

Version 3.0	Revision Date: 10.10.2020	-	S Number: 05092-00008	Date of last issue: 13.09.2019 Date of first issue: 23.10.2017
Section 1	: Identification			
Prod	uct name	:	Desloratadine / P	seudoephedrine Formulation
Man Com	ufacturer or supplier's d pany	letai :	ls Organon & Co.	
Addr	ess	:	30 Hudson Stree Jersey City, New	t, 33nd floor Jersey, U.S.A 07302
Telep	phone	:	551-430-6000	
Eme	rgency telephone number	:	215-631-6999	
E-ma	ail address	:	EHSSTEWARD@	⊉organon.com
	ommended use of the ch ommended use	-	ical and restrictic Pharmaceutical	ons on use
Section 2	: Hazard identification			
Spec	Classification ific target organ toxicity - ated exposure (Oral)	:	Category 1 (Cent	tral nervous system)
repea	ific target organ toxicity - ated exposure lation)	:	Category 1 (Carc	lio-vascular system)
GHS	label elements			
Haza	ard pictograms	:		
Signa	al word	:	Danger	
Haza	ard statements	:	through prolonge H372 Causes da	mage to organs (Central nervous system) of or repeated exposure if swallowed. mage to organs (Cardio-vascular system) of or repeated exposure if inhaled.
Prec	autionary statements	:	P264 Wash skin P270 Do not eat, Response:	athe dust/ fume/ gas/ mist/ vapours/ spray. thoroughly after handling. drink or smoke when using this product. al advice/ attention if you feel unwell.

In case of skin contact

In case of eye contact

Most important symptoms

Protection of first-aiders

Section 5: Fire-fighting measures

Suitable extinguishing media :

Notes to physician

and effects, both acute and

If swallowed

delayed

:

:

:

:

of water.

Get medical attention. Wash clothing before reuse.

Get medical attention.

exposure if swallowed.

exposure if inhaled.



Desloratadine / Pseudoephedrine Formulation

Version 3.0	Revision Date: 10.10.2020	SDS Number: 2095092-00008		sue: 13.09.2019 sue: 23.10.2017
		P501 Dispo disposal pla		ainer to an approved waste
Othe	r hazards which do r	not result in classif	ication	
None	known.			
Section 3	: Composition/inforr	nation on ingredie	nts	
Subs	tance / Mixture	: Mixture		
Com	ponents			
Chen	nical name		CAS-No.	Concentration (% w/w)
Cellu	lose		9004-34-6	>= 30 -< 60
Bis[[S	S-(R*,R*)]-(β-hydroxy-	α-	7460-12-0	>= 10 -< 30
meth	ylphenethyl)methylam	monium] sulphate		
Disoc	lium EDTA, dihydrate		6381-92-6	< 10
Citric	acid		77-92-9	< 10
Deslo	oratadine		100643-71-8	< 1
Section 4	: First-aid measures			
Gene	eral advice	vice immedia	ately.	feel unwell, seek medical ad- cases of doubt seek medical
lf inha	aled	: If inhaled, re Get medical	move to fresh air. attention.	

In case of contact, immediately flush skin with soap and plenty

Get medical attention if irritation develops and persists.

Causes damage to organs through prolonged or repeated

Causes damage to organs through prolonged or repeated

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).

Remove contaminated clothing and shoes.

Thoroughly clean shoes before reuse.

Flush eyes with water as a precaution.

: If swallowed, DO NOT induce vomiting.

Rinse mouth thoroughly with water.

Treat symptomatically and supportively.

Carbon dioxide (CO2) Dry chemical

Water spray

Alcohol-resistant foam



Ver 3.0	sion	Revision Date: 10.10.2020		OS Number: 95092-00008	Date of last issue: 13.09.2019 Date of first issue: 23.10.2017
	Unsuita media	ble extinguishing	:	None known.	
	Specific fighting	c hazards during fire-	:	Exposure to comb	pustion products may be a hazard to health.
	0 0	ous combustion prod-	:	Carbon oxides Nitrogen oxides (I Metal oxides	NOx)
	Specific ods	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
	Special for firefi	protective equipment ghters	:	In the event of fire	e, wear self-contained breathing apparatus. tective equipment.

Section 6: Accidental release measures

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	:	Sweep up or vacuum up spillage and collect in suitable con- tainer for disposal. 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.

Section 7: Handling and storage

Technical measures		See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	Use only with adequate ventilation.
Advice on safe handling		Do not breathe dust, fume, gas, mist, vapours or spray. 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 Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the
11		environment.



Version 3.0	Revision Date: 10.10.2020	SDS Number: 2095092-00008	Date of last issue: 13.09.2019 Date of first issue: 23.10.2017
Co	giene measures nditions for safe storage iterials to avoid	flushing systems place. When using do r Wash contamina The effective ope engineering cont appropriate dego industrial hygien use of administra : Keep in properly Store in accorda	emical is likely during typical use, provide eye and safety showers close to the working not eat, drink or smoke. Inted 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 ative controls. labelled containers. nce with the particular national regulations. in the following product types:
		Strong oxidizing	agents

Section 8: Exposure controls/personal protection

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Cellulose	9004-34-6	WES-TWA	10 mg/m3	NZ OEL
		TWA	10 mg/m3	ACGIH
Bis[[S-(R*,R*)]-(β-hydroxy-α- methylphenethyl)methylammo nium] sulphate	7460-12-0	TWA	50 µg/m3 (OEB 3)	Internal
		Wipe limit	500 µg/100 cm ²	Internal
Desloratadine	100643-71-8	TWA	20 µg/m3 (OEB 3)	Internal
		Wipe limit	200 µg/100 cm ²	Internal

Engineering measures :	All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face con- tainment devices). Minimize open handling.
Personal protective equipment	

i oroonar protoonro oquipinor	•	
Respiratory protection : Filter type : Hand protection	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Particulates type	
Material :	Chemical-resistant gloves	
Remarks : Eye protection :	Consider double gloving. 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	



Versi 3.0	on Revision Date: 10.10.2020		S Number: 95092-00008	Date of last issue: 13.09.2019 Date of first issue: 23.10.2017				
Skin and body protection		on :	 potential for direct contact to the face with dusts, mists, or aerosols. Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing. 					
Secti	ion 9: Physical and cl	nemical pr	operties					
1	Appearance	:	solid					
(Colour	:	white, blue					
(Odour	:	No data available	9				
(Odour Threshold	:	No data available	2				
F	На	:	No data available	2				
ſ	Melting point/freezing p	ooint :	No data available	9				
	Initial boiling point and range	boiling :	No data available	9				
I	Flash point	:	Not applicable					
I	Evaporation rate	:	Not applicable					
I	Flammability (solid, gas	s) :	Not classified as	a flammability hazard				
I	Flammability (liquids)	:	No data available	9				
	Upper explosion limit / flammability limit	Upper :	No data available	9				
	Lower explosion limit / flammability limit	Lower :	No data available	9				
v	Vapour pressure	:	Not applicable					
I	Relative vapour density	/ :	Not applicable					
I	Relative density	:	No data available					
[Density	:	No data available	9				
ę	Solubility(ies) Water solubility	:	No data available	9				
	Partition coefficient: n-	:	Not applicable					
	octanol/water Auto-ignition temperatu	ire :	No data available	9				



Decomposition temperature : No data available Viscosity Viscosity, kinematic : Not applicable Explosive properties : Not explosive Oxidizing properties : The substance or mixture is not classified as oxidizing. Particle size : Not data available Section 10: Stability and reactivity : Not classified as a reactivity hazard. Chemical stability : Stable under normal conditions. Possibility of hazardous reac- tions : Can react with strong oxidizing agents. Conditions to avoid : No hazardous decomposition products are known. Procompatible materials : No hazardous decomposition products are known. Products : No hazardous decomposition products are known. Products : No hazardous decomposition products are known. Productis : No hazardous decomposition products are known. Productis : No classified based on available information. Producti : : : Acute toxicity : : : Matte oral toxicity : : :	ersion .0	Revision Date: 10.10.2020	-	S Number: 95092-00008	Date of last issue: 13.09.2019 Date of first issue: 23.10.2017	
Viscosity, kinematic : Not applicable Explosive properties : Not explosive Oxidizing properties : The substance or mixture is not classified as oxidizing. Particle size : No data available Section 10: Stability and reactivity : Not classified as a reactivity hazard. Perticle size : Not classified as a reactivity hazard. Possibility of hazardous reactivity of hazardous reactivity is the under normal conditions. Conditions to avoid Conditions to avoid : None known. Incompatible materials : Oxidizing agents Hazardous decomposition : No hazardous decomposition products are known. products : No hazardous decomposition products are known. products : No hazardous decomposition products are known. Products : Skin contact Ingestion Eye contact . Acute toxicity : Acute toxicity estimate: > 2,000 mg/kg Acute oral toxicity : Acute toxicity estimate: > 5 mg/l Exposure ime: 4 h Test atmosphere: dust/mist Acute oral toxicity : L	De	composition temperature	:	No data available	2	
Oxidizing properties : The substance or mixture is not classified as oxidizing. Particle size : No data available Section 10: Stability and reactivity : Not classified as a reactivity hazard. Chemical stability : Stable under normal conditions. Possibility of hazardous reactions : Stable under normal conditions. Possibility of hazardous reactions : Can react with strong oxidizing agents. Incompatible materials : Oxidizing agents. Hazardous decomposition : No hazardous decomposition products are known. products : : No hazardous decomposition products are known. Products : : : No hazardous decomposition products are known. Products : : : : : Acute toxicity : : : : : Acute inhalation toxicity : : <t< td=""><td></td><td></td><td>:</td><td>Not applicable</td><td></td></t<>			:	Not applicable		
Particle size : No data available Section 10: Stability and reactivity Reactivity : Stable under normal conditions. Possibility of hazardous reac- tions : Can react with strong oxidizing agents. Domain Stability : Stable under normal conditions. Possibility of hazardous reac- tions : Can react with strong oxidizing agents. Conditions to avoid : None known. Incompatible materials : Oxidizing agents Hazardous decomposition : Non hazardous decomposition products are known. products : None known. Betton 11: Toxicological information : Product Exposure routes : Skin contact Ingestion Eye contact Acute toxicity : Skin contact Ingestion Eye contact Acute toxicity : Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method Components: : Cellulose: : Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute inhalation toxicity : LD50 (Rat): > 2,000 mg/kg Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate:	Exp	plosive properties	:	Not explosive		
Section 10: Stability and reactivity Reactivity : Not classified as a reactivity hazard. Chemical stability : Stable under normal conditions. Possibility of hazardous reac- tions : Can react with strong oxidizing agents. Conditions to avoid : None known. Incompatible materials : Oxidizing agents Hazardous decomposition : No hazardous decomposition products are known. products : No hazardous decomposition products are known. Products : No hazardous decomposition products are known. Products : Skin contact ingestion Eye contact Acute toxicity : Skin contact ingestion Eye contact Acute toxicity : Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method Components: : Concornal toxicity : Acute inhalation toxicity : LD50 (Rat): > 5,000 mg/kg Acute inhalation toxicity : LD50 (Rat): > 2,000 mg/kg Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium]	Ox	idizing properties	:	The substance o	r mixture is not classified as oxidizing.	
Reactivity : Not classified as a reactivity hazard. Chemical stability : Stable under normal conditions. Possibility of hazardous reac- tions : Can react with strong oxidizing agents. Conditions to avoid : None known. Incompatible materials : Oxidizing agents Hazardous decomposition : No hazardous decomposition products are known. products : No hazardous decomposition products are known. isotion : : No hazardous decomposition products are known. products : No hazardous decomposition products are known. isotion : : No hazardous decomposition products are known. isotion : : : No hazardous decomposition products are known. isotion : : : No hazardous decomposition products are known. isotion : : : : No hazardous decomposition products are known. isotion : : : : : : isotion : : : : : Acute toxicity	Pa	rticle size	:	No data available	9	
Chemical stability : Stable under normal conditions. Possibility of hazardous reac- tions : Can react with strong oxidizing agents. Conditions to avoid : None known. Incompatible materials : Oxidizing agents Hazardous decomposition products : No hazardous decomposition products are known. ection 11: Toxicological information : No hazardous decomposition products are known. Exposure routes : Skin contact Ingestion Eye contact : Acute toxicity : Skin contact Ingestion Eye contact : Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method Components: : LD50 (Rat): > 5,000 mg/kg Acute inhalation toxicity : LD50 (Rat): > 2,000 mg/kg Acute dermal toxicity : LD50 (Rabit): > 2,000 mg/kg Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Sulphate:	ection	10: Stability and reactiv	ity			
Continuent Xone known. Incompatible materials Your Control is Control	Ch Pos	emical stability ssibility of hazardous reac-	:	Stable under nor	mal conditions.	
Exposure routes : Skin contact Ingestion Eye contact Acute toxicity . Not classified based on available information. . Product: . Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method Components: . Cellulose: . Acute inhalation toxicity : LD50 (Rat): > 5,000 mg/kg Acute inhalation toxicity : LD50 (Rat): > 5,000 mg/kg Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute inhalation toxicity : LD50 (Rat): > 5,000 mg/kg Acute inhalation toxicity : LD50 (Rat): > 5,000 mg/kg Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate:	Co Inc Ha	nditions to avoid ompatible materials zardous decomposition	:	: Oxidizing agents		
Ingestion Eye contact Acute toxicity Not classified based on available information. Product: Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method Components: Cellulose: Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute inhalation toxicity : LD50 (Rat): > 5.8 mg/l Exposure time: 4 h Test atmosphere: dust/mist Acute inhalation toxicity : LD50 (Rat): > 5.8 mg/l Exposure time: 4 h Test atmosphere: dust/mist Acute dermal toxicity : LD50 (Rabit): > 2,000 mg/kg Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate:	ection	11: Toxicological inform	natio	n		
Not classified based on available information. Product: Acute oral toxicity : Acute oral toxicity : Acute inhalation toxicity : Acute oral toxicity : Loss : Acute oral toxicity : Loss : Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute inhalation toxicity : LC50 (Rat): > 5.8 mg/l Exposure time: 4 h Test atmosphere: dust/mist Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate:	Exp	posure routes	:	Ingestion		
Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method Components: Cellulose: Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute inhalation toxicity : LD50 (Rat): > 5.8 mg/l Exposure time: 4 h Test atmosphere: dust/mist Acute inhalation toxicity : LC50 (Rat): > 5.8 mg/l Exposure time: 4 h Test atmosphere: dust/mist Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate:		-	able	information.		
Method: Calculation method Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method Components: Calculation method Cellulose: . Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute inhalation toxicity : LC50 (Rat): > 5.8 mg/l Exposure time: 4 h Test atmosphere: dust/mist Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate:	Pro	oduct:				
Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method Cellulose: Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute inhalation toxicity : LC50 (Rat): > 5.8 mg/l Exposure time: 4 h Test atmosphere: dust/mist Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate:	Ас	ute oral toxicity	:			
Cellulose: Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute inhalation toxicity : LC50 (Rat): > 5.8 mg/l Exposure time: 4 h Test atmosphere: dust/mist Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate:	Acu	ute inhalation toxicity	:	Exposure time: 4 Test atmosphere:	h dust/mist	
Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute inhalation toxicity : LC50 (Rat): > 5.8 mg/l Exposure time: 4 h Test atmosphere: dust/mist Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate:	<u>Co</u>	mponents:				
Acute inhalation toxicity : LC50 (Rat): > 5.8 mg/l Exposure time: 4 h Test atmosphere: dust/mist Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate:	Ce	llulose:				
Exposure time: 4 h Test atmosphere: dust/mist Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate:	Ас	ute oral toxicity	:	LD50 (Rat): > 5,0	00 mg/kg	
Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate:	Ас	ute inhalation toxicity	:	Exposure time: 4	h	
	Acu	ute dermal toxicity	:	LD50 (Rabbit): > 2	2,000 mg/kg	
		[[S-(R*,R*)]-(β-hydroxy-o ute oral toxicity	- me :	thylphenethyl)me LD50 (Rat): 660 n		

SAFETY DATA SHEET



Desloratadine / Pseudoephedrine Formulation

ersion .0	Revision Date: 10.10.2020		95092-00008	Date of last issue: 13.09.2019 Date of first issue: 23.10.2017
11				
			LD50 (Mouse): 3	371 mg/kg
Acute	e inhalation toxicity	:	LC50 (Rat): > 2. Exposure time: 4 Test atmosphere	4 h
Acute	e dermal toxicity	:	LD50 (Rat): > 2, Remarks: Inform similar substanc	nation given is based on data obtained from
	dium EDTA, dihydrat	te:		
- UL	e oral toxicity	:	LD50 (Rat): 2,80 Remarks: Based	00 mg/kg d on data from similar materials
Acute	e inhalation toxicity	:		6 h
Citric	c acid:			
Acute	e oral toxicity	:	LD50 (Mouse):	5,400 mg/kg
Acute	e dermal toxicity	:		000 mg/kg Test Guideline 402 e substance or mixture has no acute dermal
Desid	oratadine:			
11	e oral toxicity	:	LD50 (Rat): > 54	19 mg/kg
			LD50 (Mouse): 3	353 mg/kg
			LD50 (Monkey): Symptoms: Vom Remarks: No me	
II Skin	corrosion/irritation			
-	lassified based on ava	ailable	information.	
Com	ponents:			
Bis[[S-(R*,R*)]-(β-hydroxy	y-α-me	thylphenethyl)n	nethylammonium] sulphate:
Spec		:	Rabbit	
Rocu	17		No skin irritation	

Result	:	No skin irritation

Disodium	EDTA,	dihydrate:

Species	:	Rabbit
Result	:	No skin irritation
Remarks	:	Based on data from similar materials



Citric acid: Species : Method :: Deslocatadine: Species :: Species :: Serious eye damage/eye irritation Not classified based on available information. Components: Bis[[5-(R*,R*)]-(ß-hydroxy-o-methylphenethyl)methylammonium] sulphate: Species : Result : Not classified based on available information. Components: Bis[[5-(R*,R*)]-(ß-hydroxy-o-methylphenethyl)methylammonium] sulphate: Species : Result : Result : Bagecies : Result : Result : Result : Result : Species : Result : Result : Result : <th>ersion .0</th> <th>Revision Date: 10.10.2020</th> <th>SDS Number: 2095092-00008</th> <th>Date of last issue: 13.09.2019 Date of first issue: 23.10.2017</th>	ersion .0	Revision Date: 10.10.2020	SDS Number: 2095092-00008	Date of last issue: 13.09.2019 Date of first issue: 23.10.2017
Method :: OECD Test Guideline 404 Result :: No skin irritation Desloratadine:	Citric	acid:		
Method :: OECD Test Guideline 404 Result :: No skin irritation Desloratadine: Species :: Result :: No skin irritation Serious eye damage/eye irritation Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Species :: Rabbit Result :: No eye irritation Disodium EDTA, dihydrate: Species :: Species :: Rabbit Result :: No eye irritation Result :: : No eye irritation Species :: Rabbit Result Result :: : Disofurm EDTA Method :: : OECD Test Guideline 405 Species :: : Result : Skin sensiti			: Rabbit	
Result : No skin irritation Destoratadine:				Guideline 404
Species : Rabbit Result : No skin irritation Serious eye damage/eye irritation Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Species : Rabbit Result : No eye irritation Disodium EDTA, dihydrate: Bypecies : Rabbit Result : No eye irritation Bis[cies : Rabbit Result : No eye irritation Bispecies : Rabbit Result : No eye irritation Result : No eye irritation to eyes, reversing within 21 days Wethod : OECD Test Guideline 405 Desloratadine: : Severe eye irritation Respiratory or skin sensitisation : Severe eye irritation Respiratory or skin sensitiation : Severe eye irritation Stin sensitisation : No classified based on available information. Components: <td< td=""><td></td><td></td><td></td><td></td></td<>				
Species : Rabbit Result : No skin irritation Serious eye damage/eye irritation Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Species : Rabbit Result : No eye irritation Disodium EDTA, dihydrate: Bypecies : Rabbit Result : No eye irritation Bis[cies : Rabbit Result : No eye irritation Bispecies : Rabbit Result : No eye irritation Result : No eye irritation to eyes, reversing within 21 days Wethod : OECD Test Guideline 405 Desloratadine: : Severe eye irritation Respiratory or skin sensitisation : Severe eye irritation Respiratory or skin sensitiation : Severe eye irritation Stin sensitisation : No classified based on available information. Components: <td< td=""><td></td><td>ratadine:</td><td></td><td></td></td<>		ratadine:		
Result : No skin irritation Serious eye damage/eye irritation Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Species : Rabbit Result : No eye irritation Disodium EDTA, dihydrate: : No eye irritation Bypecies : Rabbit Result : No eye irritation Bypecies : Rabbit Result : Species Bypecies : Rabbit Result : Dased on data from similar materials Citric acid: : Species : Rabbit Result : OECD Test Guideline 405 Destoratadine: : Species : Rabbit Remarks : Severe eye irritation At classified based on available information. : Respiratory or skin sensitisation Skin sensitisation : No data available information. Components: : No data available Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Remarks : No data available Disodium EDTA, dihydrate: :	1.1.		· Rabbit	
Not classified based on available information. Components: Bis[[\$-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Species : Rabbit Result : No eye irritation Disodium EDTA, dihydrate: Species Species : Rabbit Result : No eye irritation Result : No eye irritation Remarks : Based on data from similar materials Citric acid:				ation
Not classified based on available information. Components: Bis[[\$-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Species : Rabbit Result : No eye irritation Disodium EDTA, dihydrate: Species Species : Rabbit Result : No eye irritation Result : No eye irritation Remarks : Based on data from similar materials Citric acid:	Seriou	is eve damage/eve	irritation	
Components: Bis[[\$-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Species : Rabbit Result : No eye irritation Disodium EDTA, dihydrate: Species Species : Rabbit Result : No eye irritation Remarks : Based on data from similar materials Citric acid: Species Species : Rabbit Result : Irritation to eyes, reversing within 21 days Method : OECD Test Guideline 405 Desloratadine: Species Species : Rabbit Remarks : Severe eye irritation Respiratory or skin sensitisation Skin sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Components: Bis[[\$-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Remarks Remarks : No data available Disodium EDTA, dihydrate: : No data available Disoloum EDTA, dihydrate: : Skin contact Exposure routes : Skin contact Exposure routes : Skin contact <td></td> <td></td> <td></td> <td></td>				
Bis[[S-{R*,R*]}-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Species : Result : No eye irritation Disodium EDTA, dihydrate: Species : Result : Result : Species : Result : Result : Result : Species : Result : Species : Species : Species : Species : Species : Result : Result : Result : Species : Skin sensitisation				
Species :: Rabbit Result :: No eye irritation Disodium EDTA, dihydrate: Species :: Species :: Rabbit Result :: No eye irritation Remarks :: No eye irritation Remarks :: Based on data from similar materials Citric acid: : Species Species :: Rabbit Result :: Irritation to eyes, reversing within 21 days Method :: OECD Test Guideline 405 Desloratadine: : Species Species :: Rabbit Remarks :: Severe eye irritation Respiratory or skin sensitisation Skin sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Remarks Remarks :: No data available Disodium EDTA, dihydrate: : No data available Disodium EDTA, dihydrate: :<	11		/-α-methvlpheneth	vl)methvlammonium] sulphate:
Result : No eye irritation Disodium EDTA, dihydrate: Species Species : Rabbit Result : No eye irritation Remarks : Based on data from similar materials Citric acid: : Species : Rabbit Result : Irritation to eyes, reversing within 21 days Method : OECD Test Guideline 405 Desloratadine: : Species : Rabbit Remarks : Severe eye irritation Respiratory or skin sensitisation Skin sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Remarks : No data available Disodium EDTA, dihydrate: Test Type : Maximisation Test Exposure routes : Skin contact Species : Guinea pig Result : negative				
Species : Rabbit Result : No eye irritation Remarks : Based on data from similar materials Citric acid: : Species Species : Rabbit Result : Irritation to eyes, reversing within 21 days Method : OECD Test Guideline 405 Desloratadine: : Species Species : Rabbit Remarks : Severe eye irritation Respiratory or skin sensitisation Skin sensitisation Skin sensitisation Not classified based on available information. Respiratory sensitisation . Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Remarks Remarks : No data available Disodium EDTA, dihydrate: : Maximisation Test Exposure routes : Skin contact Species : Guine a pig Result : negative				ation
Species : Rabbit Result : No eye irritation Remarks : Based on data from similar materials Citric acid: : Species Species : Rabbit Result : Irritation to eyes, reversing within 21 days Method : OECD Test Guideline 405 Desloratadine: : Species Species : Rabbit Remarks : Severe eye irritation Respiratory or skin sensitisation Skin sensitisation Skin sensitisation Not classified based on available information. Respiratory sensitisation . Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Remarks Remarks : No data available Disodium EDTA, dihydrate: : Maximisation Test Exposure routes : Skin contact Species : Guine a pig Result : negative				
Result : No eye irritation Remarks : Based on data from similar materials Citric acid: : Based on data from similar materials Species : Rabbit Result : Irritation to eyes, reversing within 21 days Method : OECD Test Guideline 405 Desloratadine: . Species : Remarks : Species : Respiratory or skin sensitisation Skin sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Remarks : Remarks : No data available Disodium EDTA, dihydrate: Test Type : Test Type : Skin contact Species : Species : System contact Species : Result :	4.4.	-		
Remarks : Based on data from similar materials Citric acid: Species Species : Rabbit Result : Irritation to eyes, reversing within 21 days Method : OECD Test Guideline 405 Desloratadine: Species Species : Rabbit Remarks : Severe eye irritation Respiratory or skin sensitisation Skin sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Remarks : No data available Disodium EDTA, dihydrate: Test Type : Maximisation Test Exposure routes : Skin contact Species : Guinea pig Result : negative				ation
Citric acid: Species : Rabbit Result : Irritation to eyes, reversing within 21 days Method : OECD Test Guideline 405 Desloratadine: : Species Species : Rabbit Remarks : Severe eye irritation Skin sensitisation Skin sensitisation Skin sensitisation Not classified based on available information. Respiratory sensitisation . Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Remarks Remarks : No data available Disodium EDTA, dihydrate: : Not data available Disoure coutes : Skin contact Species : Guinea pig Result : : Result : :				
Species : Rabbit Result : Irritation to eyes, reversing within 21 days Method : OECD Test Guideline 405 Desloratadine: . Species : Remarks : Stin sensitisation Skin sensitisation Skin sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Remarks : No data available Disodium EDTA, dihydrate: Test Type : Exposure routes : Skin contact Species : Subjective :		K3	. Dased on d	
Result : Irritation to eyes, reversing within 21 days Method : OECD Test Guideline 405 Desloratadine: : Species : Species : Rabbit Remarks : Severe eye irritation Skin sensitisation Skin sensitisation Skin sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Remarks : No data available Disodium EDTA, dihydrate: Test Type : Exposure routes : Skin contact Species : Skein contact Species : Seult :	Citric	acid:		
Method : OECD Test Guideline 405 Desloratadine: Species : Rabbit Remarks : Severe eye irritation Skin sensitisation Skin sensitisation Skin sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Remarks : No data available Disodium EDTA, dihydrate: Test Type : Maximisation Test Exposure routes : Skin contact Species : Guinea pig Result : negative				
Desloratadine: Species : Rabbit Remarks : Severe eye irritation Skin sensitisation Skin sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Remarks : No data available Disodium EDTA, dihydrate: Test Type : Maximisation Test Exposure routes : Skin contact Species : Guinea pig Result : negative				
Species : Rabbit Remarks : Severe eye irritation Respiratory or skin sensitisation Skin sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Remarks : No data available Disodium EDTA, dihydrate: Test Type : Maximisation Test Exposure routes : Skin contact Species : Guinea pig Result : negative	Metho	d	: OECD Test	Guideline 405
Remarks : Severe eye irritation Respiratory or skin sensitisation Skin sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Remarks : No data available Disodium EDTA, dihydrate: Test Type : Maximisation Test Exposure routes : Skin contact Species : Guinea pig Result : negative	Deslo	ratadine:		
Remarks : Severe eye irritation Respiratory or skin sensitisation Skin sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Remarks : No data available Disodium EDTA, dihydrate: Test Type : Maximisation Test Exposure routes : Skin contact Species : Guinea pig Result : negative	Specie	S	: Rabbit	
Skin sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Remarks : No data available Disodium EDTA, dihydrate: Test Type : Maximisation Test Exposure routes : Skin contact Species : Guinea pig Result : negative			: Severe eye	irritation
Skin sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Remarks : No data available Disodium EDTA, dihydrate: Test Type : Exposure routes : Skin contact Species : Guinea pig Result :	Respir	ratorv or skin sens	tisation	
Not classified based on available information. Respiratory sensitisation Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Remarks : No data available Disodium EDTA, dihydrate: Test Type : Maximisation Test Exposure routes : Skin contact Species : Guinea pig Result : negative	•	•		
Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Remarks : No data available Disodium EDTA, dihydrate: Test Type : Exposure routes : Species : Guinea pig Result :			ailable information.	
Not classified based on available information. Components: Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Remarks : No data available Disodium EDTA, dihydrate: Test Type : Exposure routes : Species : Guinea pig Result :	Respir	ratory sensitisation		
Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate: Remarks : No data available Disodium EDTA, dihydrate: Test Type : Maximisation Test Exposure routes : Skin contact Species : Guinea pig Result : negative	•	•		
Remarks : No data available Disodium EDTA, dihydrate:	Comp	onents:		
Disodium EDTA, dihydrate: Test Type : Maximisation Test Exposure routes : Skin contact Species : Guinea pig Result : negative	Bis[[S	-(R*,R*)]-(β-hydrox		
Test Type: Maximisation TestExposure routes: Skin contactSpecies: Guinea pigResult: negative	Remar	ks	: No data ava	ailable
Test Type: Maximisation TestExposure routes: Skin contactSpecies: Guinea pigResult: negative	Disodi	ium EDTA dibydra	e:	
Exposure routes:Skin contactSpecies:Guinea pigResult:negative	1.1.	-		n Test
Species : Guinea pig Result : negative				
Result : negative				
Remarks : Based on data from similar materials	Result		: negative	
	Remar	ks	: Based on d	ata from similar materials



ersion D	Revision Date: 10.10.2020	SDS Number: 2095092-00008	Date of last issue: 13.09.2019 Date of first issue: 23.10.2017
Test	sure routes ies	: Maximisatior : Dermal : Guinea pig : negative	n Test
Chro	nic toxicity		
	cell mutagenicity		
	lassified based on ava ponents:	llable information.	
Cellu			
Ц	toxicity in vitro	: Test Type: B Result: nega	acterial reverse mutation assay (AMES) tive
		Test Type: Ir Result: nega	n vitro mammalian cell gene mutation test tive
Geno	toxicity in vivo	cytogenetic a Species: Mo	use Route: Ingestion
Bis[[S-(R*,R*)]-(β-hydroxy	-α-methylphenethy	yl)methylammonium] sulphate:
Geno	toxicity in vitro	Result: nega	ormation given is based on data obtained from
		Result: nega	ormation given is based on data obtained from
Geno	toxicity in vivo	Species: Rat Application F Result: nega	Route: Oral
Disod	dium EDTA, dihydrat	e:	
LL.	toxicity in vitro	: Test Type: C Result: nega	hromosome aberration test in vitro tive ased on data from similar materials
Geno	toxicity in vivo	cytogenetic a Species: Mo	



Version 3.0	Revision Date: 10.10.2020	SDS Number: 2095092-0000	Date of last issue: 13.09.2019 Date of first issue: 23.10.2017
		Result: neg	ECD Test Guideline 474 jative Based on data from similar materials
Citric	acid:		
	toxicity in vitro	: Test Type: Result: neg	Bacterial reverse mutation assay (AMES) ative
		Test Type: Result: pos	in vitro micronucleus test itive
		Test Type: Result: neg	Bacterial reverse mutation assay (AMES) pative
Geno	toxicity in vivo	cytogenetic Species: R	Route: Ingestion
∭			
Desid	oratadine:		
Geno	toxicity in vitro	: Test Type: Result: neg	Bacterial reverse mutation assay (AMES) ative
			Chromosomal aberration n: Human lymphocytes jative
Geno	toxicity in vivo	Species: M Cell type: E	Bone marrow Route: Oral
	inogenicity		
	lassified based on ava	ailable information	
	ponents:		
11			
	lose:		
Spec	les cation Route	: Rat : Ingestion	
	sure time	: 72 weeks	
Resu	lt	: negative	
	C /D* D*\1 /0 h	, a mothy laken at	hyl)methylammonium] sulphate:
4.4 .			nyijmetnyiammoniumj suipnate:
Speci Applie	cation Route	: Rat : Oral	
Expo	sure time	: 2 Years	
Resu	lt	: negative	
Rema	arks	: Based on c	lata from similar materials



ersion .0	Revision Date: 10.10.2020	SDS Number: 2095092-00008	Date of last issue: 13.09.2019 Date of first issue: 23.10.2017
	cation Route sure time It	: Mouse : Oral : 2 Years : negative : Based on data	from similar materials
Diso	dium EDTA, dihydrate	:	
	cation Route sure time It	: Rat : Ingestion : 103 weeks : negative : Based on data	from similar materials
Desl	oratadine:		
	cation Route sure time	: Mouse : Oral : 2 Years : negative	
LÖAI Resu	cation Route EL It et Organs		weight from similar materials n or mode of action may not be relevant in hu-
-	oductive toxicity lassified based on avail	able information.	
	ponents:		
UL.	llose:		
Effec	ts on fertility	: Test Type: One Species: Rat Application Ro Result: negativ	
Effec ment	ts on foetal develop-	: Test Type: Fer Species: Rat Application Ro Result: negativ	
	S-(R*,R*)]-(β-hydroxy- ts on fertility	: Test Type: Fer Species: Rat Application Ro Fertility: LOAE	



Version 3.0	Revision Date: 10.10.2020	SDS Number: 2095092-00008	Date of last issue: 13.09.2019 Date of first issue: 23.10.2017
me	ent	Species: Rabl Application Ro Result: No ter	
		Application Ro Developmenta Result: No em tests., No tera	nbryo-foetal development oute: Oral al Toxicity: LOAEL: 27 mg/kg body weight nbryotoxic effects have been observed in animal togenic effects ternal toxicity observed.
П _{Dis}	sodium EDTA, dihydrate	:	
<u></u>	ects on fertility	: Test Type: Fo Species: Rat Application Ro Result: negati	ur-generation reproduction toxicity study oute: Ingestion ve sed on data from similar materials
Eff me	ects on foetal develop- nt	Species: Rat Application Ro Result: negati	nbryo-foetal development oute: Ingestion ve sed on data from similar materials
	ric acid:		
U	ects on foetal develop-	Species: Rat	ne-generation reproduction toxicity study oute: Ingestion ve
	sloratadine:		
UL.	ects on fertility	Symptoms: Result: positiv	male oute: Oral EL: 12 mg/kg body weight educed fertility re e mechanism or mode of action may not be rele-
			female EL: 3 mg/kg body weight o effects on fertility
Eff me	ects on foetal develop- nt	Species: Rabl Application Ro Developmenta	
		Test Type: En	nbryo-foetal development



Version 3.0	Revision Date: 10.10.2020	SDS Number: 2095092-00008	Date of last issue: 13.09.2019 Date of first issue: 23.10.2017
		Symptoms: P Result: Speci	al Toxicity: LOAEL: 9 mg/kg body weight reimplantation loss, Reduced body weight fic developmental abnormalities mechanism or mode of action may not be rele-
		Species: Rat Application Re	al Toxicity: LOAEL: 18 mg/kg body weight
Repro sessr	oductive toxicity - As- nent	fertility, based	ce of adverse effects on sexual function and l on animal experiments., Some evidence of ts on development, based on animal experi-
	- single exposure lassified based on avail	able information.	

STOT - repeated exposure

Causes damage to organs (Central nervous system) through prolonged or repeated exposure if swallowed.

Causes damage to organs (Cardio-vascular system) through prolonged or repeated exposure if inhaled.

Components:

	Bis[[S-(R*,R*)]-(β-hydroxy-α-methylphenethyl)methylammonium] sulphate:	
e,		

Exposure routes	1	Ingestion, Inhalation
Target Organs	:	Central nervous system, Cardio-vascular system
Assessment	:	Causes damage to organs through prolonged or repeated
		exposure.

Disodium EDTA, dihydrate:

T	Exposure routes	:	inhalation (dust/mist/fume)
	Target Organs	:	Respiratory Tract
	Target Organs Assessment		Shown to produce significant health effects in animals at con- centrations of >0.02 to 0.2 mg/l/6h/d.

Repeated dose toxicity

Components:

: Rat
: >= 9,000 mg/kg
: Ingestion
: 90 Days

$Bis[[S-(R^*,R^*)]-(\beta-hydroxy-\alpha-methylphenethyl)methylammonium] sulphate:$



Version 3.0	Revision Date: 10.10.2020	-	95092-00008	Date of last issue: 13.09.2019 Date of first issue: 23.10.2017
Rema	rks	:	No data available	
Specie NOAE Applic Expos Rema Specie LOAE Applic	EL ation Route sure time rks es L ation Route sure time rks		Rat 0.03 mg/l inhalation (dust/m 4 Weeks	m similar materials ist/fume) m similar materials
Specie NOAE LOAE Applic	es :L	:	Rat 4,000 mg/kg 8,000 mg/kg Ingestion 10 Days	
Specie LOAE Applic Expos	L ation Route sure time t Organs			r observed in testing r mode of action may not be relevant in hu-
Expos	L L ation Route sure time t Organs		Monkey 6 mg/kg 12 mg/kg Oral 3 Months Central nervous s Gastrointestinal d	
	EL ation Route sure time		Monkey 40 mg/kg Oral 17 Months No significant adv	erse effects were reported
	L ation Route sure time	:	Monkey 6 mg/kg Oral 3 Months Gastrointestinal d	isturbance, Fatigue



ersion 0	Revision Date: 10.10.2020	SDS Number: 2095092-00008	Date of last issue: 13.09.2019 Date of first issue: 23.10.2017
•	ation toxicity		
Not cl	assified based on ava	ailable information.	
Expe	rience with human e	exposure	
<u>Comp</u>	oonents:		
Bis[[\$	S-(R*,R*)]-(β-hydrox	y-α-methylphenethy	/l)methylammonium] sulphate:
Inhala	ation	: Remarks: Ma	ay cause irritation of respiratory tract.
Eye c	ontact	: Remarks: Ma	ay irritate eyes.
Inges	tion	: Symptoms: c tation	entral nervous system effects, tachycardia, Palp
Desic	oratadine:		
Inhala	ation	: Remarks: Ma	ay cause respiratory tract irritation.
Eye c	ontact	: Symptoms: E	ye irritation
Inges	tion		ry mouth, muscle pain, Fatigue, Drowsiness, painful menstration

Ecotoxicity

	Components:		
	Cellulose:		
Ī	Toxicity to fish	:	LC50 (Oryzias latipes (Japanese medaka)): > 100 mg/l Exposure time: 48 h Remarks: Based on data from similar materials
Î	Disodium EDTA, dihydrate:		
Ĩ	Toxicity to fish	:	LC50 (Lepomis macrochirus (Bluegill sunfish)): 159 mg/l Exposure time: 96 h Remarks: Based on data from similar materials
	Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 140 mg/l Exposure time: 48 h Remarks: Based on data from similar materials
	Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l Exposure time: 72 h Remarks: Based on data from similar materials
			NOEC (Desmodesmus subspicatus (green algae)): 100 mg/l Exposure time: 72 h Remarks: Based on data from similar materials
	Toxicity to fish (Chronic tox- icity)	:	NOEC (Danio rerio (zebra fish)): 25.7 mg/l Exposure time: 35 d Method: OECD Test Guideline 210 Remarks: Based on data from similar materials
	Toxicity to daphnia and other aquatic invertebrates (Chron-ic toxicity)	:	NOEC (Daphnia magna (Water flea)): 25 mg/l Exposure time: 21 d Remarks: Based on data from similar materials

SAFETY DATA SHEET



ersion 0	Revision Date: 10.10.2020		0S Number: 95092-00008	Date of last issue: 13.09.2019 Date of first issue: 23.10.2017
Toxicit	y to microorganisms	:	EC50: < 500 mg/l Exposure time: 0. Method: OECD Te Remarks: Based o	5 h
Citric	acid:			
UL.	y to fish	:	LC50 (Pimephales Exposure time: 96	s promelas (fathead minnow)): > 100 mg/l 5 h
	y to daphnia and other cinvertebrates	:	EC50 (Daphnia m Exposure time: 24	agna (Water flea)): 1,535 mg/l I h
	ratadine:			
U .	y to fish	:	LC50 (Lepomis m Exposure time: 96 Method: FDA 4.11	
	ry to daphnia and other c invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: FDA 4.08	
Toxicit plants	y to algae/aquatic	:	EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD Te	
			NOEC (Pseudokir mg/l Exposure time: 72 Method: OECD Te	
Toxicit icity)	y to fish (Chronic tox-	:	NOEC (Pimephale Exposure time: 32 Method: OECD Te	
	y to daphnia and other c invertebrates (Chron- city)	:	NOEC (Daphnia r Exposure time: 21 Method: OECD Te	
Toxicit	y to microorganisms	:	EC50 (Natural mid Exposure time: 3 Test Type: Respir Method: OECD Te	ation inhibition
			NOEC (Natural m Exposure time: 3 Test Type: Respir Method: OECD Te	ation inhibition



ersion 0	Revision Date: 10.10.2020		0S Number: 95092-00008	Date of last issue: 13.09.2019 Date of first issue: 23.10.2017
Persis	stence and degradat	oility		
Comp	oonents:			
Cellu	lose:			
Biode	gradability	:	Result: Readily	biodegradable.
Disod	lium EDTA, dihydrat	e:		
Biode	gradability	:	Biodegradation: Exposure time:	
Citric	acid:			
Biode	gradability	:	Result: Readily Biodegradation: Exposure time: Method: OECD	97 %
Deslo	oratadine:			
Biode	gradability	:	Biodegradation: Exposure time:	
			Result: Not read Biodegradation: Exposure time: Method: FDA 3.	28 d
	ity in water	:	Hydrolysis: < 10 Method: FDA 3.	
Bioac	cumulative potentia	I		
Comp	oonents:			
Bis[[S	S-(R*,R*)]-(β-hydroxy	-α-me	ethylphenethyl)n	nethylammonium] sulphate:
Partiti	on coefficient: n- ol/water	:	•••••••	
	lium EDTA, dihydrate	e:		
Bioac	cumulation	:	Bioconcentratio	nis macrochirus (Bluegill sunfish) n factor (BCF): 1.8 d on data from similar materials
	on coefficient: n- ol/water	:	log Pow: -4.3	
Citric				
	on coefficient: n- ol/water	:	log Pow: -1.72	
Deslo	oratadine:			



Version 3.0	Revision Date: 10.10.2020		DS Number: 195092-00008	Date of last issue: 13.09.2019 Date of first issue: 23.10.2017
	on coefficient: n- ol/water	:	log Pow: 1.24 Method: OECD T	est Guideline 107
Mobil	ity in soil			
Comp	oonents:			
Deslo	oratadine:			
Distrik	oution among environ- al compartments	:		est Guideline 106
Other	adverse effects			
No da	ta available			
Section 13	3: Disposal considerat	ion	S	
Dispo	osal methods			
-	from residues	:	•	ordance 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.

National Regulations

NZS 5433 Not regulated as a dangerous good

Section 15: Regulatory information

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

HSNO Approval Number

HSR100425 Pharmaceutical Active Ingredients Group Standard 2017

HSW Controls

Certified handler certificate not required. Tracking hazardous substance not required.



Version 3.0	Revision Date: 10.10.2020	SDS Number: 2095092-00008	Date of last issue: 13.09.2019 Date of first issue: 23.10.2017
Refer forma		ty at Work (Hazardo	ous Substances) Regulations 2017, for further in-
The c AICS	components of this pro	oduct are reported : not determine	in the following inventories: d
DSL		: not determine	d
IECS	C	: not determine	d

Section 16: Other information

Further information

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Date format

: dd.mm.yyyy

Full text of other abbreviations						
ACGIH NZ OEL		USA. ACGIH Threshold Limit Values (TLV) New Zealand. Workplace Exposure Standards for Atmospher-				
NZ OEL	•	ic Contaminants				
ACGIH / TWA NZ OEL / WES-TWA	:	8-hour, time-weighted average Workplace Exposure Standard - Time Weighted average				

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



Version	Revision Date:	SDS Number:	Date of last issue: 13.09.2019
3.0	10.10.2020	2095092-00008	Date of first issue: 23.10.2017

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

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.

NZ / EN