

Version	Revision Date:	SDS Number:	Date of last issue: 06.07.2024
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier		
Trade name	:	Clotrimazole / Gentamicin / Betamethasone (0.1%) Formula- tion
Other means of identification	:	OTOMAX OINTMENT (51104)
1.2 Relevant identified uses of the	he s	substance 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	saf	ety data sheet
Company	:	MSD Kilsheelan Clonmel Tipperary, IE
Telephone	:	353-51-601000
E-mail address of person responsible for the SDS	:	EHSDATASTEWARD@msd.com

1.4 Emergency telephone number

+1-908-423-6000

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Reproductive toxicity, Category 1A Specific target organ toxicity - repeated exposure, Category 1 Short-term (acute) aquatic hazard, Cate- gory 1	H360D: May damage the unborn child. H372: Causes damage to organs through pro- longed or repeated exposure. H400: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, Cat- egory 1	H410: Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

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



Clotrimazole / Gentamicin / Betamethasone

(0.1%) Formulation

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	Hazaro	l pictograms	:		
	Signal	word	:	Danger	•
	Hazaro	statements	:	H372 Causes da peated exposure.	age the unborn child. Amage to organs through prolonged or re- to aquatic life with long lasting effects.
	Precau	tionary statements	:	Prevention:	
				P264 Wash skin P273 Avoid rele	ecial instructions before use. thoroughly after handling. ase to the environment. ective gloves/ protective clothing/ eye protec- on.
				Response: P308 + P313 IF attention. P391 Collect sp	exposed or concerned: Get medical advice/ illage.

Hazardous components which must be listed on the label: Gentamicin betamethasone

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

	CAS-No. EC-No. Index-No.	Classification	Concentration (% w/w)
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according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

rsion	Revision Date: 28.09.2024		of last issue: 06.07.2024 of first issue: 22.07.2016	
				[
clotrin	nazole	Registration numbe 23593-75-1 245-764-8	Acute Tox. 4; H302 Acute Tox. 3; H311 Eye Irrit. 2; H319 Repr. 2; H361fd STOT RE 2; H373 (Liver, Kidney, Ad- renal gland) Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute	>= 1 - < 2,5
			aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10 Acute toxicity esti- mate Acute dermal toxici- ty: 923 mg/kg	
	amicin	1403-66-3 215-765-8	Repr. 1A; H360D STOT RE 1; H372 (Kidney, inner ear) Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 1	>= 0,3 - < 1
betan	nethasone	378-44-9 206-825-4	Acute Tox. 2; H330 Repr. 1B; H360D STOT RE 1; H372 (Pituitary gland, Immune system, muscle, thymus gland, Blood, Ad- renal gland) Aquatic Chronic 1; H410 M-Factor (Chronic aquatic toxicity): 1.000	>= 0,1 - < 0,2

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			specific concentra- tion limit STOT RE 1; H372 >= 0,01 % Repr. 1B; H360D >= 0,01 %	

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures General advice : In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek 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. In case of skin contact : In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse. 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. Rinse mouth thoroughly with water. 4.2 Most important symptoms and effects, both acute and delayed Risks May damage the unborn child. Causes damage to organs through prolonged or repeated exposure. 4.3 Indication of any immediate medical attention and special treatment needed

Treatment	: Treat symptomatically and supportively.



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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 for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
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.

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. 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.

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		ment to keep ma be pumped, stor Clean up remain bent. Local or national posal of this mat employed in the mine which regu Sections 13 and	provide dyking or other appropriate contain- aterial from spreading. If dyked material can be recovered material in appropriate container. and materials from spill with suitable absor- I regulations may apply to releases and dis- terial, as well as those materials and items cleanup of releases. You will need to deter- lations are applicable. 15 of this SDS provide information regarding mational 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

	5	
Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	If sufficient ventilation is unavailable, use with local exhaust ventilation.
Advice on safe handling	:	Do not get on skin or clothing. Do not breathe mist or vapours. Do not swallow. Avoid contact with eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment Keep container tightly closed. Do not eat, drink or smoke when using this product. 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 flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contami- nated 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.
2 Conditions for safe storage	. inc	luding any incompatibilities

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	:	Keep in properly labelled containers. Store locked up. Keep tightly closed. Store in accordance with the particular national regulations.
Advice on common storage	:	Do not store with the following product types:



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			Strong oxidizing a Self-reactive sub Organic peroxide Explosives Gases	stances and mixtures
-	c end use(s) ic 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
White mineral oil	8042-47-5	TWA (Vapour)	50 mg/m3	FOR-2011-
(petroleum)				12-06-1358
		TWA (Mist and	1 mg/m3	FOR-2011-
		particles)	_	12-06-1358
clotrimazole	23593-75-1	TWA	0.2 mg/m3 (OEB 2)	Internal
Gentamicin	1403-66-3	TWA	0.1 mg/m3 (OEB 2)	Internal
	Further inform	Further information: OTO		
betamethasone	378-44-9	TWA	1 µg/m3 (OEB 4)	Internal
	Further information: Skin			
		Wipe limit	10 µg/100 cm²	Internal

8.2 Exposure controls

Engineering measures

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

Essentially no open handling permitted.

Use closed processing systems or containment technologies.

If handled in a laboratory, use a properly designed biosafety cabinet, fume hood, or other containment device if the potential exists for aerosolization. If this potential does not exist, handle over lined trays or benchtops.

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



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	emarks and body protection	Additional bo being perfor	uble gloving. n or laboratory coat. ody garments should be used based upon the task ned (e.g., sleevelets, apron, gauntlets, disposable d exposed skin surfaces.
Respi	iratory protection	Use appropr contaminate : If adequate I sure assess ommended g	iate degowning techniques to remove potentially
Fil	ter type		articulates and organic vapour type (A-P)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	liquid
Colour	:	No data available
Odour	:	No data available
Odour Threshold	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
рН	:	No data available
Viscosity		



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	Viscosity, kinematic	: No data available	
S	olubility(ies) Water solubility	: No data available	
	artition coefficient: n- ctanol/water	: Not applicable	
V	apour pressure	: No data available	
R	elative density	: No data available	
D	ensity	: No data available	
R	elative vapour density	: No data available	
Pa	article characteristics Particle size	: Not applicable	
9.2 Ot	her information		
E	xplosives	: Not explosive	
0	xidizing properties	: The substance or mixture is not classified as oxidizing.	
E,	vaporation rate	: No data available	

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 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.



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SECTION 11: Toxicological information

11.1 Information on hazard class Information on likely routes of exposure		as defined in Regulation (EC) No 1272/2008 Inhalation Skin contact Ingestion Eye contact
Acute toxicity Not classified based on availa	ble	information.
Product:		
Acute oral toxicity	:	Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method
Components:		
clotrimazole:		
Acute oral toxicity	:	LD50 (Rat): 708 mg/kg
		LD50 (Mouse): 761 mg/kg
		LD50 (Rabbit): > 1.000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 0,73 mg/l Exposure time: 4 h Test atmosphere: dust/mist
Acute dermal toxicity	:	LD50 (Mouse): 923 mg/kg
Gentamicin:		
Acute oral toxicity	:	LD50 (Rat): 8.000 - 10.000 mg/kg
		LD50 (Mouse): 10.000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 0,2 mg/l Exposure time: 4 h Test atmosphere: dust/mist Remarks: No mortality observed at this dose.
Acute toxicity (other routes of administration)	:	LD50 (Rat): 67 - 96 mg/kg Application Route: Intravenous

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			LD50 (Rat): 37 Application Rot	1 - 384 mg/kg ute: Intramuscular
			LDLo (Monkey) Application Rou): 30 mg/kg ute: Intravenous
betam	ethasone:			
	oral toxicity	:	LD50 (Rat): > 5	5.000 mg/kg
			LD50 (Mouse):	> 4.500 mg/kg
Acute i	nhalation toxicity	:	LC50 (Rat): 0,4 Exposure time:	
01-1			-	
	orrosion/irritation ssified based on ava	ailable	information.	
	onents:			
	nazole:			
Specie		•	Rabbit	
Result	0	:	No skin irritatio	n
Genta	micin:			
Specie		:	Rabbit	
Result		:	Mild skin irritati	on
betam	ethasone:			
Specie	S	:	Rabbit	
Result		:	Mild skin irritati	on
Seriou	s eye damage/eye i	irritati	on	
	ssified based on ava			
Comp	onents:			
clotrin	nazole:			
Specie	s	:	Rabbit	
Result		:	Mild eye irritatio	n
Genta	micin:			
Specie	S	:	Rabbit	
Result		:	Mild eye irritatio	n
betam	ethasone:			
Specie	S	:	Rabbit	
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Resul	lt	: No eye ir	ritation
Resp	iratory or skin sensi	tisation	
	sensitisation lassified based on ava	ailable informatio	n.
-	iratory sensitisation lassified based on ava		n.
<u>Comp</u>	oonents:		
Genta Rema	amicin: arks	: No data a	available
		: Dermal : Guinea p : Weak ser	
Not cl	a cell mutagenicity lassified based on ava	ailable informatio	n.
-	ponents:		
	mazole: toxicity in vitro	: Test Type Result: ne	e: Bacterial reverse mutation assay (AMES) egative
		Test Type Result: ne	e: Chromosome aberration test in vitro egative
		Test Type Result: ne	e: in vitro micronucleus test egative
Geno	toxicity in vivo	cytogene Species:	on Route: Oral
		Test Type tion test (Species: Result: ne	Hamster
Germ sessn	cell mutagenicity- As	- : Weight of cell muta	f evidence does not support classification as a geri gen.
-			

Gentamicin:

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Geno	otoxicity in vitro	:	Test Type: In vitro Result: negative	o mammalian cell gene mutation test	
			Test Type: Chron Result: equivocal	nosome aberration test in vitro	
Geno	Genotoxicity in vivo		Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Application Route: Intravenous injection Result: negative		
betar	methasone:				
Geno	otoxicity in vitro	:	Test Type: Bacter Result: negative	rial reverse mutation assay (AMES)	
			Test Type: In vitro Result: negative	o mammalian cell gene mutation test	
			Test Type: Chron Result: positive	nosome aberration test in vitro	
Geno	otoxicity in vivo	:	Test Type: Mamn cytogenetic assay Species: Mouse Application Route Result: equivocal	e: Oral	
Germ sessr	n cell mutagenicity- As- ment	:	Weight of evidend cell mutagen.	ce does not support classification as a germ	
	inogenicity				
Not c	lassified based on availa	able	information.		

Components:

clotrimazole:

Species	:	Rat
Application Route	:	Oral
Exposure time	:	78 weeks
Result	:	negative

Gentamicin:

Carcinogenicity - Assess-	:	No data available
ment		

Reproductive toxicity

May damage the unborn child.

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	Compo	onents:			
	clotrim	azole:			
	Effects on fertility		:	Species: Rat Application Route	50 mg/kg body weight
	Effects on foetal develop- ment		:	Species: Rat Application Route Developmental To Result: Embryo-fo Test Type: Embry Species: Rat Application Route Developmental To Result: Embryo-fo Test Type: Embry Species: Mouse Application Route Developmental To Result: No effects	 bxicity: LOAEL: 100 mg/kg body weight betal toxicity, No teratogenic effects co-foetal development : Oral bxicity: NOAEL: 50 mg/kg body weight betal toxicity, No teratogenic effects co-foetal development : Oral bxicity: NOAEL: 200 mg/kg body weight on foetal development co-foetal development oo-foetal development
					oxicity: NOAEL: 180 mg/kg body weight on foetal development
	Reprod sessme	luctive toxicity - As- ent	:	fertility, based on	f adverse effects on sexual function and animal experiments., Some evidence of n development, based on animal experi-
	Gentar	nicin:			
	Effects	on fertility	:	Species: Rat Fertility: NOAEL:	eneration reproduction toxicity study 20 mg/kg body weight cant adverse effects were reported
	Effects ment	on foetal develop-	:	Species: Rabbit	o-foetal development oxicity: NOAEL: 3,6 mg/kg body weight o-foetal toxicity
				Test Type: Embry Species: Rat	o-foetal development

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				Application Route Developmental Te Result: Embryo-fe	oxicity: LOAEL: 75 mg/kg body weight
				Species: Mouse Application Route Developmental To	vo-foetal development e: Intraperitoneal oxicity: LOAEL: 10 mg/kg body weight rtality, No malformations were observed.
				Species: Rat Application Route Developmental To	vo-foetal development e: Intraperitoneal oxicity: LOAEL: 50 mg/kg body weight rtality, No malformations were observed.
	Reproc sessme	ductive toxicity - As- ent	:	Positive evidence human epidemiol	of adverse effects on development from ogical studies.
	betamethasone:				
	Effects ment	on foetal develop-	:		e: Intramuscular oxicity: LOAEL: 0,05 mg/kg body weight ty, Malformations were observed.
					e: Subcutaneous oxicity: LOAEL: 0,42 mg/kg body weight tions were observed.
					e: Intramuscular oxicity: LOAEL: 1 mg/kg body weight tions were observed.
	Reproc sessme	ductive toxicity - As- ent	:	Clear evidence of animal experimer	adverse effects on development, based on hts.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Components:

clotrimazole:	
Target Organs Assessment	Liver, Kidney, Adrenal gland May cause damage to organs through prolonged or repeated exposure.

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Targe	amicin: et Organs ssment	: Kidney, inner : Causes dama exposure.	ear age to organs through prolonged or repeated
Targe	nethasone: et Organs ssment	Adrenal gland	d, Immune system, muscle, thymus gland, Blood, d age to organs through prolonged or repeated
-	ated dose toxicity ponents:		
clotri Speci LOAE Applio Expos	mazole: ies EL cation Route sure time et Organs	: Rabbit : 5 - 40 mg/kg : Skin contact : 3 Weeks : Skin : Oedema, Fiss	suring, Necrosis, Redness
Expo		: Rat : 10 mg/kg : Oral : 18 Months : Liver, Kidney	, Adrenal gland
Expo	EL cation Route sure time et Organs	: Dog : 25 mg/kg : Oral : 6 - 12 Months : Adrenal gland : Salivation, La	
Speci LOAE Applid Expos Targe Symp Speci LOAE Applid Expos	EL cation Route sure time et Organs otoms	 Dog 3 mg/kg Intramuscular 12 Months Kidney Vomiting, Sal Monkey 50 mg/kg Subcutaneou 3 Weeks Kidney, inner 	ivation s

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Expos		: Monkey : 6 mg/kg : Intramuscular : 3 Weeks : Blood, Kidney,	inner ear, Liver	
Expos	EL EL cation Route sure time t Organs	: Rat : 5 mg/kg : 10 mg/kg : Intramuscular : 52 Weeks : Kidney, Blood : Rat		
NOAE LOAE Applic Expos	EL	: 12,5 mg/kg : 50 mg/kg : Intramuscular : 13 Weeks : Kidney		
betan	nethasone:			
Expos		: Rabbit : 0.05 % : Skin contact : 10 - 30 d : Pituitary gland,	Immune system, muscle	
Expos		: Rat : 0.05 % : Skin contact : 8 Weeks : thymus gland		
Expos		: Mouse : 0.1 % : Skin contact : 8 Weeks : thymus gland		
Expos		: Dog : 0,05 mg/kg : Oral : 28 d : Blood, thymus	gland, Adrenal gland	

Aspiration toxicity

Not classified based on available information.



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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:		
clotrimazole: Skin contact Ingestion	Symptoms: Rash, Itching, Blistering, Oedema, Re Symptoms: Abdominal pain, Nausea, Vomiting, Di	
Gentamicin:		
Ingestion	Target Organs: Kidney Target Organs: inner ear Symptoms: Dizziness, Vertigo, hearing loss, tinnitu deafness	ıs, fetal
betamethasone:		
Inhalation Skin contact	Target Organs: Adrenal gland Symptoms: Redness, pruritis, Irritation	

SECTION 12: Ecological information

12.1 Toxicity

Components:		
clotrimazole:		
Toxicity to fish	:	LC50 (Brachydanio rerio (zebrafish)): > 0,29 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0,02 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicatus (green algae)): 0,268 mg/l Exposure time: 72 h
		NOEC (Desmodesmus subspicatus (green algae)): 0,017 mg/l Exposure time: 72 h
M-Factor (Acute aquatic tox- icity)	:	10



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Т	oxicity t	to microorganisms	:	EC50 : > 10.000 r Exposure time: 3 Test Type: Respir Method: OECD Te	h ation inhibition
	oxicity t city)	to fish (Chronic tox-	:	NOEC: 0,025 mg/ Exposure time: 32 Species: Oncorhy Method: OECD Te	? d nchus mykiss (rainbow trout)
a		to daphnia and other nvertebrates (Chron- /)	:	NOEC: 0,01 mg/l Exposure time: 21 Species: Daphnia Method: OECD Te	magna (Water flea)
	1-Factor oxicity)	r (Chronic aquatic	:	10	
G	entam	icin:			
		to daphnia and other nvertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
				LC50 (Americamy Exposure time: 96 Method: US-EPA	5 h
	oxicity flants	to algae/aquatic	:	EC50 (Pseudokiro Exposure time: 72 Method: OECD Te	
				NOEC (Pseudokir µg/l Exposure time: 72 Method: OECD Te	
				EC50 (Anabaena Exposure time: 72 Method: OECD Te	
				NOEC (Anabaena Exposure time: 72 Method: OECD Te	
	1-Factor city)	r (Acute aquatic tox-	:	100	
Т	oxicity 1	to microorganisms	:	EC50 : 288,7 mg/ Exposure time: 3 Test Type: Respir Method: OECD Te	h ation inhibition



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	M-Fact toxicity	or (Chronic aquatic)	:	1	
	betamethasone:				
		y to daphnia and other invertebrates	:	EC50 (Americam) Exposure time: 96	
	Toxicit <u>y</u> plants	y to algae/aquatic	:	 EC50 (Pseudokirchneriella subcapitata (green algae mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility 	
				mg/l Exposure time: 72 Method: OECD T	
	Toxicit <u>y</u> icity)	y to fish (Chronic tox-	:	NOEC: 0,052 mg/ Exposure time: 32 Species: Pimepha Method: OECD T	2 d ales promelas (fathead minnow)
				NOEC: 0,07 µg/l Exposure time: 27 Species: Oryzias Method: OECD T	latipes (Japanese medaka)
		y to daphnia and other invertebrates (Chron- ity)	:	NOEC: 8 mg/l Exposure time: 2 [,] Species: Daphnia Method: OECD T	magna (Water flea)
	M-Fact toxicity	or (Chronic aquatic)	:	1.000	
12.2	2 Persis	tence and degradabil	ity		
	<u>Comp</u>	onents:			
		n azole: y in water	:	Hydrolysis: 50 %(242 d)
	Gentai Biodeg	nicin: radability	:	Result: rapidly de Biodegradation: Exposure time: 28 Method: OECD T	100 % 3 d



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12.3 Bioaccumulative potential

Components:

Gentamicin:

betamethasone:		
octanol/water		
Partition coefficient: n-	:	log Pow: < -2

betamethasone:

Partition coefficient: n-	: log Pow: 2,11
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. 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.



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SECTIO	N 14: Transport infor	mat	tion		
14.1 UN r	number or ID number				
ADN		:	UN 3082		
ADR		:	UN 3082		
RID		:	UN 3082		
IMDO	G	:	UN 3082		
ΙΑΤΑ	۱.	:	UN 3082		
14.2 UN p	proper shipping name				
ADN		:	ENVIRONMENT N.O.S. (clotrimazole, Ge	ALLY HAZARDOUS SUBSTANCE, LIQUID,	
ADR		:	ENVIRONMENT, N.O.S. (clotrimazole, Ge	ALLY HAZARDOUS SUBSTANCE, LIQUID,	
RID		:	ENVIRONMENT, N.O.S. (clotrimazole, Ge	ALLY HAZARDOUS SUBSTANCE, LIQUID,	
IMDO	3	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (clotrimazole, Gentamicin)		
ΙΑΤΑ	N N	:	Environmentally hazardous substance, liquid, n.o.s. (clotrimazole, Gentamicin)		
14.3 Tran	sport hazard class(es)				
			Class	Subsidiary risks	
ADN		:	9		
ADR		:	9		
RID		:	9		
IMDO	G	:	9		
ΙΑΤΑ	۱.	:	9		
14.4 Pack	king group				
Class Haza Labe	ing group sification Code ard Identification Number Is	: :	III M6 90 9		
	ing group sification Code	:	III M6		

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



Clotrimazole / Gentamicin / Betamethasone (0.1%) Formulation

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	Labels	Identification Number restriction code	:	90 9 (-)	
	Classifi	g group cation Code Identification Number	:	III M6 90 9	
	IMDG Packing Labels EmS C	g group ode	:	III 9 F-A, S-F	
		g instruction (cargo	:	964	
) g instruction (LQ) g group	:	Y964 III Miscellaneous	
	Packing ger airc Packing		:	964 Y964 III Miscellaneous	
14.5	5 Enviro	nmental hazards			
	ADN Enviror	mentally hazardous	:	yes	
	ADR Enviror	mentally hazardous	:	yes	
	RID Enviror	mentally hazardous	:	yes	
	IMDG Marine	pollutant	:	yes	
		Passenger) mentally hazardous	:	yes	
	IATA ((Enviror	Cargo) Imentally hazardous	:	yes	
14.6	Specia	I precautions for use	r		

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Maritime transport in bulk according to IMO instruments

Remarks



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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mix-ture

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 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
REACH - List of substances subject to authorisation (Annex XIV)	:	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
Seveso III: Directive 2012/18/EU of the European Parliar	ment	and of the Council on the control of

major-accident hazards involving dangerous substances.

		Quantity	Quantity Z
E1	ENVIRONMENTAL	100 t	200 t
	HAZARDS		

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



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DSL		:	not determined							
IECSC :		not determined								
15.2 Chen	15.2 Chemical safety assessment									
A Chemica	A Chemical Safety Assessment has not been carried out.									
SECTION	I 16: Other informa	tion								
Other information :			nges have been made to the previous version the body of this document by two vertical							
Full t	Full text of H-Statements									
H302		:	Harmful if swallowed.							
H311		:	Toxic in contact with skin.							
H319		:	Causes serious eye irritation.							
H330	_	:	Fatal if inhaled.							
H360		:	May damage the unborn child.							
H361	ſŎ		unborn child.	naging fertility. Suspected of damaging the						
L1272				to organs through prolonged or repeated						
H372	H372		exposure.	to organs through prolonged or repeated						
H372			-	to organs through prolonged or repeated						
11072	H372		exposure if swall							
H373		:		ge to organs through prolonged or repeated						
		-	exposure if swall							
H400		:	Very toxic to aqu							
H410		:		atic life with long lasting effects.						
Full t	ext of other abbrevia	tions								
Acute	Tox.	:	Acute toxicity							
	tic Acute	:	Short-term (acute							
	tic Chronic	:		ic) aquatic hazard						
Eye Ir	rit.	:	Eye irritation							
Repr.		:	Reproductive tox							
STOT		:		gan toxicity - repeated exposure						
	2011-12-06-1358	:		tional Exposure limits						
FOR- TWA	2011-12-06-1358 /	:	Long term expos	ure limit						

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-



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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; 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 compile the Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/
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H360D
H372
H400
H410

Classification proced	lure:
Calculation method	

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