

Version 3.3	Revision Date: 28.09.2024		S Number: 66455-00009	Date of last issue: 30.09.2023 Date of first issue: 14.11.2019
SECTION	1. IDENTIFICATION			
Produ	Product name		Cloprostenol (wi	th Propylene Glycol) Formulation
Manu	afacturer or supplier's	s deta	ils	
Com	bany	:	MSD	
Addre	ess	:		, 6th floor, Ciudad Autonoma rgentina C1013AAP
Telep	bhone	:	908-740-4000	
Emer	Emergency telephone		1-908-423-6000	
E-ma	E-mail address		EHSDATASTEWARD@msd.com	
Reco	mmended use of the	chem	ical and restriction	ons on use
	mmended use ictions on use	:	Veterinary produ Not applicable	ict

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Other hazards which do not result in classification

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
4-Chloro-3-methylphenol	59-50-7	>= 0,1 -< 0,25
Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/-)-7-[2-[4- (3-chlorophenoxy)-3-hydroxybut-1-enyl]-3,5- dihydroxycyclopentyl]hept-5-enoate	55028-72-3	< 0,1

SECTION 4. FIRST AID MEASURES

If inhaled	:	If inhaled, remove to fresh air.
		Get medical attention if symptoms occur.
In case of skin contact	:	Wash with water and soap as a precaution.



Version 3.3	Revision Date: 28.09.2024	SDS Number: 5266455-00009	Date of last issue: 30.09.2023 Date of first issue: 14.11.2019		
In cas	se of eye contact	: Flush eyes w	attention if symptoms occur. ith water as a precaution. attention if irritation develops and persists.		
lf swa	allowed	: If swallowed, Get medical a	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.		
	important symptoms effects, both acute and red	: None known.			
	ction of first-aiders s to physician		ecautions are necessary for first aid responders. 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	:	Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides
Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).
Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g., by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.



Version	Revision Date: 28.09.2024	SDS Number:	Date of last issue: 30.09.2023
3.3		5266455-00009	Date of first issue: 14.11.2019
	ds and materials for nment and cleaning up	For large spills, p containment to k can be pumped, container. Clean up remain absorbent. Local or national disposal of this n employed in the determine which Sections 13 and	rt absorbent material. provide diking or other appropriate eep material from spreading. If diked material store recovered material in appropriate ing materials from spill with suitable regulations may apply to releases and naterial, as well as those materials and items cleanup of releases. You will need to regulations are applicable. 15 of this SDS provide information regarding ational requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation Advice on safe handling	:	Use only with adequate ventilation. Avoid prolonged or repeated contact with skin. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment
		Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	:	Keep in properly labeled containers. Store in accordance with the particular national regulations.
Materials to avoid	:	Do not store with the following product types: Strong oxidizing agents Gases

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
4-Chloro-3-methylphenol	59-50-7	TWA	200 µg/m3 (OEB 2)	Internal
		Wipe limit	100 µg/100 cm2	Internal
Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/-)- 7-[2-[4-(3-chlorophenoxy)-3- hydroxybut-1-enyl]-3,5- dihydroxycyclopentyl]hept-5- enoate	55028-72-3	TWA	0.01 ug/m3 (OEB 5)	Internal
	Further informa	ation: RSEN, Sk	in	
		Wipe limit	0.1 ug/100 cm2	Internal



Version 3.3	Revision Date: 28.09.2024	SDS Numb 5266455-0	
Engineering measures		to cont preven All eng design protect No ope Totally are req Operat technol	osed processing systems or containment technologies rol at source (e.g., glove boxes/isolators) and to t leakage of compounds into the workplace. ineering controls should be implemented by facility and operated in accordance with GMP principles to products, workers, and the environment. In handling permitted. enclosed processes and materials transport systems uired. ions require the use of appropriate containment logy designed to prevent leakage of compounds into rkplace.
Perso	onal protective equip	nent	
Fil	iratory protection Iter type protection	exposu recomr	uate local exhaust ventilation is not available or ire assessment demonstrates exposures outside the nended guidelines, use respiratory protection. lates type
Ma	aterial	: Chemio	cal-resistant gloves
	emarks protection	: Wear s If the w mists o Wear a	er double gloving. afety glasses with side shields or goggles. ork environment or activity involves dusty conditions, r aerosols, wear the appropriate goggles. faceshield or other full face protection if there is a al for direct contact to the face with dusts, mists, or ls.
Skin a	and body protection	: Work u Additio task be disposa Use ap	niform or laboratory coat. nal body garments should be used based upon the ing performed (e.g., sleevelets, apron, gauntlets, able suits) to avoid exposed skin surfaces. propriate degowning techniques to remove potentially inated clothing.
Hygie	ene measures	: If exposing eye flust working When the Wash of The eff engine approping industri	sure to chemical is likely during typical use, provide shing systems and safety showers close to the g place. using do not eat, drink or smoke. contaminated clothing before re-use. ective operation of a facility should include review of ering controls, proper personal protective equipment, riate degowning and decontamination procedures, ial hygiene monitoring, medical surveillance and the administrative controls.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Aqueous solution

- Color : colorless
- Odor : characteristic



Vers 3.3	sion	Revision Date: 28.09.2024		6455-00009	Date of last issue: 30.09.2023 Date of first issue: 14.11.2019
	Odor TI	nreshold	:	No data available	
	pН		:	No data available	
	Melting	point/freezing point	:	-6 °C	
	Initial be range	oiling point and boiling	:	99 °C	
	Flash p	oint	:	No data available	
	Evapor	ation rate	:	No data available	
	Flamma	ability (solid, gas)	:	Not applicable	
	Flamma	ability (liquids)	:	No data available	
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
	Vapor p	pressure	:	No data available	
	Relative	e vapor density	:	No data available	
	Relative	e density	:	1,02 - 1,08	
	Density		:	No data available	
	Solubili Wat	ty(ies) er solubility	:	soluble	
	Partition octanol	n coefficient: n-	:	No data available	
		ition temperature	:	No data available	
	Decom	position temperature	:	No data available	
	Viscosi Visc	ty osity, kinematic	:	1,56 - 1,62 mm²/s	3
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance or	mixture is not classified as oxidizing.
	Molecu	lar weight	:	No data available	
	Particle Particle	characteristics size	:	Not applicable	



Version	Revision Date:	SDS Number:	Date of last issue: 30.09.2023
3.3	28.09.2024	5266455-00009	Date of first issue: 14.11.2019

SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reac- tions	:	Not classified as a reactivity hazard. Stable under normal conditions. Can react with strong oxidizing agents.
Conditions to avoid Incompatible materials Hazardous decomposition products		None known. Oxidizing agents No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of	:	Inhalation
exposure		Skin contact
		Ingestion
		Eye contact

Acute toxicity

Not classified based on available information.

Components:

4-Chloro-3-methylphenol: Acute oral toxicity	:	LD50 (Mouse): 600 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 2,871 mg/l Exposure time: 4 h Test atmosphere: dust/mist
Acute dermal toxicity	:	LD50 (Rat): > 5.000 mg/kg

Sodium $[1\alpha(Z), 2\beta(1E, 3R^*), 3\alpha, 5\alpha]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl]-3, 5-dihydroxycyclopentyl]hept-5-enoate:$

Acute oral toxicity :	LD50 (Rat): > 25 mg/kg Remarks: No mortality observed at this dose.
Acute toxicity (other routes of : administration)	LD50 (Rat): > 50 mg/kg Application Route: Subcutaneous
	LD50 (Rat): > 50 mg/kg Application Route: Intramuscular
	LD50 (Rat): 5 mg/kg Application Route: Intravenous Remarks: No mortality observed at this dose.
	LD50 (Mouse): 350 mg/kg Application Route: Intramuscular
	LD50 (Mouse): 54,7 mg/kg Application Route: Intravenous



rsion 3	Revision Date: 28.09.2024	SDS Number: 5266455-00009	Date of last issue: 30.09.2023 Date of first issue: 14.11.2019
		Application Ro Target Organs	r): 0,0025 - 0,025 mg/kg ute: Intramuscular : Lungs arrhea, Vomiting, Rapid respiration
			r): 0,0013 mg/kg ute: Intramuscular : ovaries
Skin	corrosion/irritation		
Not c	lassified based on ava	ilable information.	
Com	ponents:		
4-Chl	oro-3-methylphenol:		
Speci		: Rabbit	
Metho		: OECD Test Gu	
Resu	lt	: Corrosive after	1 to 4 hours of exposure
dihyc Rema	droxycyclopentyl]her arks	: Not classified of	due to lack of data. ed through skin.
	us eye damage/eye i lassified based on ava		
_	ponents:		
4-Chl	oro-3-methylphenol:		
Speci		: Rabbit	
Resu		: Irreversible eff	ects on the eye
Metho	bd	: OECD Test Gu	uideline 405
	um [1α(Ζ),2β(1E,3R*) Iroxycyclopentyl]her		3-chlorophenoxy)-3-hydroxybut-1-enyl]-3,5
Rema	arks	: Not classified of	due to lack of data.
Resp	iratory or skin sensi	tization	
Skin	sensitization		
Not c	lassified based on ava	ilable information.	
Resp	iratory sensitization		
-	lassified based on ava	ilable information.	
<u>Com</u>			
	ponents:		
4-Chl			
4-Chl Test	oro-3-methylphenol:	: Maximization	Fest
Test	oro-3-methylphenol: Type es of exposure		Fest

: Guinea pig

Species



Assessment : Probability or evidence of low to moderate skin sensitizer rate in humans Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/-)7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-eny]] dihydroxycyclopenty]]hept-5-enoate: Result : Sensitizer Gern cell mutagenicity Not classified based on available information. Components: 4-Chloro-3-methylphenol: Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/-)7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-eny]] dihydroxycyclopenty][hept-5-enoate: Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/-)7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-eny]] dihydroxycyclopenty][hept-5-enoate: Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Genotoxicity in vitro : Test Type: Chromosomal aberration Test system: mouse lymphoma cells Result: negative Genotoxicity in vivo : Test Type: Micronucleus test Species: Mouse Call type: Bone marrow Application Route: Intraperitoneal Result: negative Carcinogenicity Not classified based on available information. Components: Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/-)7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-eny]] dihydroxycyclopenty]]hept-5-enoate:	ersion 3	Revision Date: 28.09.2024		DS Number: 266455-00009	Date of last issue: 30.09.2023 Date of first issue: 14.11.2019	
dihydroxycyclopentyl]hept-5-enoate: Result : Sensitizer Germ cell mutagenicity Not classified based on available information. Components: 4-Chloro-3-methylphenol: Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl] dihydroxycyclopentyl]hept-5-enoate: Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test Test system: mouse lymphoma cells Result: negative Genotoxicity in vivo : Test Type: Chromosomal aberration Test system: Human lymphocytes Result: equivocal Genotoxicity in vivo : Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Intraperitoneal Result: negative Carcinogenicity Not classified based on available information. Components: Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl] dihydroxycyclopentyl]hept-5-enoate:	Asses	ssment	:	•	vidence of low to moderate skin sensitization	
Result : Sensitizer Gern cell mutagenicity Not classified based on available information. Components: 4-Chloro-3-methylphenol: Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl] dihydroxycyclopentyl]hept-5-enoate: Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Genotoxicity in vitro : Test Type: Chromosomal aberration Test system: mouse lymphoma cells Result: negative Genotoxicity in vivo : Test Type: Chromosomal aberration Test system: Human lymphocytes Result: negative Genotoxicity in vivo : Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Intraperitoneal Result: negative Carcinogenicity Not classified based on available information. Components: Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl] dihydroxycyclopentyl]hept-5-enoate:					-chlorophenoxy)-3-hydroxybut-1-enyl]-3,5-	
Not classified based on available information. Components: 4-Chloro-3-methylphenol: Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl] dihydroxycyclopentyl]hept-5-enoate: Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Test Type: In vitro mammalian cell gene mutation test Test system: mouse lymphoma cells Result: negative Genotoxicity in vivo : Test Type: Chromosomal aberration Test system: Human lymphocytes Result: equivocal Genotoxicity in vivo : Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Intraperitoneal Result: negative Carcinogenicity Not classified based on available information. Components: Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl] dihydroxycyclopentyl]hept-5-enoate:	Resul			Sensitizer		
4-Chloro-3-methylphenol: Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl] dihydroxycyclopentyl]hept-5-enoate: Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Test Type: In vitro mammalian cell gene mutation test Test system: mouse lymphoma cells Result: negative Genotoxicity in vivo : Test Type: Chromosomal aberration Test system: Human lymphocytes Result: equivocal Genotoxicity in vivo : Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Intraperitoneal Result: negative Carcinogenicity Not classified based on available information. Components: Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl] dihydroxycyclopentyl]hept-5-enoate:		• •	lable	information.		
Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl] dihydroxycyclopentyl]hept-5-enoate: Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Test Type: In vitro mammalian cell gene mutation test Test Type: In vitro mammalian cells Result: negative Test Type: Chromosomal aberration Test system: Human lymphocytes Result: equivocal Genotoxicity in vivo : Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Intraperitoneal Result: negative Carcinogenicity Not classified based on available information. Components: Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl] dihydroxycyclopentyl]hept-5-enoate:	<u>Comp</u>	oonents:				
Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl] dihydroxycyclopentyl]hept-5-enoate: Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Test Type: In vitro mammalian cell gene mutation test Test system: mouse lymphoma cells Result: negative Test Type: Chromosomal aberration Test system: Human lymphocytes Result: equivocal Genotoxicity in vivo : Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Intraperitoneal Result: negative Carcinogenicity Not classified based on available information. Components: Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl] dihydroxycyclopentyl]hept-5-enoate:		•••	:			
Test Type: In vitro mammalian cell gene mutation test Test system: mouse lymphoma cells Result: negative Test Type: Chromosomal aberration Test system: Human lymphocytes Result: equivocal Genotoxicity in vivo : Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Intraperitoneal Result: negative Carcinogenicity Not classified based on available information. Components: Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl] dihydroxycyclopentyl]hept-5-enoate:	dihyd	Iroxycyclopentyl]hep		noate: Test Type: Bac	terial reverse mutation assay (AMES)	
Test Type: Chromosomal aberration Test Type: Chromosomal aberration Test system: Human lymphocytes Result: equivocal Genotoxicity in vivo : Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Intraperitoneal Result: negative Carcinogenicity Not classified based on available information. Components: Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl] dihydroxycyclopentyl]hept-5-enoate:				Test Type: In vi Test system: m	tro mammalian cell gene mutation test ouse lymphoma cells	
Species: Mouse Cell type: Bone marrow Application Route: Intraperitoneal Result: negative Carcinogenicity Not classified based on available information. Components: Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl] dihydroxycyclopentyl]hept-5-enoate:				Test Type: Chro Test system: H	omosomal aberration uman lymphocytes	
Not classified based on available information. Components: Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl] dihydroxycyclopentyl]hept-5-enoate:	Geno	toxicity in vivo	:	Species: Mouse Cell type: Bone marrow Application Route: Intraperitoneal		
Sodium [1α(Ζ),2β(1E,3R*),3α,5α]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl] dihydroxycyclopentyl]hept-5-enoate:			able	information.		
dihydroxycyclopentyl]hept-5-enoate:	<u>Com</u>	oonents:				
					-chlorophenoxy)-3-hydroxybut-1-enyl]-3,5-	
Remarks : Not classified due to lack of data.	-		:		ue to lack of data.	

Reproductive toxicity

Not classified based on available information.

Components:

4-Chloro-3-methylphenol:



sion	Revision Date: 28.09.2024		9S Number: 66455-00009	Date of last issue: 30.09.2023 Date of first issue: 14.11.2019
Effects	s on fertility	:	Test Type: One Species: Rat Application Rou Result: negative	
Effects	s on fetal development	:	Test Type: Rep test Species: Rat Application Rou Result: negative	
	ım [1α(Z),2β(1E,3R*),3 roxycyclopentyl]hept·			-chlorophenoxy)-3-hydroxybut-1-enyl]-3,
-	s on fertility	:	Test Type: Thre Species: Rat Application Rou General Toxicit Fertility: NOAEI	ee-generation study tte: Oral y F1: NOAEL: 0,015 mg/kg body weight L: > 0,04 mg/kg body weight testing did not show any effects on fertility.
				ite: Intramuscular γ Parent: LOAEL: 0,16 μg/kg ion
Effects	s on fetal development	:		te: Subcutaneous NOAEL: 0,250 μg/kg
			Test Type: Dev Species: Rat Application Rou Teratogenicity: Result: No terat	ite: Oral NOAEL: 100 μg/kg
Repro sessm	ductive toxicity - As- nent	:	May damage fe	rtility.
	-single exposure assified based on availa	able	information.	
<u>Comp</u>	oonents:			
4-Chle	oro-3-methylphenol:			
Asses	sment	:	May cause resp	iratory irritation.
	ım [1α(Ζ),2β(1E,3R*),3 roxycyclopentyl]hept·			-chlorophenoxy)-3-hydroxybut-1-enyl]-3,
Targe	t Organs sment	:	Lungs Causes damag	e to organs.



Version	Revision Date:	SDS Number:	Date of last issue: 30.09.2023
3.3	28.09.2024	5266455-00009	Date of first issue: 14.11.2019

STOT-repeated exposure

Not classified based on available information.

Components:

Sodium $[1\alpha(Z),2\beta(1E,3R^*),3\alpha,5\alpha]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl]-3,5-dihydroxycyclopentyl]hept-5-enoate:$

Target Organs	:	Ovary
Assessment	:	Causes damage to organs through prolonged or repeated
		exposure.

Repeated dose toxicity

Components:

4-Chloro-3-methylphenol:

Species	:	Rat
NOAEL	:	200 mg/kg
LOAEL	:	400 mg/kg
Application Route	:	Ingestion
Exposure time	:	28 Days

Sodium $[1\alpha(Z),2\beta(1E,3R^*),3\alpha,5\alpha]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl]-3,5-dihydroxycyclopentyl]hept-5-enoate:$

Species NOAEL LOAEL Application Route Exposure time Target Organs	:	Rat 0,05 mg/kg 0,15 mg/kg Oral 3 Months Ovary
Species LOAEL Application Route Exposure time Target Organs	:	Rat 0,0125 mg/kg Subcutaneous 30 Days Ovary
Species NOAEL LOAEL Application Route Exposure time Target Organs	:	Monkey 0,05 mg/kg 0,15 mg/kg Oral 3 Months Heart, Testis

Aspiration toxicity

Not classified based on available information.



Version 3.3	Revision Date: 28.09.2024	SDS Number: 5266455-00009	Date of last issue: 30.09.2023 Date of first issue: 14.11.2019
Sodi dihye	<u>ponents:</u> um [1α(Z),2β(1E,3R*),3 droxycyclopentyl]hept applicable		chlorophenoxy)-3-hydroxybut-1-enyl]-3,5-
Expe	erience with human exp	oosure	
	um [1α(Ζ),2β(1E,3R*),3 droxycyclopentyl]hept		chlorophenoxy)-3-hydroxybut-1-enyl]-3,5-
Gene	eral Information	Symptoms: Emb irregularities, mis Target Organs: I	
Inhal	ation	: Target Organs: I Symptoms: bron Remarks: May c inhalation of aero Target Organs: I	ungs chospasm, Asthma ause sensitization of susceptible persons by
Skin	contact	: Target Organs: I Symptoms: bron Remarks: Can b	Lungs chospasm e absorbed through skin. Jterus (including cervix)

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

4-Chloro-3-methylphenol:

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 917 μg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 1,5 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	ErC50 (Chlorella pyrenoidosa): 15 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
		EC10 (Chlorella pyrenoidosa): 2,3 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
M-Factor (Acute aquatic tox- icity)	:	1



Ver 3.3	sion	Revision Date: 28.09.2024		S Number: 66455-00009	Date of last issue: 30.09.2023 Date of first issue: 14.11.2019
	Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)		:	NOEC (Daphnia magna (Water flea)): 0,32 mg/l Exposure time: 21 d Method: OECD Test Guideline 211	
	Toxicity	to microorganisms	:	EC50: 22,86 mg/l Exposure time: 60	h
		n [1α(Ζ),2β(1E,3R*),3c oxycyclopentyl]hept-{			nlorophenoxy)-3-hydroxybut-1-enyl]-3,5-
	Ecotox	icology Assessment			
		equatic toxicity	:	Toxic effects cann	ot be excluded
	Chronic	aquatic toxicity	:	Toxic effects cann	ot be excluded
	Persist	ence and degradabili	ty		
	Compo	onents:			
	4-Chlo	ro-3-methylphenol:			
	Biodeg	radability	:	Result: Readily bio Biodegradation: 7 Exposure time: 15 Method: OECD Te	78 % 5 d
	Bioacc	umulative potential			
	<u>Compo</u>	onents:			
	4-Chlo	ro-3-methylphenol:			
	Bioaccu	umulation	:	Species: Cyprinus Bioconcentration f	carpio (Carp) actor (BCF): 5,5 - 13
	Partition octanol	n coefficient: n- /water	:	log Pow: 0,477	
		y in soil a available			
		adverse effects a available			

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods	
Waste from residues	: Do not dispose of waste into sewer.
	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.



	Version 3.3	Revision Date: 28.09.2024	SDS Number: 5266455-00009	Date of last issue: 30.09.2023 Date of first issue: 14.11.2019
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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.

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION

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

Argentina. Carcinogenic Substances and Agents Registry.	:	Not applicable
Control of precursors and essential chemicals for the preparation of drugs.	:	Not applicable

The ingredients of this product are reported in the following inventories:

AICS	:	not determined
DSL	:	not determined
IECSC	:	not determined

SECTION 16. OTHER INFORMATION

Revision Date	: 28.09.2024
Date format	: dd.mm.yyyy

Further information

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

Full text of other abbreviations

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 -



Version	Revision Date:	SDS Number:	Date of last issue: 30.09.2023
3.3	28.09.2024	5266455-00009	Date of first issue: 14.11.2019

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; 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: 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.

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