

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
6.1	28.09.2024	5306572-00013	Date of first issue: 14.11.2019

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier Trade name	:	Cloprostenol (with Propylene Glycol) Formulation
1.2 Relevant identified uses of	f the s	ubstance or mixture and uses advised against
Use of the Sub- stance/Mixture	:	Veterinary product
Recommended restrictions on use	:	Not applicable
1.3 Details of the supplier of the	ne saf	ety data sheet
Company	:	MSD Kilsheelan Clonmel Tipperary, IE
Telephone	:	353-51-601000
E-mail address of person	:	EHSDATASTEWARD@msd.com

1.4 Emergency telephone number

responsible for the SDS

1-908-423-6000

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

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

Additional Labelling

EUH210 Safety data sheet available on request.

EUH208 Contains 4-Chloro-3-methylphenol. May produce an allergic reaction.



Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
6.1	28.09.2024	5306572-00013	Date of first issue: 14.11.2019

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No.	Classification	Concentration (% w/w)
4-Chloro-3-methylphenol	Registration number 59-50-7 200-431-6 604-014-00-3	Acute Tox. 4; H302 Skin Corr. 1C; H314 Eye Dam. 1; H318 Skin Sens. 1B; H317 STOT SE 3; H335 Aquatic Acute 1; H400 Aquatic Chronic 3; H412 M-Factor (Acute aquatic toxicity): 1 Acute toxicity esti- mate Acute oral toxicity: 600 mg/kg	>= 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	55028-72-3 259-439-3	Resp. Sens. 1; H334 Repr. 1B; H360F STOT SE 1; H370 (Lungs) STOT RE 1; H372 (Ovary)	< 0.1

For explanation of abbreviations see section 16.



Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
6.1	28.09.2024	5306572-00013	Date of first issue: 14.11.2019

SECTION 4: First aid measures

4.1 Description of first aid measures			
Protection of first-aiders	:	No special precautions are necessary for first aid responders.	
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. Get medical attention if symptoms occur.	
In case of eye contact	:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.	
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.	

4.2 Most important symptoms and effects, both acute and delayed

Risks : I	May produce an allergic reaction.
-----------	-----------------------------------

4.3 Indication of any immediate medical attention and special treatment needed

Treatment

: Treat symptomatically and supportively.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire- fighting	:	Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides

5.3 Advice for firefighters

Special protective equipment	:	Wear self-contained breathing apparatus for firefighting if nec-
for firefighters		essary. Use personal protective equipment.



Version	Revision Date: 28.09.2024	SDS Number:	Date of last issue: 06.04.2024
6.1		5306572-00013	Date of first issue: 14.11.2019
Specif ods	ic extinguishing meth-	cumstances and Use water spray	g measures that are appropriate to local cir- the surrounding environment. to cool unopened containers. aged containers from fire area if it is safe to do

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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

6.3 Methods and material for containment and cleaning up

Methods for cleaning up	:	Soak up with inert absorbent material. For large spills, provide dyking or other appropriate contain- ment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absor- bent. Local or national regulations may apply to releases and dis- posal of this material, as well as those materials and items employed in the cleanup of releases. You will need to deter- mine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding
		certain local or national requirements.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures	:	See Engineering measures under EXPOSURE
		CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	Use only with adequate ventilation.
Advice on safe handling	:	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 as-



Versio 6.1	n Revision Date: 28.09.2024	SDS Number: 5306572-00013	Date of last issue: 06.04.2024 Date of first issue: 14.11.2019		
Hygiene measures		 sessment Take care to prevent spills, waste and minimize release to the environment. If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls. 			
7.2 Co	onditions for safe storage,	, including any ir	ncompatibilities		
	equirements for storage reas and containers		perly labelled containers. Store in accordance with ar national regulations.		
A	dvice on common storage		e with the following product types: izing agents		
7.3 Sp	ecific end use(s)				
-		. Na data ava	, Johla		

Specific use(s) : No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Propylene glycol	· · · ·		10 mg/m3	IE OEL
		OELV - 8 hrs (TWA) (total (va- pour and parti- cles))	150 ppm 470 mg/m3	IE OEL
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- dihydroxycyclopen- tyl]hept-5-enoate	55028-72-3	TWA	0.01 ug/m3 (OEB 5)	Internal
	Further information: RSEN, Skin			



Version 6.1	Revision Date: 28.09.2024	SDS Number: 5306572-00013	Date of last issue: 06.04.2 Date of first issue: 14.11.2		
	1	Wipe limit	0.1 ug/100 cm2	Internal	

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

Substance name	End Use	Exposure routes	Potential health ef-	Value
		·	fects	
Propylene glycol	Propylene glycol Workers		Long-term local ef- fects	10 mg/m3
	Workers	Inhalation	Long-term systemic effects	168 mg/m3
	Consumers	Inhalation	Long-term local ef- fects	10 mg/m3
	Consumers	Inhalation	Long-term systemic effects	50 mg/m3
4-Chloro-3- methylphenol	Workers	Inhalation	Long-term systemic effects	6.289 mg/m3
	Workers	Skin contact	Long-term systemic effects	3.567 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	1.551 mg/m3
	Consumers	Skin contact	Long-term systemic effects	1.783 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	0.892 mg/kg bw/day

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

Substance name	Environmental Compartment	Value
Propylene glycol	Fresh water	260 mg/l
	Freshwater - intermittent	183 mg/l
	Marine water	26 mg/l
	Sewage treatment plant	20000 mg/l
	Fresh water sediment	572 mg/kg dry weight (d.w.)
	Marine sediment	57.2 mg/kg dry weight (d.w.)
	Soil	50 mg/kg dry weight (d.w.)
4-Chloro-3-methylphenol	Fresh water	0.015 mg/l
	Intermittent use/release	0.015 mg/l
	Marine water	0.002 mg/l
	Sewage treatment plant	2.286 mg/l
	Fresh water sediment	13.981 mg/kg dry weight (d.w.)
	Marine sediment	13.981 mg/kg dry weight (d.w.)
	Soil	6.399 mg/kg dry weight (d.w.)



Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
6.1	28.09.2024	5306572-00013	Date of first issue: 14.11.2019

8.2 Exposure controls

Engineering measures

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

All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment.

No open handling permitted.

Totally enclosed processes and materials transport systems are required.

Operations require the use of appropriate containment technology designed to prevent leakage of compounds into the workplace.

Personal protective equipment

Eye/face protection Hand protection	:	Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.
Material	:	Chemical-resistant gloves
Remarks	:	Consider double gloving.
Skin and body protection	:	Work uniform or laboratory coat.
		Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, dis-
		posable suits) to avoid exposed skin surfaces.
		Use appropriate degowning techniques to remove potentially
Despiratory protection		contaminated clothing.
Respiratory protection	·	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec-
		ommended guidelines, use respiratory protection.
		Equipment should conform to I.S. EN 143
Filter type	:	Particulates type (P)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	Aqueous solution
Colour	:	colourless
Odour	:	characteristic
Odour Threshold	:	No data available
Melting point/freezing point	:	-6 °C
Initial boiling point and boiling range	:	99 °C



6.1 28.09.2024 5306572-00013 Date of first issue: 14.11.2019	
Flammability (solid, gas) : Not applicable	
Flammability (liquids) : No data available	
Upper explosion limit / Upper : No data available flammability limit	
Lower explosion limit / Lower : No data available flammability limit	
Flash point : No data available	
Auto-ignition temperature : No data available	
Decomposition temperature : No data available	
pH : No data available	
Viscosity Viscosity, kinematic : 1.56 - 1.62 mm2/s	
Solubility(ies) Water solubility : soluble	
Partition coefficient: n- : No data available octanol/water	
Vapour pressure : No data available	
Relative density : 1.02 - 1.08	
Density : No data available	
Relative vapour density : No data available	
Particle characteristics Particle size : Not applicable	
9.2 Other information	
Explosives : Not explosive	
Oxidizing properties : The substance or mixture is not classified as oxidiz	zing.
Evaporation rate : No data available	
Molecular weight : No data available	



Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
6.1	28.09.2024	5306572-00013	Date of first issue: 14.11.2019

SECTION 10: Stability and reactivity

SECTION 10. Stability and 1	eactivity			
10.1 Reactivity Not classified as a reactivity	hazard.			
10.2 Chemical stability Stable under normal conditions.				
10.3 Possibility of hazardous r	eactions			
Hazardous reactions	: Can react with strong oxidizing agents.			
10.4 Conditions to avoid Conditions to avoid	: None known.			
10.5 Incompatible materials				
Materials to avoid	: Oxidizing agents			
10.6 Hazardous decomposition products No hazardous decomposition products are known.				
SECTION 11: Toxicological information				
11.1 Information on hazard cla Information on likely routes	sses as defined in Regulation (EC) No 1272/2008 of : Inhalation Skin contact			

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 : LD50 (Rat): > 50 mg/kg



	Version 6.1	Revision Date: 28.09.2024		OS Number: 06572-00013	Date of last issue: 06.04.2024 Date of first issue: 14.11.2019
	adminis	administration)		Application Route	: Subcutaneous
				LD50 (Rat): > 50 Application Route	
				LD50 (Rat): 5 mg/ Application Route Remarks: No mor	
				LD50 (Mouse): 35 Application Route	
		LD50 (Mouse): 54 Application Route			
		Application Route Target Organs: Lu			
				TDLo (Monkey): 0 Application Route Target Organs: 0	: Intramuscular
		orrosion/irritation ssified based on availa	able	information.	
	Compo	onents:			
	4-Chlo Specie Methoo Result		:	Rabbit OECD Test Guide Corrosive after 1	eline 404 to 4 hours of exposure
		n [1α(Z),2β(1E,3R*),3 oxycyclopentyl]hept-			hlorophenoxy)-3-hydroxybut-1-enyl]-3,5-
	Remar		: Э-е	Not classified due	to lack of data.

Remarks	:	Not classified due to lack of data
		Can be absorbed through skin.

Serious eye damage/eye irritation

Not classified based on available information.

Components:

4-Chloro-3-methylphenol:

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	Irreversible effects on the eye



Version 6.1	Revision Date: 28.09.2024	SDS Number:Date of last issue: 06.04.20245306572-00013Date of first issue: 14.11.2019
	droxycyclopentyl]he	,3α,5α]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl]-3,5 ot-5-enoate: : Not classified due to lack of data.
Resp	iratory or skin sensi	isation
-	sensitisation lassified based on ava	ilable information.
•	iratory sensitisation lassified based on ava	ilable information.
<u>Com</u>	ponents:	
4-Ch	loro-3-methylphenol	
Test Expo Spec	sure routes	: Maximisation Test : Skin contact : Guinea pig
Asse	ssment	: Probability or evidence of low to moderate skin sensitisation rate in humans
	droxycyclopentyl]he	,3α,5α]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl]-3,5 ot-5-enoate: : Sensitiser
	n cell mutagenicity lassified based on ava	ilable information.
<u>Com</u>	ponents:	
	loro-3-methylphenol: otoxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Result: negative
	um [1α(Ζ),2β(1E,3R*) droxycyclopentyl]hej	,3α,5α]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl]-3,5 ot-5-enoate:
•	otoxicity 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
Geno	otoxicity in vivo	: Test Type: Micronucleus test Species: Mouse



/ersion 6.1	Revision Date: 28.09.2024		0S Number: 06572-00013	Date of last issue: 06.04.2024 Date of first issue: 14.11.2019
			Cell type: Bone m Application Route Result: negative	
Carci	nogenicity			
Not c	lassified based on ava	ilable	information.	
<u>Com</u>	oonents:			
	um [1α(Ζ),2β(1E,3R*), Iroxycyclopentyl]hep			hlorophenoxy)-3-hydroxybut-1-enyl]-3,5-
Rema	arks	:	Not classified due	e to lack of data.
-	oductive toxicity lassified based on ava	ilable	information.	
Com	oonents:			
4-Chl	oro-3-methylphenol:			
Effect	ts on fertility	:	Test Type: One-g Species: Rat Application Route Result: negative	eneration reproduction toxicity study
Effect ment	ts on foetal develop-	:	Test Type: Repro test Species: Rat Application Route Result: negative	duction/Developmental toxicity screening
				hlorophenoxy)-3-hydroxybut-1-enyl]-3,5-
-	Iroxycyclopentyl]hep ts on fertility)t- 5-e r :	Test Type: Three Species: Rat Application Route General Toxicity Fertility: NOAEL:	
			Species: Cattle Application Route General Toxicity Result: positive Remarks: Abortio	Parent: LOAEL: 0.16 μg/kg
Effect ment	ts on foetal develop-	:	Test Type: Development Species: Rabbit Application Route Teratogenicity: No Result: No teratog	: Subcutaneous OAEL: 0.250 µg/kg



rsion	Revision Date: 28.09.2024	SDS Number: 5306572-00013	Date of last issue: 06.04.2024 Date of first issue: 14.11.2019
Repro sessn	oductive toxicity - As- nent	: May damage f	ertility.
STOT	- single exposure		
Not cl	assified based on avai	lable information.	
Comp	oonents:		
4-Chl	oro-3-methylphenol:		
	sment	: May cause res	piratory irritation.
	ım [1α(Ζ),2β(1E,3R*), lroxycyclopentyl]hep		3-chlorophenoxy)-3-hydroxybut-1-enyl]-3,5
•	t Organs	: Lungs	
Asses	ssment	: Causes damag	ge to organs.
STOT	- repeated exposure		
Not cl	assified based on avai	lable information.	
Comp	oonents:		
		3α.5α]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl]-3,5
	ım [1α(Ζ),2β(1E,3R*), Iroxycyclopentyl]hep		
dihyd		t-5-enoate: : Ovary	
dihyd Targe	lroxycyclopentyl]hep	t-5-enoate: : Ovary	ge to organs through prolonged or repeated
dihyd Targe Asses	Iroxycyclopentyl]hep t Organs	t -5-enoate: : Ovary : Causes damag	ge to organs through prolonged or repeated
dihyd Targe Asses Repe	Iroxycyclopentyl]hep It Organs Issment	t -5-enoate: : Ovary : Causes damag	ge to organs through prolonged or repeated
dihyd Targe Asses Repe Comp	Iroxycyclopentyl]hep It Organs Issment ated dose toxicity	t -5-enoate: : Ovary : Causes damag	ge to organs through prolonged or repeated
dihyd Targe Asses Repe <u>Comr</u> 4-Chl Speci	Iroxycyclopentyl]hep at Organs asment ated dose toxicity <u>conents:</u> oro-3-methylphenol: es	t -5-enoate: : Ovary : Causes damager exposure.	ge to organs through prolonged or repeated
dihyd Targe Asses Repe <u>Comr</u> 4-Chl Speci NOAE	Iroxycyclopentyl]hep at Organs asment ated dose toxicity <u>oonents:</u> oro-3-methylphenol: es EL	t-5-enoate: : Ovary : Causes damages exposure. : Rat : 200 mg/kg	ge to organs through prolonged or repeated
dihyd Targe Asses Repe Comr 4-Chl Speci NOAE LOAE	Iroxycyclopentyl]hep at Organs asment ated dose toxicity <u>oonents:</u> oro-3-methylphenol: es EL	t -5-enoate: : Ovary : Causes damager exposure.	ge to organs through prolonged or repeated
dihyd Targe Asses Repe Comr 4-Chl Speci NOAE LOAE Applic	Iroxycyclopentyl]hep at Organs ated dose toxicity <u>ponents:</u> oro-3-methylphenol: es EL	t-5-enoate: : Ovary : Causes damage exposure. : Rat : 200 mg/kg : 400 mg/kg	ge to organs through prolonged or repeated
dihyd Targe Asses Repe Comr 4-Chl Speci NOAE LOAE Applic Expos	Iroxycyclopentyl]hep at Organs ated dose toxicity <u>oonents:</u> oro-3-methylphenol: es EL EL cation Route sure time Im [1α(Z),2β(1E,3R*),3	 t-5-enoate: Ovary Causes damage exposure. Rat 200 mg/kg 400 mg/kg Ingestion 28 Days 3α,5α]-(+/-)-7-[2-[4-(4)] 	
dihyd Targe Asses Reper Comr 4-Chl Speci NOAE LOAE Applic Expos Sodiu dihyd	Iroxycyclopentyl]hep at Organs assment ated dose toxicity <u>oonents:</u> oro-3-methylphenol: es EL cation Route sure time Im [1α(Z),2β(1E,3R*),3 Iroxycyclopentyl]hep	t-5-enoate: : Ovary : Causes damages exposure. : Rat : 200 mg/kg : 400 mg/kg : Ingestion : 28 Days 3α,5α]-(+/-)-7-[2-[4-(3)]	ge to organs through prolonged or repeated 3-chlorophenoxy)-3-hydroxybut-1-enyl]-3,5
dihyd Targe Asses Repe Comr 4-Chl Speci NOAE LOAE Applic Expos	Iroxycyclopentyl]hep at Organs assment ated dose toxicity <u>oonents:</u> oro-3-methylphenol: es EL cation Route sure time Im [1α(Z),2β(1E,3R*),; Iroxycyclopentyl]hep es	 t-5-enoate: Ovary Causes damage exposure. Rat 200 mg/kg 400 mg/kg Ingestion 28 Days 3α,5α]-(+/-)-7-[2-[4-(4)] 	



Version 6.1	Revision Date: 28.09.2024	SDS Number: 5306572-00013	Date of last issue: 06.04.2024 Date of first issue: 14.11.2019
Expos	cation Route sure time t Organs	: Oral : 3 Months : Ovary	
Expos		: Rat : 0.0125 mg/kg : Subcutaneous : 30 Days : Ovary	
Expos	E	: Monkey : 0.05 mg/kg : 0.15 mg/kg : Oral : 3 Months : Heart, Testis	

Aspiration toxicity

Not classified based on available information.

Components:

Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl]-3,5dihydroxycyclopentyl]hept-5-enoate: Not applicable

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Experience with human exposure

Components:

Sodium [1α(Z),2β(1E,3R*),3α,5α]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl]-3,5- dihydroxycyclopentyl]hept-5-enoate:					
General Information	 Target Organs: Uterus (including cervix) Symptoms: Embryo-foetal toxicity, foetal mortality, menstrual irregularities, miscarriage 				
Inhalation	 Target Organs: Lungs Symptoms: Asthma, bronchospasm Target Organs: Lungs Symptoms: bronchospasm, Asthma Remarks: May cause sensitisation of susceptible persons by 				



Version	Revision Date: 28.09.2024	SDS Number:	Date of last issue: 06.04.2024
6.1		5306572-00013	Date of first issue: 14.11.2019
Skin o	contact	Symptoms: Em : Target Organs: Symptoms: bro Remarks: Can Target Organs:	Uterus (including cervix) bryolethal effects, menstrual irregularities Lungs

SECTION 12: Ecological information

12.1 Toxicity

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 (algae)): 15 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
		EC10 (Chlorella pyrenoidosa (algae)): 2.3 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
M-Factor (Acute aquatic tox- icity)	:	1
Toxicity to microorganisms	:	EC50 : 22.86 mg/l Exposure time: 60 h
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)		NOEC: 0.32 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211

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

Ecotoxicology Assessment		
Acute aquatic toxicity	:	Toxic effects cannot be excluded
Chronic aquatic toxicity	:	Toxic effects cannot be excluded



Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
6.1	28.09.2024	5306572-00013	Date of first issue: 14.11.2019

12.2 Persistence and degradability

Components:

4-Chloro-3-methylpher	ıol:
-----------------------	------

Biodegradability	:	Result: Readily biodegradable. Biodegradation: 78 % Exposure time: 15 d
		Method: OECD Test Guideline 301

12.3 Bioaccumulative potential

Components	:
-------------------	---

4-Chloro-3-methylphenol:

becies: Cyprinus carpio (Carp) oconcentration factor (BCF): 5.5 - 13

Partition coefficient: n-	: log Pow: 0.477
---------------------------	------------------

octanol/water

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

:

13.1 Waste treatment methods

Product

Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.



Version	Revision Date: 28.09.2024	SDS Number:	Date of last issue: 06.04.2024
6.1		5306572-00013	Date of first issue: 14.11.2019
Conta	minated packaging	discussion with Do not dispose : Empty containe dling site for re	hould be assigned by the user, preferably in the waste disposal authorities. of waste into sewer. ers should be taken to an approved waste han- cycling or disposal. e specified: Dispose of as unused product.

SECTION 14: Transport information

14.1 UN number or ID number

ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.2 UN proper shipping name		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.3 Transport hazard class(es)		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.4 Packing group		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
IATA (Cargo)	:	Not regulated as a dangerous good
IATA (Passenger)	:	Not regulated as a dangerous good
115 Environmental horardo		

14.5 Environmental hazards

Not regulated as a dangerous good



Cloprostenol (with Propylene Glycol) Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
6.1	28.09.2024	5306572-00013	Date of first issue: 14.11.2019

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Remarks : Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	: Conditions of restriction for the fol- lowing entries should be considered: Number on list 75: If you intend to
	use this product as tattoo ink, please

contact your vendor.

		Substance(s) or mixture(s) are listed here according to their appearance in the regulation, irrespective of their use/purpose or the conditions of the restriction. Please refer to the condi- tions in corresponding Regulation to determine whether an entry is appli- cable to the placing on the market or not.
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	Not applicable
Regulation (EC) on substances that deplete the ozone layer	:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollu- tants (recast)	:	Not applicable
Regulation (EU) No 649/2012 of the European Parlia- ment and the Council concerning the export and import of dangerous chemicals	:	Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	:	Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Not applicable

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

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



6.1 28.09.2024 5306572-00013 Date of first issue: 14.11.2019	Version 6.1	Revision Date: 28.09.2024	SDS Number: 5306572-00013	Date of last issue: 06.04.2024 Date of first issue: 14.11.2019	
--	----------------	---------------------------	------------------------------	---	--

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Other information

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

Full text of H-Statements

H302	:	Harmful if swallowed.	
H314	:	Causes severe skin burns and eye damage.	
H317	:	May cause an allergic skin reaction.	
H318	:	Causes serious eye damage.	
H334	:	May cause allergy or asthma symptoms or breathing difficul- ties if inhaled.	
H335	:	May cause respiratory irritation.	
H360F	:	May damage fertility.	
H370	:	Causes damage to organs.	
H372	:	Causes damage to organs through prolonged or repeated	
		exposure.	
H400	:	Very toxic to aquatic life.	
H412	:	Harmful to aquatic life with long lasting effects.	
Full text of other abbreviations			
Acute Tox.	:	Acute toxicity	
Aquatic Acute		Short-term (acute) aquatic hazard	

Acute Tox. Aquatic Acute	:	Acute toxicity Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Dam.	:	Serious eye damage
Repr.	:	Reproductive toxicity
Resp. Sens.	:	Respiratory sensitisation
Skin Corr.	:	Skin corrosion
Skin Sens.	:	Skin sensitisation
STOT RE	:	Specific target organ toxicity - repeated exposure
STOT SE	:	Specific target organ toxicity - single exposure
IE OEL	:	Ireland. List of Chemical Agents and Carcinogens with Occu-
		pational Exposure Limit Values - Code of Practice, Schedule 1 and 2

IE OEL / OELV - 8 hrs (TWA) : Occupational exposure limit value (8-hour reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA -European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good La-



Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
6.1	28.09.2024	5306572-00013	Date of first issue: 14.11.2019

boratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance: PICCS - Philippines Inventory of Chemicals and Chemical Substances: (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI -Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

compile the Safety Data Sheet

Sources of key data used to : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/

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.

IE / EN