

Ovipast Plus Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
4.0	28.09.2024	6362767-00010	Date of first issue: 16.09.2020

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

1.1 Product identifier Trade name	:	Ovipast Plus Formulation
1.2 Relevant identified uses of	the s	ubstance or mixture and uses advised against
Use of the Sub- stance/Mixture	:	Veterinary medicine
Recommended restrictions on use	:	Not applicable
1.3 Details of the supplier of th	e 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)

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:	
Signal word	:	Warning
Hazard statements	:	H317 May cause an allergic skin reaction.
Precautionary statements	:	Prevention: P272 Contaminated work clothing should not be allowed out

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



Ovipast Plus Formulation

Version	Revision Date: 28.09.2024	SDS Number:	Date of last issue: 06.04.2024
4.0		6362767-00010	Date of first issue: 16.09.2020
		of the workplace	

of the workplace. P280 Wear protective gloves.

Response:

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Hazardous components which must be listed on the label: Maleic acid Formaldehyde

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. Registration number	Classification	Concentration (% w/w)
Antigen	Not Assigned		> 1,5 - < 2,5
Maleic acid	110-16-7 203-742-5 607-095-00-3	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1; H317 STOT SE 3; H335 specific concentra- tion limit Skin Sens. 1; H317 >= 0,1 %	0,23



according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

Revision Date: 28.09.2024		of last issue: 06.04.2024 of first issue: 16.09.2020	
bldobydo	50.00.0	Acute toxicity esti- mate Acute oral toxicity: 500 mg/kg Acute dermal toxici- ty: 1.560 mg/kg	0.05
aidehyde	200-001-8 605-001-00-5	H221 Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 3; H311 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Muta. 2; H341 Carc. 1B; H350 STOT SE 3; H335 $\overline{}$ specific concentra- tion limit Skin Corr. 1B; H314 >= 25 % Skin Irrit. 2; H315 5 - < 25 % Stor SE 3; H335 >= 5 % Skin Sens. 1A; H317 >= 0,2 % $\overline{}$ Acute toxicity esti- mate Acute oral toxicity: 100 mg/kg Acute inhalation toxicity (gas): 100 ppm Acute dermal toxici-	0,05
nersal	54-64-8 200-210-4 080-004-00-7	ty: 270 mg/kg Acute Tox. 2; H300 Acute Tox. 2; H330 Acute Tox. 1; H310 Repr. 1B; H360	0,013
	aldehyde	28.09.2024 6362767-00010 Date aldehyde 50-00-0 200-001-8 605-001-00-5 01-2119488953-20 50-00-0 200-01-8 605-001-00-5 01-2119488953-20 versal 54-64-8 200-210-4 200-210-4	28.09.2024 6362767-00010 Date of first issue: 16.09.2020 Acute oral toxicity: Acute oral toxicity: 500 mg/kg Acute oral toxicity: 500 mg/kg Acute dermal toxicity: 1.560 mg/kg Flam. Gas 1B; H221 805-001-00-5 605-001-00-5 Acute Tox. 3; H301 Acute Tox. 3; H311 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1A; H314 Eye Dam. 1; H318 Skin Corr. 1B; H314 H314 Eye Dam. 1; H318 Skin Corr. 1B; H314 H314 Eye Dam. 1; H318 Skin Corr. 1B; H314 H314 Eye Dam. 1; H318 Skin Corr. 1B; H314 H314 Eye Dam. 1; H318 Skin Corr. 1B; H314 = 25 % Skin Sens. 1A; H317 H314 = 25 % Skin Sens. 1A; H317 = 0,2 % Acute toxicity estimate Acute oral toxicity: Acute oral toxicity: 100 mg/kg Acute oral toxicity: 1



according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

Ovipast Plus Formulation

Version	Revision Date: 28.09.2024	SDS Number:	Date of last issue: 06.04.2024
4.0		6362767-00010	Date of first issue: 16.09.2020
			(Central nervous system, Cardio- vascular system, Gastrointestinal tract, Kidney) Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10 specific concentra- tion limit STOT RE 2; H373 >= 0,1 % Acute toxicity esti- mate Acute oral toxicity: 10 mg/kg Acute inhalation toxicity (dust/mist): 0,1 mg/l Acute dermal toxici- ty: 10 mg/kg

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measu	ires	5
General advice	:	In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical advice.
Protection of first-aiders	:	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).
If inhaled	:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water.



Version 4.0	Revision Date: 28.09.2024		OS Number: 62767-00010	Date of last issue: 06.04.2024 Date of first issue: 16.09.2020
			Get medical atte Wash clothing be	
In ca	se of eye contact	:		water as a precaution. ention if irritation develops and persists.
If swallowed		:	Get medical atte	D NOT induce vomiting. ention if symptoms occur. proughly with water.
4.2 Most	important symptoms a	nd e	effects, both acut	te and delayed
Risks	3	:	May cause an al	llergic skin reaction.
4.3 Indica	tion of any immediate	med	lical attention an	nd special treatment needed
	ment	:		tically and supportively.
SECTIO	N 5: Firefighting meas	sur	es	
5.1 Exting	guishing media			
-	ble extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (Dry chemical	
Unsu medi	itable extinguishing a	:	None known.	
5.2 Speci	al hazards arising from	h the	e substance or m	nixture
-	ific hazards during fire-			nbustion products may be a hazard to health.
Haza ucts	rdous combustion prod-	:	Carbon oxides Metal oxides	
5.3 Advic	e for firefighters			
Spec	ial protective equipment efighters	:		re, wear self-contained breathing apparatus. otective equipment.
Spec ods	ific extinguishing meth-	:	cumstances and Use water spray	ng measures that are appropriate to local cir- I the surrounding environment. I to cool unopened containers. aged containers from fire area if it is safe to do



Ovipast Plus Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
4.0	28.09.2024	6362767-00010	Date of first issue: 16.09.2020

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment. 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.

cannot be contained.

Local authorities should be advised if significant spillages

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 Advice on safe handling	:	Use only with adequate ventilation. Do not get on skin or clothing. Avoid breathing mist or vapours. Do not swallow. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment Take care to prevent spills, waste and minimize release to the environment.
Hygiene measures	:	If exposure to chemical is likely during typical use, provide eye



Ovipast Plus Formulation

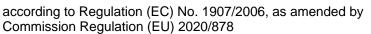
Versio 4.0	n Revision Date: 28.09.2024	SDS Number: 6362767-00010	Date of last issue: 06.04.2024 Date of first issue: 16.09.2020				
		place. When work clothing Wash contan The effective engineering c appropriate d industrial hyg	ems and safety showers close to the working using do not eat, drink or smoke. Contaminated should not be allowed out of the workplace. ninated clothing before re-use. operation of a facility should include review of controls, proper personal protective equipment, egowning and decontamination procedures, iene monitoring, medical surveillance and the istrative controls.				
7.2 Co	7.2 Conditions for safe storage, including any incompatibilities						
	equirements for storage reas and containers		erly labelled containers. Store in accordance with national regulations.				
A	dvice on common storage	: Do not store Strong oxidiz Gases	with the following product types: ing agents				
7.3 Sp	ecific end use(s)						
S	pecific use(s)	: No data avail	able				
		No data avail	able				

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis			
Formaldehyde	50-00-0	TWA	0,3 ppm	FOR-2011-			
			0,37 mg/m3	12-06-1358			
	Further inform	nation: Substances c	onsidered to be carcinogenio	c, Substances			
	considered to	evoke allergies whe	en coming into touch with the	eyes or air-			
	ways or evok	ing allergies after co	ming into contact with the ski	n			
		STEL	0,6 ppm	FOR-2011-			
			0,74 mg/m3	12-06-1358			
	Further inform	Further information: Substances considered to be carcinogenic, Substances					
	considered to	considered to evoke allergies when coming into touch with the eyes or air-					
	ways or evok	ways or evoking allergies after coming into contact with the skin					
		TWA	0,3 ppm	2004/37/EC			
			0,37 mg/m3				
	Further inform	nation: Dermal sensi	tisation, Carcinogens or muta	agens			
		STEL	0,6 ppm	2004/37/EC			
			0,74 mg/m3				
	Further inform	nation: Dermal sensi	tisation, Carcinogens or muta	agens			
Thiomersal	54-64-8	TWA	0,01 mg/m3	FOR-2011-			
			(Mercury)	12-06-1358			
	Further information: Substances considered to evoke allergies when coming into touch with the eyes or airways or evoking allergies after coming into con-						





Ovipast Plus Formulation

Version 4.0	Revision Date: 28.09.2024	SDS Number: 6362767-00010	Date of last issue: 06.0 Date of first issue: 16.0	
I	tact	with the skin, Chemicals	s that can be absorbed thr	ough the skin.
		STEL	0,03 mg/m3	FOR-2011-
			(Mercury)	12-06-1358

Further information: Substances considered to evoke allergies when coming into touch with the eyes or airways or evoking allergies after coming into contact with the skin, Chemicals that can be absorbed through the skin.

Biological occupational exposure limits

eters Sampling time Basis
ury): AN 361 ine

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

Substance name	End Use	Exposure routes	Potential health ef- fects	Value
Aluminum hydroxide	Workers	Inhalation	Long-term local ef- fects	10,76 mg/m3
	Workers	Inhalation	Long-term local ef- fects	10,76 mg/m3
	Consumers	Ingestion	Long-term systemic effects	4,74 mg/kg bw/day
Maleic acid	Workers	Inhalation	Long-term systemic effects	3 mg/m3
	Workers	Inhalation	Acute systemic ef- fects	3 mg/m3
	Workers	Inhalation	Long-term local ef- fects	3 mg/m3
	Workers	Inhalation	Acute local effects	3 mg/m3
Formaldehyde	Workers	Inhalation	Long-term systemic effects	9 mg/m3
	Workers	Inhalation	Long-term local ef- fects	0,375 mg/m3
	Workers	Inhalation	Acute local effects	0,75 mg/m3
	Workers	Skin contact	Long-term systemic effects	240 mg/kg bw/day
	Workers	Skin contact	Long-term local ef- fects	0,037 mg/cm2
	Consumers	Inhalation	Long-term systemic effects	3,2 mg/m3
	Consumers	Inhalation	Long-term local ef- fects	0,1 mg/m3
	Consumers	Skin contact	Long-term systemic effects	102 mg/kg bw/day
	Consumers	Skin contact	Long-term local ef- fects	0,012 mg/cm2
	Consumers	Ingestion	Long-term systemic effects	4,1 mg/kg bw/day

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



according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

Ovipast Plus Formulation

/ersion .0	Revision Date: 28.09.2024	SDS Number: 6362767-00010	Date of last issue: Date of first issue:	
Malei	c acid	Fresh water		0,1 mg/l
		Freshwater - i	ntermittent	0,428 mg/l
		Marine water		0,01 mg/l
		Sewage treatr	nent plant	44,6 mg/l
		Fresh water s	ediment	0,334 mg/kg dry weight (d.w.)
		Marine sedime	ent	0,033 mg/kg dry weight (d.w.)
		Soil		0,042 mg/kg dry weight (d.w.)
Form	aldehyde	Fresh water		0,44 mg/l
	•	Freshwater - i	ntermittent	4,44 mg/l
		Marine water		0,44 mg/l
		Sewage treatr	nent plant	0,19 mg/l
		Fresh water s	ediment	2,3 mg/kg dry weight (d.w.)
		Marine sedime	ent	2,3 mg/kg dry weight (d.w.)
		Soil		0,2 mg/kg dry weight (d.w.)

8.2 Exposure controls

Engineering measures

Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., drip-less quick connections).

All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Laboratory operations do not require special containment.

Laboratory operations do not require special contair

Personal protective equipment

Eye/face 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.
Hand protection Material	:	Chemical-resistant gloves
Skin and body protection Respiratory protection		Work uniform or laboratory coat. 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 NS EN 143
Filter type	:	Particulates type (P)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	suspension
i nyoloul olulo	•	odoponoion



Versic 4.0	on	Revision Date: 28.09.2024		S Number: 2767-00010	Date of last issue: 06.04.2024 Date of first issue: 16.09.2020
C	Colour		:	off-white to beige	, opaque
С	dour		:	No data available	
С)dour T	hreshold	:	No data available	
Ν	lelting	point/freezing point	:	No data available	
	nitial bo ange	piling point and boiling	:	No data available	
F	lamma	bility (solid, gas)	:	Not applicable	
F	lamma	bility (liquids)	:	No data available	
U fl	lpper e ammal	xplosion limit / Upper pility limit	:	No data available	
		explosion limit / Lower pility limit	:	No data available	
F	lash po	pint	:	Not applicable	
А	uto-igr	nition temperature	:	No data available	
D	ecomp	oosition temperature	:	No data available	
р	Н		:	6,1 - 6,9	
V	iscosit/ Visco	y osity, dynamic	:	No data available	
	Visco	osity, kinematic	:	No data available	
S	olubilit Wate	y(ies) er solubility	:	soluble	
	Partitior ctanol/	n coefficient: n- water	:	Not applicable	
V	′apour	pressure	:	similar to water	
R	Relative	edensity	:	1	
D	ensity		:	1 g/cm ³ similar to water	
R	Relative	vapour density	:	No data available	
Р	Particle	characteristics			

Ovipast Plus Formulation

Particle size : Not applicable	
9.2 Other information Explosives : Not explosive	
Oxidizing properties : The substance or mixture is not classified as oxidizing.	
Evaporation rate : No data available	
Molecular weight : Not applicable	

SECTION 10: Stability and reactivity

10.1 Reactivity

Not classified as a reactivity hazard.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions	: Can react with strong oxidizir	ng agents.
---------------------	----------------------------------	------------

10.4 Conditions to avoid

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 classes as defined in Regulation (EC) No 1272/2008

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

Acute toxicity

Not classified based on available information.

Components:

Н

Maleic acid:		
Acute oral toxicity :	:	LD50 (Rat): > 300 - 2.000 mg/kg Method: OECD Test Guideline 401 Remarks: Based on data from similar materials



Ovipast Plus Formulation

rsion)	Revision Date: 28.09.2024		S Number: 62767-00010	Date of last issue: 06.04.2024 Date of first issue: 16.09.2020
Acute	e dermal toxicity	:	LD50 (Rabbit):	1.560 mg/kg
Form	aldehyde:			
	oral toxicity	:	Method: Exper	estimate: 100 mg/kg t judgement ed on national or regional regulation.
Acute	inhalation toxicity	:	Acute toxicity e Exposure time: Test atmosphe Method: Exper	re: gas
Acute	e dermal toxicity	:	LD50 (Rabbit):	270 mg/kg
Thion	nersal:			
Acute	oral toxicity	:	LD50 (Rat): 75	mg/kg
			Method: Exper	estimate: 10 mg/kg t judgement ed on national or regional regulation.
Acute	inhalation toxicity	:	Exposure time: Test atmosphe Method: Exper	re: dust/mist
Acute	e dermal toxicity	:	Method: Exper	estimate: 10 mg/kg t judgement ed on national or regional regulation.
II Skin (corrosion/irritation			
Not cl	assified based on ava	ailable	information.	
<u>Comp</u>	oonents:			
	c acid:			
Speci Metho		:	in vitro membra OECD Test Gu	
Resul	lt	:	Corrosive after	3 minutes to 1 hour of exposure
Form	aldehyde:			
Resul		:		3 minutes to 1 hour of exposure
Rema	arks	:	Based on natio	nal or regional regulation.

Not classified based on available information.



ersion 0	Revision Date: 28.09.2024		S Number: 62767-00010	Date of last issue: 06.04.2024 Date of first issue: 16.09.2020
<u>Com</u>	oonents:			
Malei	c acid:			
Resul Rema		:	Irreversible effect Based on skin co	
Form	aldehyde:			
Resul Rema		:	Irreversible effect Based on skin co	
Resp	iratory or skin sensi	tisatio	n	
	sensitisation			
May c	ause an allergic skin	reactic	n.	
-	iratory sensitisation lassified based on ava		information.	
<u>Com</u>	oonents:			
Malei	c acid:			
Test	Гуре	:	Maximisation Te	st
Expos	sure routes	:	Skin contact	
Speci		:	Guinea pig	
Metho Resu		:	OECD Test Guid positive	deline 406
Asses		:		idence of skin sensitisation in humans
Form	aldabyday			
	aldehyde:		Human rapact in	ault patch toot (URIDT)
Test T	sure routes	:	Skin contact	sult patch test (HRIPT)
Speci		÷	Humans	
Resu	lt	:	positive	
Asses	ssment	:	Probability or ev mans	idence of high skin sensitisation rate in hu-
Germ	cell mutagenicity			
	assified based on ava	ailable	information.	
Com	oonents:			
Malei	c acid:			
Geno	toxicity in vitro	:	Test Type: Bacte Result: negative	erial reverse mutation assay (AMES)
				ro mammalian cell gene mutation test Test Guideline 476

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



/ersion 1.0	Revision Date: 28.09.2024		0S Number: 62767-00010	Date of last issue: 06.04.2024 Date of first issue: 16.09.2020
Form	aldehyde:			
	toxicity in vitro	:	Test Type: Bacte Result: positive	rial reverse mutation assay (AMES)
			Test Type: In vitro Result: positive	o mammalian cell gene mutation test
			Test Type: Chron Result: positive	nosome aberration test in vitro
Genot	toxicity in vivo	:	Test Type: In vivo Species: Mouse Application Route Result: positive	o mammalian alkaline comet assay :: Inhalation
Germ sessm	cell mutagenicity- As- nent	:	Positive result(s) genicity tests.	from in vivo mammalian somatic cell muta-
Thion	nersal:			
Genot	toxicity in vitro	:	Test Type: Bacte Result: negative	rial reverse mutation assay (AMES)
Genot	toxicity in vivo	:	Test Type: Mamm tion test (in vivo) Species: Mouse Application Route Result: negative	nalian spermatogonial chromosome aberra- :: Ingestion
II Carci	nogenicity			
	assified based on availa	able	information.	
	oonents:			
	c acid:			
Speci			Rat	
Applic	cation Route	:	Ingestion	
	sure time	:	2 Years	
Resul Rema		:	negative Based on data fro	om similar materials
Form	aldehyde:			
Speci	es	:	Rat	
Applic	ation Route	:	inhalation (gas)	
Expos Resul	sure time t	:	28 Months positive	
Carcir ment	nogenicity - Assess-	:	Sufficient evidence	e of carcinogenicity in animal experiments
Thion	nersal:			
Speci			Rat	



ersion .0	Revision Date: 28.09.2024		OS Number: 62767-00010	Date of last issue: 06.04.2024 Date of first issue: 16.09.2020
Expos Resul	sure time It	:	1 Years negative	
	oductive toxicity lassified based on avai	lable	information.	
Com	oonents:			
Malei	c acid:			
Effect	s on fertility	:	Species: Rat Application Rou Result: negative	
Effect ment	s on foetal develop-	:	Species: Rat Application Rou Result: negative	
Form	aldehyde:			
	s on foetal develop-	:	Species: Rat	ryo-foetal development te: inhalation (gas)
Thior	nersal:			
Effect ment	s on foetal develop-	:	Species: Rat Application Rou Result: positive Remarks: Base	te: Ingestion d on data from similar materials
Repro sessn	oductive toxicity - As- nent	:		of adverse effects on sexual function and fertil- evelopment, based on animal experiments
	- single exposure lassified based on avai	lable	information.	
<u>Comp</u>	oonents:			
Malei	c acid:			
Asses Rema	ssment arks	:	May cause resp Based on natior	iratory irritation. al or regional regulation.
	aldehyde:			
Asses	ssment	:	May cause resp	iratory irritation.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



Ovipast Plus Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
4.0	28.09.2024	6362767-00010	Date of first issue: 16.09.2020

STOT - repeated exposure

Not classified based on available information.

Components:

Thiomersal:

Target Organs	: Central nervous system, Cardio-vascular system, Gastrointes-
Assessment	tinal tract, Kidney : Causes damage to organs through prolonged or repeated
	exposure.

Repeated dose toxicity

Components:

Thiomersal:

Species	: Rat
LÕAEL	: >= 0,5 mg/kg
Application Route	: Ingestion
Species LOAEL Application Route Remarks	: Based on data from similar materials

Aspiration toxicity

Not classified based on available information.

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.

SECTION 12: Ecological information

12.1 Toxicity

Components:

Ma	leic	acio	1:
-			

Toxicity to fish	:	LC50 (Lepomis macrochirus (Bluegill sunfish)): > 10 - 100 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)): 42,81 mg/l Exposure time: 48 h Test substance: Neutralised product Method: OECD Test Guideline 202

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



Version 4.0	Revision Date: 28.09.2024		0S Number: 62767-00010	Date of last issue: 06.04.2024 Date of first issue: 16.09.2020
	Toxicity to algae/aquatic plants		mg/l Exposure time: 72	leutralised product
			mg/l Exposure time: 72	leutralised product
Toxici	Toxicity to microorganisms		Exposure time: 18	leutralised product
	ty to daphnia and other c invertebrates (Chron- city)	:		d magna (Water flea) on data from similar materials
Forma	aldehyde:			
	ty to fish	:	LC50 (Morone sa: Exposure time: 96	katilis (striped bass)): 6,7 mg/l 5 h
	ty to daphnia and other c invertebrates	:	: EC50 (Daphnia pulex (Water flea)): 5,8 mg/l Exposure time: 48 h	
Toxicit plants	ty to algae/aquatic	:	ErC50 (Desmodes Exposure time: 72 Method: OECD Te	
Toxicit	ty to microorganisms	:	EC50 (activated s Exposure time: 3 Method: OECD Te	h
	ty to daphnia and other c invertebrates (Chron- city)			magna (Water flea)
Thiom	nersal:			
	ty to fish	:	Exposure time: 96	iculata (guppy)): > 0,01 - 0,1 mg/l 5 h on data from similar materials
	ty to daphnia and other c invertebrates	:	Exposure time: 48	agna (Water flea)): > 0,01 - 0,1 mg/l h on data from similar materials
Toxicit	ty to algae/aquatic	:	EC50 (Pseudokiro	hneriella subcapitata (green algae)): > 0,01
			17 / 23	

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



Version 4.0	Revision Date: 28.09.2024		DS Number: 362767-00010	Date of last issue: 06.04.2024 Date of first issue: 16.09.2020
plants	3		- 0,1 mg/l Exposure time: 9 Remarks: Based	6 h on data from similar materials
M-Fao icity)	M-Factor (Acute aquatic tox- icity)		10	
aquat	Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)		NOEC: > 0,001 - Exposure time: 2 Species: Daphnia Remarks: Based	1 d
M-Fac toxicit	ctor (Chronic aquatic y)	:	10	
12.2 Persi	stence and degradabi	lity		
<u>Com</u>	oonents:			
Malei	c acid:			
Biode	gradability	:	Result: Readily b Biodegradation: Exposure time: 2 Method: OECD T	97 %
Form	aldehyde:			
Biode	gradability	:	Result: Readily b Biodegradation: Exposure time: 2 Method: OECD T	99 %
12.3 Bioad	ccumulative potential			
Com	oonents:			
Malei	c acid:			
	ion coefficient: n- ol/water	:	log Pow: -1,3	
	aldehyde:			
	ion coefficient: n- ol/water	:	log Pow: 0,35 Remarks: Calcula	ation
	12.4 Mobility in soil No data available			
12.5 Resu	Its of PBT and vPvB a	sse	ssment	
Produ	uct:			
Asses	ssment	:	to be either persi	nixture contains no components considered stent, bioaccumulative and toxic (PBT), or nd very bioaccumulative (vPvB) at levels of
			18 / 23	



Ovipast Plus Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
4.0	28.09.2024	6362767-00010	Date of first issue: 16.09.2020

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. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. Do not dispose of waste into sewer.
Contaminated packaging	 Empty containers should be taken to an approved waste han- dling site for recycling or disposal. If not otherwise 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



Ovipast Plus Formulation

Version 4.0	Revision Date: 28.09.2024		DS Number: 362767-00010	Date of last issue: 06.04.2024 Date of first issue: 16.09.2020			
ADR		:	Not regulated as	a dangerous good			
RID	RID		Not regulated as a dangerous good				
IMDG		:	Not regulated as	a dangerous good			
ΙΑΤΑ		:	Not regulated as	a dangerous good			
14.4 Packi	ng 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				
ΙΑΤΑ	(Cargo)	:	Not regulated as	a dangerous good			
ΙΑΤΑ	(Passenger)	:	Not regulated as	a dangerous good			
14.5 Envir	onmental hazards						
Not re	Not regulated as a dangerous good						
14.6 Special precautions for user Not applicable							
14.7 Maritime transport in bulk according to IMO instruments							

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) 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 3 Number on list 18: Thiomersal
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	Number on list 72: Formaldehyde Number on list 75: If you intend to use this product as tattoo ink, please contact your vendor.
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	Number on list 77: Formaldehyde Substance(s) or mixture(s) are listed
	here according to their appearance

in the regulation, irrespective of their

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



Ovipast Plus Formulation

Version 4.0	Revision Date: 28.09.2024	SDS Number: 6362767-00010		f last issue: 06.04.2024 f first issue: 16.09.2020
				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.
	CH - Candidate List of cern for Authorisation (Substances of Very High	:	Not applicable
REA		s subject to authorisation	:	Not applicable
•	lation (EC) on substa	nces that deplete the ozon	e :	Not applicable
Regu		on persistent organic poll	lu- :	Not applicable
Regu ment	ulation (EU) No 649/20	12 of the European Parlia erning the export and impo		Not applicable
	-	18/EU of the European Pa	rliamen	t and of the Council on the control of

major-accident hazards involving dangerous substances. Not applicable

Other regulations:

Note the Working Environment Act § 4-1 and § 4-2 on requirements for the employer to protect pregnant employees against discomfort and injury as a result of the work situation and the working environment.

Note the regulation on organization, leadership and participation, chapter 12 on the work of children and young people.

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

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

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

H221	:	Flammable gas.
H300	:	Fatal if swallowed.
H301	:	Toxic if swallowed.
H302	:	Harmful if swallowed.
H310	:	Fatal in contact with skin.
H311	:	Toxic in contact with skin.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



Ovipast Plus Formulation

Version 4.0	Revision Date: 28.09.2024	SDS Number: 6362767-00010	Date of last issue: 06.04.2024 Date of first issue: 16.09.2020		
H312 H314 H317 H318 H330 H335 H341 H350 H360 H372		 Causes severe May cause an Causes serious Fatal if inhaled May cause res Suspected of c May cause car May damage for Causes damage exposure. 	Harmful in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. Fatal if inhaled. May cause respiratory irritation. Suspected of causing genetic defects. May cause cancer. May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life.		
H400 H410			quatic life. quatic life with long lasting effects.		
Full t	ext of other abbreviat	-			
Acute Aqua Aqua Carc. Eye I Flam Muta Repr. Skin Skin STOT	e Tox. tic Acute tic Chronic Dam. . Gas Corr. Sens. Γ RE Γ SE /37/EC	 Acute toxicity Acute toxicity Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Carcinogenicity Serious eye damage Flammable gases Germ cell mutagenicity Reproductive toxicity Skin corrosion Skin sensitisation Specific target organ toxicity - repeated exposure Specific target organ toxicity - single exposure Europe. Directive 2004/37/EC on the protection of worke from the risks related to exposure to carcinogens or mut at work Norway. Directive on measures and limit values for phys and chemical factors in the work environment (biologica) 			
2004/ 2004/ FOR- TWA	2011-12-06-1358 /	values). Norway. Occup Short term exp Long term exp Long term exp Short term exp	osure limit osure limit		
Wate	rways; ADR - Agreem	nent concerning the	national Carriage of Dangerous Goods by Inland International Carriage of Dangerous Goods by emicals; ASTM - American Society for the Test-		

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 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 - Interna-



Ovipast Plus Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
4.0	28.09.2024	6362767-00010	Date of first issue: 16.09.2020

tional 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; 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

Further information

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

Classification of the mixtur	Classification procedure:	
Skin Sens. 1	H317	Calculation method

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

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.

NO / EN