:	LD50 (Rat): > 5	i,000 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): > 5 Exposure time: Test atmosphe	4 h
Acute	dermal toxicity	:	LD50 (Rabbit):	> 2,000 mg/kg
Losar	tan:			
Acute	oral toxicity	:	LD50 (Mouse):	1,257 - 1,590 mg/kg
			LDLo (Rat): 20	) mg/kg
			LDLo (Mouse):	400 mg/kg
Starch	ו:			
Acute	oral toxicity	:	LD50 (Rat): > 5	,000 mg/kg
Acute	dermal toxicity	:	LD50 (Rabbit):	> 2,000 mg/kg
	corrosion/irritation assified based on ava	ilable	information.	
<u>Comp</u>	onents:			
Losar	tan:			
Specie Result		:	Rabbit Mild skin irritati	on
	us eye damage/eye i		on	
	es serious eye damage	e.		
	oonents:			
Losar Specie			Rabbit	
Result		:	Severe irritation	1
Starch	n:			
Specie Result		:	Rabbit No eye irritatior	1
Respi	ratory or skin sensit	tizatio	n	
Skin s	sensitization			
May ca	ause an allergic skin r	reactio	on.	
-	ratory sensitization assified based on ava	ilahle	information	
NUL CI	assined based on ava	manie		

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nents: n: pe of exposure			
be			
nent		Maximization T Skin contact Guinea pig Probability or e positive	est widence of skin sensitization in humans
of exposure	::	Maximization T Skin contact Guinea pig negative	-est
• •	ailable	information.	
nents:			
	:	Test Type: Bac Result: negativ	eterial reverse mutation assay (AMES)
		Test Type: In v Result: negativ	itro mammalian cell gene mutation test e
cicity in vivo	:	Test Type: Mar cytogenetic ass Species: Mous Application Rou Result: negativ	e ute: Ingestion
n:			
cicity in vitro	:	Test Type: in v Result: negativ	
			itro mammalian cell gene mutation test hinese hamster ovary cells e
		Test Type: Alka Result: negativ	aline elution assay e
		Test Type: Chr Result: negativ	omosomal aberration e
cicity in vivo	:	Test Type: Chr Result: negativ	omosomal aberration e
	ell mutagenicity sified based on ava nents: se: dicity in vitro	of exposure :: ell mutagenicity sified based on available nents: se: cicity in vitro :: kicity in vitro :: n: cicity in vitro ::	of exposure : Skin contact : Guinea pig : negative ell mutagenicity sified based on available information. nents: se: ticity in vitro : Test Type: Bac Result: negativ Test Type: In v Result: negativ ticity in vivo : Test Type: Mar cytogenetic ass Species: Mous Application Rou Result: negativ n: ticity in vitro : Test Type: in v Result: negativ Test Type: In v Test Type: In v Test Type: In v Test Type: In v Test Type: Chr Result: negativ ticity in vivo : Test Type: Chr Result: negativ

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Geno	toxicity in vitro	: Test Type: Bacte Result: negative	erial reverse mutation assay (AMES)	
	inogenicity lassified based on ava	ilable information.		
Com	ponents:			
Cellu	lose:			
	cation Route sure time	: Rat : Ingestion : 72 weeks : negative		
	ies cation Route sure time	: Mouse : Oral : 92 weeks : 200 mg/kg body : negative	weight	
	cation Route sure time	: Rat : Oral : 105 weeks : 270 mg/kg body : negative	weight	
IARC			nt at levels greater than or equal to 0.1% is confirmed human carcinogen by IARC.	
OSH		ent of this product prese list of regulated carcino	ent at levels greater than or equal to 0.1% i gens.	
NTP		No ingredient of this product present at levels greater than or equal to 0.1% identified as a known or anticipated carcinogen by NTP.		
May o May o	oductive toxicity damage the unborn ch cause harm to breast- ponents:			
Cellu	llose:			
Effec	ts on fertility	: Test Type: One- Species: Rat Application Rout Result: negative		
Effec	ts on fetal developme	t : Test Type: Fertil Species: Rat Application Rout Result: negative		

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Losa	artan:			
Effects on fertility		:	Result: female re	nale
Effec	ts on fetal development	:	Developmental T Result: Embryoto	e: Oral Maternal: NOAEL: 10 mg/kg body weight oxicity: NOAEL F1: 20 mg/kg body weight oxic effects and adverse effects on the etected only at high maternally toxic doses,
	oductive toxicity - As- ment	:	Clear evidence o animal experime	f adverse effects on development, based on nts.
			Studies indicating period	g a hazard to babies during the lactation

### STOT-single exposure

Not classified based on available information.

### STOT-repeated exposure

May cause damage to organs (Blood, Cardio-vascular system, Stomach, Kidney) through prolonged or repeated exposure if swallowed.

#### Components:

Losartan:		
Routes of exposure Target Organs Assessment	:	Ingestion Blood, Cardio-vascular system, Stomach, Kidney May cause damage to organs through prolonged or repeated exposure.

#### Repeated dose toxicity

### Components:

Cellulose:		
Species	:	Rat
NOAEL	:	>= 9,000 mg/kg
Application Route	:	Ingestion
Exposure time	:	90 Days

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Spo LO Ap Ex Nu Tar NC Ap Ex Syo Spo LO Ap Ex Nu	sartan: ecies AEL plication Route posure time mber of exposures rget Organs ecies DAEL plication Route posure time mptoms ecies AEL plication Route posure time mber of exposures mber of exposures mptoms	<ul> <li>Rat</li> <li>15 mg/kg</li> <li>Oral</li> <li>309 d</li> <li>daily</li> <li>Blood, Kidney,</li> <li>Dog</li> <li>5 mg/kg</li> <li>Oral</li> <li>1 Months</li> <li>Salivation, Vor</li> <li>Dog</li> <li>25 mg/kg</li> <li>Oral</li> <li>53 Weeks</li> <li>daily</li> <li>Salivation, Vor</li> </ul>			
Syi	mptoms	: Salivation, vor	niting		
Spo NC Apj Exj	arch: ecies DAEL plication Route posure time thod	: Rat : >= 2,000 mg/k : Skin contact : 28 Days : OECD Test Gu	-		
No <u>Co</u> Lo:	Aspiration toxicity Not classified based on available information. <u>Components:</u> Losartan: No aspiration toxicity classification				
Ex	Experience with human exposure				
	Components:				
Eye	<b>sartan:</b> e contact estion	: Symptoms: Ey : Symptoms: hy	e irritation potension, tachycardia		
SECTIC	SECTION 12. ECOLOGICAL INFORMATION				
Ec	otoxicity				
<u>Co</u>	mponents:				

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Toxic	ity to fish	:	Exposure time: 48	ipes (Japanese medaka)): > 100 mg/l 3 h on data from similar materials
Losa	rtan:			
Toxic	ity to fish	:	LC50 (Oncorhync Exposure time: 96 Method: FDA 4.17	
	ity to daphnia and other ic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
Toxic plants	ity to algae/aquatic	:	NOEC (Microcyst Exposure time: 10 Method: FDA 4.07	
			NOEC (Selenastr Exposure time: 10 Method: FDA 4.01	
Toxic icity)	ity to fish (Chronic tox-	:	NOEC (Pimephale Exposure time: 32 Method: OECD Te	
	ity to daphnia and other ic invertebrates (Chron- city)	:	NOEC (Daphnia r Exposure time: 21 Method: OECD Te	
Persi	stence and degradabili	ity		
<u>Com</u>	oonents:			
<b>Cellu</b> Biode	<b>lose:</b> gradability	:	Result: Readily bi	odegradable.
<b>Losa</b> Stabil	r <b>tan:</b> ity in water	:	Hydrolysis: < 10 %	%(5 d)
Bioad	cumulative potential			
Com	oonents:			
	r <b>tan:</b> on coefficient: n- ol/water	:	log Pow: 1.2	
	l <b>ity in soil</b> Ita available			
	<b>adverse effects</b> Ita available			

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### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

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

#### **Domestic regulation**

**49 CFR** Not regulated as a dangerous good

#### Special precautions for user

Not applicable

### SECTION 15. REGULATORY INFORMATION

### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity** This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards

: Combustible dust Acute toxicity (any route of exposure) Respiratory or skin sensitization Reproductive toxicity Specific target organ toxicity (single or repeated exposure) Serious eye damage or eye irritation

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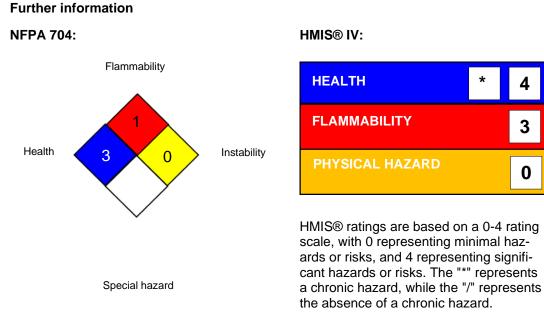
3

0

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SAR	A 313	known CAS nu	loes not contain any chemical compo umbers that exceed the threshold (De s established by SARA Title III, Section	Minimis)	
US S	tate Regulations				
Penn	sylvania Right To Kr	างพ			
	Cellulose Losartan D-Glucose, 4-O-  Starch	β-D-galactopyranosyl-	9004-34-6 124750-99- , monohydrate 64044-51-5 9005-25-8		
Calif	ornia Permissible Ex	posure Limits for Ch	emical Contaminants		
	Cellulose Starch		9004-34-6 9005-25-8		
The ingredients of this product are reported in the following inventories:					
AICS	i	: not determined	t		
DSL		: not determined	ł		
IECS	C	: not determined	t		

### **SECTION 16. OTHER INFORMATION**



### Full text of other abbreviations

:

:

ACGIH	
CAL PEL	

USA. ACGIH Threshold Limit Values (TLV)

California permissible exposure limits for chemical contaminants (Title 8, Article 107)

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NIOSI	HREL	: USA. NIOS	H Recommended Exposure Limits		
OSHA Z-1		: USA. Occup	: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim- its for Air Contaminants		
OSHA Z-3		: USA. Occup eral Dusts	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Min- eral Dusts		
ACGIH / TWA		: 8-hour, time	8-hour, time-weighted average		
CAL PEL / PEL		: Permissible	Permissible exposure limit		
NIOSH REL / TWA			Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek		
OSHA Z-1 / TWA		: 8-hour time	8-hour time weighted average		
OSHA Z-3 / TWA		: 8-hour time	8-hour time weighted average		

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification System; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; 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

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/
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Revision Date : 09/26/2023

according to the OSHA Hazard Communication Standard



### Losartan Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 03/20/2023
9.1	09/26/2023	19367-00022	Date of first issue: 10/07/2014

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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