

Clotrimazole / Gentamicin / Betamethasone (0.1%) Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 04.04.2023
5.10	30.09.2023	808849-00020	Date of first issue: 22.07.2016

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name :	Clotrimazole / Gentamicin / Betamethasone (0.1%) Formula- tion
Manufacturer or supplier's de	ails
	MSD 126 E. Lincoln Avenue Rahway, New Jersey U.S.A. 07065
Emergency telephone	908-740-4000 1-908-423-6000 EHSDATASTEWARD@msd.com
Recommended use of the che	mical and restrictions on use
Recommended use Restrictions on use	Veterinary product Not applicable

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Reproductive toxicity	:	Category 1A
Specific target organ toxicity - repeated exposure	:	Category 1 (Pituitary gland, Immune system, muscle, thymus gland, Blood, Adrenal gland)
Specific target organ toxicity - repeated exposure (Oral)	:	Category 2 (Liver, Kidney, Adrenal gland)
GHS label elements Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	 H360Df May damage the unborn child. Suspected of damaging fertility. H372 Causes damage to organs (Pituitary gland, Immune system, muscle, thymus gland, Blood, Adrenal gland) through prolonged or repeated exposure. H373 May cause damage to organs (Liver, Kidney, Adrenal gland) through prolonged or repeated exposure if swallowed.
Precautionary Statements	:	 Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe mist or vapors. P264 Wash skin thoroughly after handling.



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			eat, drink or smoke when using this product. otective gloves/ protective clothing/ eye protection/ n.
		Response: P308 + P313 I attention.	F exposed or concerned: Get medical advice/
		Storage: P405 Store loc	cked up.
		Disposal: P501 Dispose posal plant.	of contents/ container to an approved waste dis-
••	r hazards known.		
SECTION	3. COMPOSITION/IN	FORMATION ON INC	GREDIENTS
Subs	tance / Mixture	: Mixture	
Com	ponents		

Chemical name	CAS-No.	Concentration (% w/w)
White mineral oil (petroleum)	8042-47-5	>= 90 -<= 100
clotrimazole	23593-75-1	>= 1 -< 5
Gentamicin	1403-66-3	>= 0.1 -< 1
Betamethasone	378-44-9	>= 0.1 -< 1

SECTION 4. 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.
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.
Most important symptoms and effects, both acute and delayed	:	May damage the unborn child. Suspected of damaging fertili- ty. Causes damage to organs through prolonged or repeated exposure.



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Prote	ction of first-aiders	:	and use the re	nders should pay attention to self-protection, commended personal protective equipment ntial for exposure exists (see section 8).
Notes	s to physician	:		natically and supportively.
SECTION	5. FIRE-FIGHTING ME	ASU	RES	
Suita	ble extinguishing media	:	Water spray Alcohol-resista Carbon dioxide Dry chemical	
Unsu media	itable extinguishing a	:	None known.	
fightir		:	Exposure to co	ombustion products may be a hazard to health.
Haza ucts	rdous combustion prod-	:	Carbon oxides	
Spec ods	ific extinguishing meth-	:	cumstances an Use water spra	ning measures that are appropriate to local cir- nd the surrounding environment. ay to cool unopened containers. maged containers from fire area if it is safe to do
	ial protective equipment e-fighters	:		fire, wear self-contained breathing apparatus. protective equipment.

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).
Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g., by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.



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SECTION 7. HANDLING AND STORAGE

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 vapors. 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 assessment 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 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.
Conditions for safe storage	:	Keep in properly labeled containers. Store locked up. Keep tightly closed. Store in accordance with the particular national regulations.
Materials to avoid	:	Do not store with the following product types: Strong oxidizing agents Self-reactive substances and mixtures Organic peroxides Explosives Gases

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
White mineral oil (petroleum)	8042-47-5	VLE-PPT (Mist)	5 mg/m ³	NOM-010- STPS-2014
		TWA (Inhalable particulate	5 mg/m³	ACGIH



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		1		montor)		1
clotrim	nazole	23593	8-75-1	matter) TWA	0.2 mg/m3 (OEB 2)	Internal
Genta	micin	1403-	66-3	TWA	0.1 mg/m3 (OEB 2)	Internal
		Furthe	er informa	ation: OTO		•
Betam	nethasone	378-4	4-9	TWA	1 µg/m3 (OEB 4)	Internal
		Furthe	er informa	ation: Skin		
				Wipe limit	10 µg/100 cm ²	Internal
		prote Esse Use o If har cabin poter exist,	ct produc ntially no closed pr ndled in a net, fume ntial exist	cts, workers, ar open handling ocessing syste a laboratory, us hood, or other	ms or containment te e a properly designed containment device it ation. If this potential of	chnologies I biosafety f the
Perso	onal protective equip	ment				
	ratory protection ter type	expo recor	sure asso nmendeo	essment demo d guidelines, us	ntilation is not availab nstrates exposures ou se respiratory protection rganic vapor type	utside the
Hand	protection					
Ма	aterial	: Chen	nical-resi	stant gloves		
	marks rotection	: Wear If the mists Wear	safety g work en or aeros a facesl ntial for d	vironment or ac sols, wear the a nield or other fu	e shields or goggles. ctivity involves dusty o ppropriate goggles. Ill face protection if th the face with dusts, r	ere is a
Skin a	and body protection	: Work Addit task l dispo Use a	a uniform ional boo being per sable su appropria	rformed (e.g., s its) to avoid ex	oat. ould be used based u leevelets, apron, gau posed skin surfaces. techniques to remove	ntlets,

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	No data available
Odor	:	No data available
Odor Threshold	:	No data available



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	рН		:	No data available	
	Melting	point/freezing point	:	No data available	
	Initial bo range	piling point and boiling	:	No data available	
	Flash p	oint	:	No data available	
	Evapora	ation rate	:	No data available	
	Flamma	ability (solid, gas)	:	Not applicable	
	Flamma	ability (liquids)	:	No data available	
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
	Vapor p	pressure	:	No data available	
	Relative	e vapor density	:	No data available	
	Relative	e density	:	No data available	
	Density		:	No data available	
	Solubilit Wate	ty(ies) er solubility	:	No data available	
	Partitior octanol/	n coefficient: n-	:	Not applicable	
		ition temperature	:	No data available	
	Decomp	position temperature	:	No data available	
	Viscosit Visc	y osity, kinematic	:	No data available	
	Explosiv	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance or	mixture is not classified as oxidizing.
	Particle	size	:	Not applicable	

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Not classified as a reactivity hazard.	
Chemical stability	: Stable under normal conditions.	



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tions Cond Incon	ibility of hazardous reac- litions to avoid npatible materials rdous decomposition ucts	:	None known. Oxidizing agents	rong oxidizing agents. composition products are known.
SECTION	11. TOXICOLOGICAL	INF	ORMATION	
Inhala Skin Inges Eye o	contact stion contact	s of (exposure	
	e toxicity lassified based on availa	able	information.	
Prod				
Acute	e oral toxicity	:	Acute toxicity estine Method: Calculation	mate: > 5,000 mg/kg on method
Acute	e inhalation toxicity	:	Acute toxicity estin Exposure time: 4 Test atmosphere: Method: Calculation	h dust/mist
Acute	e dermal toxicity	:	Acute toxicity estine Method: Calculation	mate: > 5,000 mg/kg on method
Com	ponents:			
White	e mineral oil (petroleur	n):		
Acute	e oral toxicity	:	LD50 (Rat): > 5,00	00 mg/kg
Acute	e inhalation toxicity	:	Exposure time: 4 Test atmosphere:	ĥ
Acute	e dermal toxicity	:	LD50 (Rabbit): > 2 Assessment: The toxicity	2,000 mg/kg substance or mixture has no acute dermal
clotri	imazole:			
Acute	e oral toxicity	:	LD50 (Rat): 708 n	ng/kg
			LD50 (Mouse): 76	61 mg/kg
			LD50 (Rabbit): > ²	1,000 mg/kg



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Acute	inhalation toxicity	:	LC50 (Rat): > 0.73 Exposure time: 4 I Test atmosphere:	h
Acute	e dermal toxicity	:	LD50 (Mouse): 92	3 mg/kg
Genta	amicin:			
Acute	oral toxicity	:	LD50 (Rat): 8,000	- 10,000 mg/kg
			LD50 (Mouse): 10	,000 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): > 0.2 Exposure time: 4 I Test atmosphere: Remarks: No more	h
	e toxicity (other routes of histration)	:	LD50 (Rat): 67 - 9 Application Route	
			LD50 (Rat): 371 - Application Route	
			LDLo (Monkey): 3 Application Route	
Betar	nethasone:			
Acute	oral toxicity	:	LD50 (Rat): > 5,00	00 mg/kg
			LD50 (Mouse): > 4	4,500 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): 0.4 m Exposure time: 4 I	
Not c	corrosion/irritation lassified based on availa	ble	information.	
	<u>oonents:</u>			
	e mineral oil (petroleum):	Dahhit	
Speci Resul		:	Rabbit No skin irritation	
clotri	mazole:			
Speci Resu		:	Rabbit No skin irritation	
Genta	amicin:			
Speci Resu		:	Rabbit Mild skin irritation	



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	Betame	ethasone:			
	Species Result	1	:	Rabbit Mild skin irritation	
	Serious	s eye damage/eye irri	itati	on	
		sified based on availa			
	<u>Compo</u>	nents:			
	White n	nineral oil (petroleun	n):		
	Species Result	;	:	Rabbit No eye irritation	
	clotrim	azole:			
	Species Result		:	Rabbit Mild eye irritation	
	Gentam	nicin:			
	Species Result		:	Rabbit Mild eye irritation	
	Betame	ethasone:			
	Species Result	;	:	Rabbit No eye irritation	
	Respira	atory or skin sensitiz	atio	n	
		nsitization sified based on availa	ble	information.	
	-	atory sensitization sified based on availa	ble	information.	
	Compo				
	White n	nineral oil (petroleun	n):		
	Test Ty	ре	:	Buehler Test	
	Routes Species	of exposure	:	Skin contact Guinea pig	
	Result		:	negative	
	Gentam	nicin:			
	Remark		:	No data available	
	Betame	ethasone:			
	Routes	of exposure	:	Dermal	
	Species Result	;	:	Guinea pig Weak sensitizer	
	ILESUIL		•	VVEAR SENSILLEI	



ersion 10	Revision Date: 30.09.2023	SDS Number: 808849-00020	Date of last issue: 04.04.2023 Date of first issue: 22.07.2016
Germ	cell mutagenicity		
Not cl	assified based on ava	ailable information.	
Comp	oonents:		
White	e mineral oil (petrole	um):	
Geno	toxicity in vitro	: Test Type: Result: neg	In vitro mammalian cell gene mutation test ative
Geno	toxicity in vivo	cytogenetic Species: M Application Method: OE Result: neg	ouse Route: Intraperitoneal injection ECD Test Guideline 474
clotri	mazole:		
Geno	toxicity in vitro	: Test Type: Result: neg	Bacterial reverse mutation assay (AMES) ative
		Test Type: Result: neg	Chromosome aberration test in vitro ative
		Test Type: Result: neg	in vitro micronucleus test ative
Geno	toxicity in vivo	cytogenetic Species: Ra	at Route: Oral
		Test Type: tion test (in Species: Ha Result: neg	amster
	cell mutagenicity -	: Weight of e cell mutage	vidence does not support classification as a geri n.
Genta	amicin:		
Geno	toxicity in vitro	: Test Type: Result: neg	In vitro mammalian cell gene mutation test ative
		Test Type: Result: equ	Chromosome aberration test in vitro ivocal
Geno	toxicity in vivo	cytogenetic Species: M	



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			Result: negative				
			Ū.				
	methasone:						
Geno	otoxicity in vitro	:	Test Type: Bacte Result: negative	rial reverse mutation assay (AMES)			
			Test Type: In vitr Result: negative	o mammalian cell gene mutation test			
			Test Type: Chror Result: positive	nosome aberration test in vitro			
Geno	otoxicity in vivo	:	Test Type: Mamr cytogenetic assa Species: Mouse Application Route Result: equivocal	e: Oral			
	n cell mutagenicity - ssment	:	Weight of eviden cell mutagen.	ce does not support classification as a germ			
Not c	inogenicity classified based on avail	able	information.				
	ponents:	···· \ ·					
	e mineral oil (petroleu	m):	Rat				
Spec Appli	cation Route	÷	Ingestion				
	sure time	:	24 Months				
Resu	llt	:	negative				
clotr	imazole:						
Spec		:	Rat				
	cation Route	:	Oral				
Expo Resu	sure time	÷	78 weeks				
Resu	in and the second se	•	negative				
Gent	amicin:						
Carc ment	inogenicity - Assess-	:	No data available				
Repr	oductive toxicity						
May	damage the unborn chil	d. Sı	uspected of damag	ing fertility.			
<u>Com</u>	ponents:						
Whit	e mineral oil (petroleu	m):					
Effec	ts on fertility	:	Test Type: One- <u>c</u> Species: Rat Application Route Result: negative	generation reproduction toxicity study e: Skin contact			



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Ef	fects on fetal development	:	Test Type: Embr Species: Rat Application Rout Result: negative	yo-fetal development e: Ingestion
	otrimazole: fects on fertility	:	Species: Rat Application Rout	50 mg/kg body weight
Ef	fects on fetal development	:	Species: Rat Application Rout Developmental 1	yo-fetal development e: Oral oxicity: LOAEL: 100 mg/kg body weight fetal toxicity., No teratogenic effects.
			Species: Rat Application Rout Developmental 7	yo-fetal development e: Oral oxicity: NOAEL: 50 mg/kg body weight fetal toxicity., No teratogenic effects.
			Species: Mouse Application Rout Developmental	yo-fetal development e: Oral oxicity: NOAEL: 200 mg/kg body weight s on fetal development.
			Species: Rabbit Application Rout Developmental	yo-fetal development e: Oral Foxicity: NOAEL: 180 mg/kg body weight is on fetal development.
	eproductive toxicity - As- essment	:	fertility, based or	of adverse effects on sexual function and a animal experiments., Some evidence of on development, based on animal
G	entamicin:			
-	fects on fertility	:	Species: Rat Fertility: NOAEL	generation reproduction toxicity study 20 mg/kg body weight icant adverse effects were reported
Ef	fects on fetal development	:	Species: Rabbit	yo-fetal development ⁻ oxicity: NOAEL: 3.6 mg/kg body weight yo-fetal toxicity.

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				Species: Rat Application Route	xicity: LOAEL: 75 mg/kg body weight		
				Test Type: Embryo-fetal development Species: Mouse Application Route: Intraperitoneal Developmental Toxicity: LOAEL: 10 mg/kg body weight Result: Fetal mortality., No malformations were observed. Test Type: Embryo-fetal development Species: Rat Application Route: Intraperitoneal Developmental Toxicity: LOAEL: 50 mg/kg body weight Result: Fetal mortality., No malformations were observed.			
	Reprod sessme	uctive toxicity - As- ent	÷	Positive evidence human epidemiolo	of adverse effects on development from ogical studies.		
	Betame	ethasone:					
	Effects	on fetal development	:		: Intramuscular xicity: LOAEL: 0.05 mg/kg body weight y., Malformations were observed.		
				•	: Subcutaneous xicity: LOAEL: 0.42 mg/kg body weight ons were observed.		
					: Intramuscular xicity: LOAEL: 1 mg/kg body weight ons were observed.		
	Reprod sessme	uctive toxicity - As- ent	:	Clear evidence of animal experiment	adverse effects on development, based on ts.		

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Causes damage to organs (Pituitary gland, Immune system, muscle, thymus gland, Blood, Adrenal gland) through prolonged or repeated exposure.

May cause damage to organs (Liver, Kidney, Adrenal gland) through prolonged or repeated exposure if swallowed.



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<u>Com</u>	ponents:		
Targe	mazole: et Organs ssment		r, Adrenal gland amage to organs through prolonged or repeated
Targe	amicin: et Organs ssment	: Kidney, innel : Causes dam exposure.	r ear age to organs through prolonged or repeated
Targe	nethasone: et Organs ssment	Adrenal glan	id, Immune system, muscle, thymus gland, Blood, d age to organs through prolonged or repeated
Repe	ated dose toxicity		
Com	ponents:		
White	e mineral oil (petrole	um):	
		: Rat : 160 mg/kg : Ingestion : 90 Days	
	EL cation Route sure time	: 4 Weeks	ust/mist/fume) Guideline 412
Speci LOAE Applic Expos	EL cation Route sure time et Organs	: Rabbit : 5 - 40 mg/kg : Skin contact : 3 Weeks : Skin : Edema, Fiss	uring, Necrosis, Redness
Expo		: Rat : 10 mg/kg : Oral : 18 Months : Liver, Kidney	r, Adrenal gland
Speci LOAE Applie		: Dog : 25 mg/kg : Oral	



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	ure time Organs oms	: 6 - 12 Months : Adrenal gland : Salivation, Lachr	ymation, Vomiting
Expos Target Sympt Specie LOAEI Applica Expos	es - ation Route ure time Organs oms	 Dog 3 mg/kg Intramuscular 12 Months Kidney Vomiting, Salivat Monkey 50 mg/kg Subcutaneous 3 Weeks Kidney, inner ear 	
Expos		: Monkey : 6 mg/kg : Intramuscular : 3 Weeks : Blood, Kidney, in	ner ear, Liver
Expos	L	: Rat : 5 mg/kg : 10 mg/kg : Intramuscular : 52 Weeks : Kidney, Blood	
Expos	L	: Rat : 12.5 mg/kg : 50 mg/kg : Intramuscular : 13 Weeks : Kidney	
Specie LOAEI Applica Expos		: Rabbit : 0.05 % : Skin contact : 10 - 30 d : Pituitary gland, Ir	mmune system, muscle
Expos		: Rat : 0.05 % : Skin contact : 8 Weeks : thymus gland	
Specie	9S	: Mouse	



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Expos	L cation Route sure time t Organs	:	0.1 % Skin contact 8 Weeks thymus gland	
Expos		:	Dog 0.05 mg/kg Oral 28 d Blood, thymus gla	ind, Adrenal gland
Not cl	ation toxicity assified based on availa rience with human exp			
-	oonents:			
clotri	mazole:			
Skin o Ingest	contact tion	:		Itching, Blistering, Edema, Redness minal pain, Nausea, Vomiting, Diarrhea
	amicin:			
Inges	tion	•	Target Organs: K Target Organs: in Symptoms: Dizzir deafness	
Betar	nethasone:			
Inhala Skin o	ation contact	:	Target Organs: A Symptoms: Redn	drenal gland ess, pruritis, Irritation
SECTION	12. ECOLOGICAL INFO	ORN	IATION	
Ecoto	oxicity			
Comp	oonents:			
White	e mineral oil (petroleun	า):		
Toxici	ity to fish	:	LC50 (Oncorhync Exposure time: 96 Method: OECD T	
	ty to daphnia and other ic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD T	
Toxici plants	ty to algae/aquatic	:	NOEC (Pseudokin mg/l Exposure time: 72 Method: OECD T	
Toxici icity)	ity to fish (Chronic tox-	:	NOEC (Oncorhyn Exposure time: 28	chus mykiss (rainbow trout)): 1,000 mg/l 3 d



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aqua	city to daphnia and other ttic invertebrates (Chron- kicity)		NOEC (Daphnia r Exposure time: 21	nagna (Water flea)): 1,000 mg/l I d
	imazole: city to fish	:	LC50 (Brachydan Exposure time: 96 Method: OECD Te	
	city to daphnia and other tic invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): 0.02 mg/l 3 h
Toxic plant	city to algae/aquatic s	:	EC50 (Desmodes Exposure time: 72	mus subspicatus (green algae)): 0.268 mg/l 2 h
			NOEC (Desmode Exposure time: 72	smus subspicatus (green algae)): 0.017 mg/l 2 h
Toxic icity)	city to fish (Chronic tox-	:	NOEC (Oncorhyn Exposure time: 32 Method: OECD To	
aqua	city to daphnia and other tic invertebrates (Chron- kicity)	:	NOEC (Daphnia r Exposure time: 21 Method: OECD Te	
Toxid	city to microorganisms	:	EC50: > 10,000 m Exposure time: 3 Test Type: Respir Method: OECD To	h ation inhibition
Gent	tamicin:			
	city to daphnia and other tic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
			LC50 (Americamy Exposure time: 96 Method: US-EPA	
Toxic plant	city to algae/aquatic s	:	EC50 (Pseudokiro Exposure time: 72 Method: OECD To	
			NOEC (Pseudokin µg/l Exposure time: 72 Method: OECD Te	
			EC50 (Anabaena Exposure time: 72 Method: OECD To	



NOEC (Anabaena flos-aquae (cyanobacterium)): 1.6 (Exposure time: 72 h Method: OECD Test Guideline 201 Toxicity to microorganisms : <td::< td=""> : : :</td::<>	
Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209 Betamethasone: Toxicity to daphnia and other aquatic invertebrates Toxicity to algae/aquatic plants : EC50 (Americamysis): > 50 mg/l Exposure time: 96 h Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)) mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility. NOEC (Pseudokirchneriella subcapitata (green algae) mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility. Toxicity to fish (Chronic tox- icity) : NOEC (Pimephales promelas (fathead minnow)): 0.05 Exposure time: 32 d Method: OECD Test Guideline 210 NOEC (Oryzias latipes (Japanese medaka)): 0.07 µg/l Exposure time: 219 d Method: OECD Test Guideline 229 Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity) : Persistence and degradability Components: White mineral oil (petroleum): Biodegradability : Result: Not readily biodegradable.	g/l
Toxicity to daphnia and other aquatic invertebratesEC50 (Americamysis): > 50 mg/l Exposure time: 96 hToxicity to algae/aquatic plants:EC50 (Pseudokirchneriella subcapitata (green algae)) mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility.NOEC (Pseudokirchneriella subcapitata (green algae) mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility.Toxicity to fish (Chronic tox- icity):NOEC (Pseudokirchneriella subcapitata (green algae) mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility.Toxicity to fish (Chronic tox- icity):NOEC (Pimephales promelas (fathead minnow)): 0.05 Exposure time: 32 d Method: OECD Test Guideline 210 NOEC (Oryzias latipes (Japanese medaka)): 0.07 µg/l Exposure time: 219 d Method: OECD Test Guideline 229Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity):NOEC (Daphnia magna (Water flea)): 8 mg/l Exposure time: 21 d Method: OECD Test Guideline 211Persistence and degradabilityComponents: White mineral oil (petroleum): Biodegradability:Result: Not readily biodegradable.	
Toxicity to daphnia and other aquatic invertebratesEC50 (Americamysis): > 50 mg/l Exposure time: 96 hToxicity to algae/aquatic plants:EC50 (Pseudokirchneriella subcapitata (green algae)) mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility.NOEC (Pseudokirchneriella subcapitata (green algae) mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility.Toxicity to fish (Chronic tox- icity):NOEC (Pseudokirchneriella subcapitata (green algae) mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility.Toxicity to fish (Chronic tox- icity):NOEC (Pimephales promelas (fathead minnow)): 0.05 Exposure time: 32 d Method: OECD Test Guideline 210 NOEC (Oryzias latipes (Japanese medaka)): 0.07 µg/l Exposure time: 219 d Method: OECD Test Guideline 229Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity):NOEC (Daphnia magna (Water flea)): 8 mg/l Exposure time: 21 d Method: OECD Test Guideline 211Persistence and degradabilityComponents: White mineral oil (petroleum): Biodegradability:Result: Not readily biodegradable.	
plants mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility. NOEC (Pseudokirchneriella subcapitata (green algae) mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility. NOEC (Pseudokirchneriella subcapitata (green algae) mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility. NOEC (Pimephales promelas (fathead minnow)): 0.05 Exposure time: 32 d Method: OECD Test Guideline 210 NOEC (Oryzias latipes (Japanese medaka)): 0.07 µg/l Exposure time: 219 d Method: OECD Test Guideline 229 NOEC (Daphnia magna (Water flea)): 8 mg/l Exposure time: 21 d Method: OECD Test Guideline 211 Persistence and degradability Exposure time: 21 d Method: OECD Test Guideline 211 Method: OECD Test Guideline 211 Persistence and degradability Exposure time: 21 d Mite mineral oil (petroleum): Biodegradability Biodegradability : Result: Not readily biodegradable.	
mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility. Toxicity to fish (Chronic tox-icity) : NOEC (Pimephales promelas (fathead minnow)): 0.05 Exposure time: 32 d Method: OECD Test Guideline 210 NOEC (Oryzias latipes (Japanese medaka)): 0.07 µg/l Exposure time: 219 d Method: OECD Test Guideline 229 Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) NOEC (Daphnia magna (Water flea)): 8 mg/l Exposure time: 21 d Method: OECD Test Guideline 211 Persistence and degradability Components: White mineral oil (petroleum): Biodegradability : Result: Not readily biodegradable.	> 34
 icity) Exposure time: 32 d Method: OECD Test Guideline 210 NOEC (Oryzias latipes (Japanese medaka)): 0.07 µg/l Exposure time: 219 d Method: OECD Test Guideline 229 Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity) NOEC (Daphnia magna (Water flea)): 8 mg/l Exposure time: 21 d Method: OECD Test Guideline 211 Persistence and degradability Components: White mineral oil (petroleum): Biodegradability Result: Not readily biodegradable. 	: 34
Exposure time: 219 d Method: OECD Test Guideline 229 Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity) : NOEC (Daphnia magna (Water flea)): 8 mg/l Exposure time: 21 d Method: OECD Test Guideline 211 Persistence and degradability : Method: OECD Test Guideline 211 Versistence and degradability : Result: Not readily biodegradable.	2 mg/l
aquatic invertebrates (Chron- ic toxicity) Exposure time: 21 d Method: OECD Test Guideline 211 Persistence and degradability Components: White mineral oil (petroleum): Result: Not readily biodegradable.	
Components: White mineral oil (petroleum): Biodegradability : Result: Not readily biodegradable.	
White mineral oil (petroleum): Biodegradability : Result: Not readily biodegradable.	
Biodegradability : Result: Not readily biodegradable.	
Biodegradability : Result: Not readily biodegradable.	
Exposure time: 28 d	
clotrimazole:	
Stability in water : Hydrolysis: 50 %(242 d)	
Gentamicin:	



Clotrimazole / Gentamicin / Betamethasone (0.1%) Formulation

Version 5.10	Revision Date: 30.09.2023		DS Number:)8849-00020	Date of last issue: 04.04.2023 Date of first issue: 22.07.2016
Biode	Biodegradability		Result: rapidly de Biodegradation: Exposure time: 2 Method: OECD T	100 %
Bioac	cumulative potential			
Comp	onents:			
Partitio	micin: on coefficient: n- ol/water	:	log Pow: < -2	
Partitio	nethasone: on coefficient: n- ol/water	:	log Pow: 2.11	
	i ty in soil ta available			
•	adverse effects ta available			

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	:	Do not dispose of waste into sewer. Dispose of in accordance with local regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG UN number Proper shipping name	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Class Packing group Labels Environmentally hazardous	:	(clotrimazole, Gentamicin) 9 III 9 yes
IATA-DGR UN/ID No. Proper shipping name Class Packing group Labels Packing instruction (cargo		UN 3082 Environmentally hazardous substance, liquid, n.o.s. (clotrimazole, Gentamicin) 9 III Miscellaneous 964



Clotrimazole / Gentamicin / Betamethasone (0.1%) Formulation

Vers 5.10		Revision Date: 30.09.2023		DS Number: 8849-00020	Date of last issue: 04.04.2023 Date of first issue: 22.07.2016
	ger airc	g instruction (passen-	:	964 yes	
	IMDG- UN nur	Code	:	UN 3082	ALLY HAZARDOUS SUBSTANCE, LIQUID,
	Labels EmS C	g group ode pollutant	::	9 III 9 F-A, S-F yes	
	•	ort in bulk according			OL 73/78 and the IBC Code
		stic regulation	sup	pileu.	
	NOM-0 UN nur Proper Class	02-SCT	:	UN 3082 ENVIRONMENTA N.O.S. (clotrimazole, Ge 9 III	ALLY HAZARDOUS SUBSTANCE, LIQUID, entamicin)
		I precautions for use	r	9	
	The tra based Sheet.	nsport classification(s) upon the properties of	pro the catio	unpackaged mater	or informational purposes only, and solely ial as it is described within this Safety Data ode of transportation, package sizes, and
SEC	TION 1	5. REGULATORY INF	OR	MATION	
	Safety, mixtur		nent	al regulations/leg	islation specific for the substance or
	Federal Law for the control of chemical precursors, : Not applicable essential chemical products and machinery for producing capsules, tablets and pills.				
	The ing AICS	gredients of this prod	luct :	are reported in the not determined	ne following inventories:

DSL : not determined

IECSC	:	not determined
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SECTION 16. OTHER INFORMATION



Clotrimazole / Gentamicin / Betamethasone (0.1%) Formulation

Version 5.10	Revision Date: 30.09.2023		DS Number: 8849-00020	Date of last issue: 04.04.2023 Date of first issue: 22.07.2016
	ion Date format	:	30.09.2023 dd.mm.yyyy	
Full to	ext of other abbreviati	ons		
ACGI NOM-	H 010-STPS-2014		Mexico. Norm NC the Work Environ	eshold Limit Values (TLV) DM-010-STPS-2014 on Chemicals Polluting ment - Identification, Assessment and Con-
	H / TWA 010-STPS-2014 / VLE-		8-hour, time-weig	

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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

The information is considered as correct, but not exhaustive, and will be used only as a guide, which is based in the current knowledge of the substance or mixture, and is applicable to proper safety precautions for the product.



Clotrimazole / Gentamicin / Betamethasone (0.1%) Formulation

 Version
 Revision Date:
 SDS Number:
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 5.10
 30.09.2023
 808849-00020
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Date of last issue: 04.04.2023 Date of first issue: 22.07.2016

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