

Vers 9.0	ion	Revision Date: 06.07.2024		9S Number: 3922-00025	Date of last issue: 01.05.2024 Date of first issue: 07.01.2016		
SEC	SECTION 1. IDENTIFICATION						
	Product name		:	Prednisolone / N	leomycin / Tetracycline / Bacitracin Formulation		
	Manufa	acturer or supplier's	deta	ils			
	Company		:	MSD			
	Address		:	Talcahuano 750, 6th floor, Ciudad Autonoma Buenos Aires, Argentina C1013AAP			
	Telephone		:	908-740-4000			
	Emergency telephone		:	1-908-423-6000			
	E-mail	address	:	EHSDATASTEV	VARD@msd.com		
	Recom	nmended use of the o	chem	nical and restricti	ons on use		
Recommended use Restrictions on use		:	Veterinary produ Not applicable	ict			

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification		
Skin sensitization	:	Category 1
Reproductive toxicity	:	Category 1A
Effects on or via lactation		
Short-term (acute) aquatic hazard	:	Category 1
Long-term (chronic) aquatic hazard	:	Category 1
GHS label elements Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	H317 May cause an allergic skin reaction. H360D May damage the unborn child. H362 May cause harm to breast-fed children. H410 Very toxic to aquatic life with long lasting effects.



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Preca	utionary Statements	P202 Do not h and understoo P261 Avoid br P263 Avoid co P264 Wash sk P270 Do not e P272 Contami the workplace. P273 Avoid re	eathing mist or vapors. Intact during pregnancy and while nursing. In thoroughly after handling. at, drink or smoke when using this product. Inated work clothing should not be allowed out of lease to the environment. Detective gloves/ protective clothing/ eye protec-
		P308 + P313 I attention. P333 + P313 I vice/ attention.	Take off contaminated clothing and wash it before
		Storage: P405 Store loo	sked up.
		Disposal:	of contents/ container to an approved waste

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

:

Substance /	Mixturo	Mixture
Substance /	wixture	wixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
White mineral oil (petroleum)	8042-47-5	>= 70 -< 90
Neomycin, sulfate (salt)	1405-10-3	>= 3 -< 5
Magnesium stearate	557-04-0	>= 1 -< 5
Tetracycline hydrochloride	64-75-5	>= 1 -< 2,5
Bacitracin	1405-87-4	>= 0,25 -< 1
prednisolone	50-24-8	>= 0,1 -< 0,25

SECTION 4. FIRST AID MEASURES

General advice

In the case of accident or if you feel unwell, seek medical advice immediately.



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				When symptoms advice.	persist or in all cases of doubt seek medical
I	lf inhale	ed	:	If inhaled, remove	
				Get medical atten	tion.
I	In case	of skin contact	:	of water.	t, immediately flush skin with soap and plenty
					nated clothing and shoes.
				Get medical atten	
				Wash clothing be	
				Thoroughly clean	shoes before reuse.
I	In case of eye contact		:	Flush eyes with w	ater as a precaution.
				Get medical atten	tion if irritation develops and persists.
	lf swalle	owed	:	If swallowed, DO	NOT induce vomiting.
				Get medical atten	tion.
				Rinse mouth thore	oughly with water.
	Most important symptoms		:		ergic skin reaction.
ä	and eff	ects, both acute and		May damage the	unborn child.
	delayed				to breast-fed children.
I	Protect	ion of first-aiders	:	and use the recor	ers should pay attention to self-protection, nmended personal protective equipment Il for exposure exists (see section 8).
I	Notes t	o physician	:	Treat symptomati	cally and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
Specific hazards during fire fighting	:	Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides Nitrogen oxides (NOx) Chlorine compounds Metal oxides
Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment for fire-fighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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.



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		Prevent spread oil barriers). Retain and dis	r leakage or spillage if safe to do so. ding over a wide area (e.g., by containment or pose of contaminated wash water. es should be advised if significant spillages tained.
Methods and materials for containment and cleaning up		For large spills containment to can be pumpe container. Clean up rema absorbent. Local or natior disposal of this employed in th determine white Sections 13 ar	hert absorbent material. s, provide diking or other appropriate b keep material from spreading. If diked material d, store recovered material in appropriate anining materials from spill with suitable hal regulations may apply to releases and s material, as well as those materials and items the cleanup of releases. You will need to ch regulations are applicable. hd 15 of this SDS provide information regarding r national requirements.

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	:	Avoid contact during pregnancy and while nursing. 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.
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



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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of	Control parame- ters / Permissible	Basis		
		exposure)	concentration			
White mineral oil (petroleum)	8042-47-5	CMP (Mist)	5 mg/m ³	AR OEL		
		CMP - CPT	10 mg/m ³	AR OEL		
		(Mist)				
		TWA	5 mg/m³	ACGIH		
		(Inhalable				
		particulate				
		matter)				
Neomycin, sulfate (salt)	1405-10-3	TWA	1 mg/m3 (OEB 1)	Internal		
	Further inform	ation: DSEN, OT				
		Wipe limit	0.1 mg/100 cm ²	Internal		
Magnesium stearate	557-04-0	CMP	10 mg/m ³	AR OEL		
	Further information: A4 - Not classifiable as a human carcinogen					
		TWA	10 mg/m ³	ACGIH		
		(Inhalable				
		particulate				
		matter)				
		TWA	3 mg/m ³	ACGIH		
		(Respirable				
		particulate				
		matter)				
Tetracycline hydrochloride	64-75-5	TWA	0.9 mg/m3 (OEB	Internal		
			2)			
Bacitracin	1405-87-4	TWA	4 mg/m3 (OEB 1)	Internal		
	Further inform	ation: DSEN, RS				
		Wipe limit	0.1 mg/100 cm ²	Internal		
prednisolone	50-24-8	TWA	10 µg/m3 (OEB 3)	Internal		
		Wipe limit	100 µg/100 cm ²	Internal		

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.
Containment technologies suitable for controlling compounds
are required to control at source and to prevent migration of
the compound to uncontrolled areas (e.g., open-face
containment devices).
Minimize open handling.Personal protective equipment

Respiratory protection	:	If adequate local exhaust ventilation is not available or
		exposure assessment demonstrates exposures outside the
		recommended guidelines, use respiratory protection.
Filter type	:	Combined particulates and organic vapor type



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Hand	protection						
Ma	aterial	: Chemical-res	istant gloves				
	emarks protection	: Wear safety of If the work en mists or aeros Wear a faces	 Consider double gloving. 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. 				
Skin a	and body protection	Additional boo task being pe disposable su Use appropria	: Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing.				
Hygiene measures :		: If exposure to eye flushing s working place When using o Contaminated workplace. Wash contam The effective engineering o appropriate d industrial hyg	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. Contaminated work clothing should not be allowed out of the workplace. 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.				

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	oily, suspension
Color	:	No data available
Odor	:	No data available
Odor Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	No data available



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		explosion limit / Upper ability limit	:	No data available	
		explosion limit / Lower ability limit	:	No data available	9
	Vapor _I	oressure	:	No data available)
	Relativ	e vapor density	:	No data available)
	Relativ	e density	:	No data available	9
	Density	/	:	No data available)
	Solubili Wat	ity(ies) ter solubility	:	No data available)
	Partitio octanol	n coefficient: n-	:	Not applicable	
		nition temperature	:	No data available)
	Decom	position temperature	:	No data available	
	Viscosi Visc	ty cosity, kinematic	:	No data available	
	Explosi	ive properties	:	Not explosive	
	Oxidizi	ng properties	:	The substance of	r mixture is not classified as oxidizing.
	Molecu	ılar weight	:	No data available	9
	Particle Particle	e characteristics e size	:	Not applicable	

SECTION 10. STABILITY AND REACTIVITY

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

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of	:	Inhalation
exposure		Skin contact



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			Ingestion Eye contact				
Acute	e toxicity						
Not cl	assified based on availa	ble	information.				
Produ	uct:						
Acute	oral toxicity	:	Acute toxicity estimate: > 5.000 mg/kg Method: Calculation method				
<u>Comp</u>	oonents:						
White	e mineral oil (petroleum	ı):					
Acute	oral toxicity	:	LD50 (Rat): > 5	5.000 mg/kg			
Acute	inhalation toxicity	:	LC50 (Rat): > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inha tion toxicity				
Acute	dermal toxicity	:	LD50 (Rabbit): > 2.000 mg/kg Assessment: The substance or mixture has no acute derm toxicity				
Neom	nycin, sulfate (salt):						
Acute	oral toxicity	:	LD50 (Mouse):	2.880 mg/kg			
			LD50 (Rat): 2.7	750 mg/kg			
	toxicity (other routes of histration)	:		3 mg/kg ute: Subcutaneous			
			LD50 (Mouse): Application Ro	116 mg/kg ute: Intraperitoneal			
			LD50 (Mouse): Application Ro	27,6 mg/kg ute: Intravenous			
			LD50 (Mouse): Application Ro	275 mg/kg ute: Subcutaneous			
Magn	esium stearate:						
-	oral toxicity	:	LD50 (Rat): > 2.000 mg/kg Method: OECD Test Guideline 423 Assessment: The substance or mixture has no acute oral to icity Remarks: Based on data from similar materials				
Acute	dermal toxicity	:	LD50 (Rabbit): Remarks: Base	> 2.000 mg/kg ed on data from similar materials			



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	Tetracy	cline hydrochloride:			
	-	ral toxicity	:	LD50 (Rat): 6.443	mg/kg
				LD50 (Mouse): 2.7	759 mg/kg
	Acute to adminis	oxicity (other routes of stration)	:	LD50 (Rat): 128 m Application Route:	
				LD50 (Mouse): 15 Application Route:	
	Bacitra	cin:			
	Acute o	ral toxicity	:	LD50 (Mouse): > 2 Remarks: Based o	2.000 mg/kg on data from similar materials
	prednis	solone:			
	Acute o	ral toxicity	:	LD50 (Mouse): 1.6	680 mg/kg
				LD50 (Rat): > 3.85	57 mg/kg
	Acute ir	nhalation toxicity	:	Remarks: No data	available
	Acute d	ermal toxicity	:	Remarks: No data	available
	Acute to adminis	oxicity (other routes of stration)	:	LD50 (Rat): 147 m Application Route:	
				LD50 (Mouse): 76 Application Route:	
		orrosion/irritation ssified based on availa	ble	information.	
	Compo				
	White r	nineral oil (petroleum	n):		
	Species Result	3	:	Rabbit No skin irritation	
	Neomy	cin, sulfate (salt):			
	Species Result	3	:	Rabbit Mild skin irritation	
	Magnes Species Result Remark		:	Rabbit No skin irritation	m similar materials
	Nemark		•	Dased off data ITO	III SIIIIIIAI IIIAIEIIAIS

Tetracycline hydrochloride:



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Rema	rks	: No data available	
predr	nisolone:		
Rema	irks	: No data available	
	us eye damage/eye assified based on ava		
<u>Comp</u>	oonents:		
White	mineral oil (petrole	um):	
Speci		: Rabbit	
Resul	t	: No eye irritation	
Neom	ycin, sulfate (salt):		
Speci		: Rabbit	
Resul	t	: No eye irritation	
Magn	esium stearate:		
Speci		: Rabbit	
Resul		: No eye irritation	
Rema	IIKS	: Based on data from similar materials	
Tetra	cycline hydrochlorid	e:	
Rema	irks	: No data available	
predr	nisolone:		
Rema		: No data available	
Resp	iratory or skin sensi	ization	
	sensitization		
	ause an allergic skin	reaction.	
-	iratory sensitization	ilable information	
	assified based on ava	liable information.	
-	oonents:		
	e mineral oil (petrole	•	
Test T	ype s of exposure	: Buehler Test : Skin contact	
Speci		: Guinea pig	
Resul		: negative	
Neom	iycin, sulfate (salt):		
	es of exposure	: Dermal	
Speci	es	: Humans	
Resul	t	: positive	



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nesiu	sium stearate:							
Туре		:	Maximization Tes	st				
	of exposure	:	: Skin contact					
cies		:	: Guinea pig					
od		:	OECD Test Guid	leline 406				
ılt		:	negative					
arks	S	:	Based on data fro	om similar materials				
acycli	cline hydrochlorid	de:						
arks	S	:	No data available	9				
tracin	cin:							
Туре	ne		Human repeat in	sult patch test (HRIPT)				
	of exposure	÷	Skin contact					
ult	•	:	positive					
essmei	nent	:	Probability or evi	dence of skin sensitization in humans				
nisolo	solone:							
arks	S	:	No data available	9				
	ssified based on ava nents:	aliadie	information.					
e min	nineral oil (petrole	um):						
otoxici	xicity in vitro	:	Test Type: In vitr Result: negative	o mammalian cell gene mutation test				
otoxici	xicity in vivo	:	cytogenetic assa	malian erythrocyte micronucleus test (in vivo y)				
			Species: Mouse	e. Introperitor colligio ation				
				e: Intraperitoneal injection Fest Guideline 474				
			Result: negative					
				on data from similar materials				
mycin	cin, sulfate (salt):							
-	xicity in vitro	•	Test Type: Bacte	erial reverse mutation assay (AMES)				
		•	Result: negative					
			Test Type: In vitr	o mammalian cell gene mutation test				
			Result: negative	······································				
			Test Type: Chror	nosomal aberration				
				man lymphocytes				
			Result: positive					
			Test system: Chi Result: negative Test Type: Chron Test system: Hur					



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			Test Type: in vitro Result: negative	o micronucleus test	
Ge	notoxicity in vivo	:	Test Type: Cytoge Species: Mouse Cell type: Bone m Application Route Result: negative	-	
Ма	gnesium stearate:				
	notoxicity in vitro	:	: Test Type: In vitro mammalian cell gene mutatic Result: negative Remarks: Based on data from similar materials		
			Method: OECD To Result: negative	nosome aberration test in vitro est Guideline 473 on data from similar materials	
			Result: negative	rial reverse mutation assay (AMES) on data from similar materials	
Tet	racycline hydrochloride:				
	notoxicity in vitro	:	Test Type: Bacter Result: negative	ial reverse mutation assay (AMES)	
			Test Type: Cytoge Test system: Chir Result: negative	enetic assay nese hamster ovary cells	
			Test Type: sister Result: negative	chromatid exchange assay	
			Test Type: Mouse Result: negative	e Lymphoma	
Ba	citracin:				
	notoxicity in vitro	:	Result: negative	rial reverse mutation assay (AMES) on data from similar materials	
			Result: negative	o mammalian cell gene mutation test on data from similar materials	
			Result: negative	nosome aberration test in vitro on data from similar materials	



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pred	nisolone:						
-	ptoxicity in vitro	: Test Type: Ba Result: negati	cterial reverse mutation assay (AMES) ve				
		Test Type: Mo Result: negati	ouse Lymphoma ve				
		Test Type: sis Result: negati	ter chromatid exchange assay ve				
Genc	otoxicity in vivo	: Test Type: Ma cytogenetic as Species: Rat Application Ro Result: negati	oute: Oral				
		Test Type: sis Species: Hum Result: negati					
Carc	inogenicity						
	lassified based on ava	ailable information.					
<u>Com</u>	ponents:						
Whit	e mineral oil (petrole	um):					
Spec		: Rat					
	cation Route	: Ingestion					
Expo Resu	sure time It	: 24 Months : negative					
Neor	nycin, sulfate (salt):						
Spec		: Rat					
Expo	sure time	: 2 Years					
Resu	llt	: negative					
Tetra	acycline hydrochlorid	le:					
Spec		: Rat					
Appli	cation Route	: Oral					
	sure time	: 103 W					
Resu	III	: negative					
Spec		: Mouse					
	cation Route sure time	: Oral : 103 W					
Resu		: negative					
nred	nisolone:						
Spec		: Rat					
Appli	cation Route	: Oral					
Expo	sure time	: 18 Months	: 18 Months				



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Resu	ılt	:	negative	
May	oductive toxicity damage the unborn child cause harm to breast-feo		ildren.	
<u>Com</u>	ponents:			
Whit	e mineral oil (petroleun	n):		
Effec	ts on fertility	:	Test Type: One-g Species: Rat Application Route Result: negative	eneration reproduction toxicity study : Skin contact
Effec	ts on fetal development	:	Test Type: Embry Species: Rat Application Route Result: negative	o-fetal development : Ingestion
Neor	nycin, sulfate (salt):			
	ets on fertility	:	Species: Rat Application Route General Toxicity I	Parent: NOAEL: 25 mg/kg body weight
Effec	ts on fetal development	:	Species: Rat Application Route Embryo-fetal toxic	ro-fetal development : Oral city.: NOAEL: 275 mg/kg body weight se effects., No teratogenic effects.
			Test Type: Develor Species: Rat Application Route Developmental To Result: positive	
Repr sess	oductive toxicity - As- ment	:	Some evidence o animal experimer	f adverse effects on development, based on ts.
Масі	nesium stearate:			
-	ts on fertility	:	reproduction/deve Species: Rat Application Route Method: OECD T Result: negative	
Effec	ts on fetal development	:	Test Type: Embry	o-fetal development



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			Species: Rat Application Route Result: negative Remarks: Based	: Ingestion on data from similar materials
Tetra	cycline hydrochloride:			
Effec	ts on fertility	:	Test Type: Fertilit Species: Rat Application Route Fertility: NOAEL: Result: No effects	: Oral 400 mg/kg body weight
Effec	ts on fetal development	:	Test Type: Develo Result: Embryo-fe malities., Skeletal	etal toxicity., Specific developmental abnor-
Repression Repres	oductive toxicity - As- nent	:		a hazard to babies during the lactation age the unborn child.
Bacit	tracin:			
Effec	ts on fertility	:	Species: Rat Application Route Result: negative	y/early embryonic development : Ingestion on data from similar materials
Effec	ts on fetal development	:	Species: Rat Application Route Result: negative	ro-fetal development : Ingestion on data from similar materials
pred	nisolone:			
Effec	ts on fertility	:	Species: Rat Application Route	1 mg/kg body weight
Effec	ts on fetal development	:	Species: Mouse Application Route Developmental To	ro-fetal development : Oral oxicity: LOAEL: 0,5 mg/kg body weight ions were observed., Cleft palate
			Species: Rat Application Route	oxicity: LOAEL: 30 mg/kg body weight



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		Developmen	Route: Subcutaneous tal Toxicity: NOAEL: 25 mg/kg body weight fects on fetal development.
Repro sessm	oductive toxicity - As- nent	: Some eviden animal exper	ice of adverse effects on development, based or iments.
	-single exposure assified based on avail	able information.	
STOT	-repeated exposure		
Not cl	assified based on avail	able information.	
Comp	oonents:		
Neom	ycin, sulfate (salt):		
	t Organs	: Kidney, inner	
Asses	ssment	: May cause d exposure.	amage to organs through prolonged or repeated
Rema	ırks		man experience.
Tetra	cycline hydrochloride	:	
	es of exposure	: Oral	
-	t Organs ssment		nal tract, Nervous system, Skin, Teeth amage to organs through prolonged or repeated
Bacit	racin:		
Asses	ssment		t health effects observed in animals at concentr ng/kg bw or less.
predr	nisolone:		
	t Organs ssment		 Adrenal gland, Liver age to organs through prolonged or repeated
Repe	ated dose toxicity		
<u>Comp</u>	oonents:		
White	e mineral oil (petroleu	n):	
Speci		: Rat	
LOAE Applic	L cation Route	: 160 mg/kg : Ingestion	
	sure time	: 90 Days	
Speci		: Rat	
		: >= 1 mg/l	ist/mist/filme)
	cation Route sure time	: Innalation (du	ust/mist/fume)



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Meth	od	:	OECD Test Guide	eline 412
Spec LOAI Appli Expc	EL ication Route osure time		Mouse 30 mg/kg Subcutaneous 14 d	
Spec NOA LOAI Appli Expo	EL		Kidney Guinea pig 50 mg/kg 100 mg/kg Intramuscular 30 - 60 Weeks ear	
	EL ication Route osure time		Guinea pig 10 mg/kg Oral 90 d No significant adv	verse effects were reported
			Guinea pig 100 mg/kg Subcutaneous 34 d	
Expo			Dog 24 mg/kg Intramuscular 30 d Kidney	
Expo Targ	EL ication Route osure time et Organs ptoms		Rat 25 mg/kg oral (feed) 84 Weeks ear hearing loss mortality observed	d
Expo			Dog 20 mg/kg Subcutaneous 90 d Kidney	
Spec NOA Appli		: : :	Rat > 100 mg/kg Ingestion 90 Days	



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Rema	arks	:	Based on data	from similar materials
Tetra	cycline hydrochlori	de:		
Spec	ies	:	Rat	
NOAI		:	625 mg/kg	
LOAE		:	1.250 mg/kg	
	cation Route sure time	÷	oral (feed) 13 W	
	et Organs	:	Liver	
Symp		:	Reduced body	weight
Spec		:	Mouse	
NOA		:	3.750 mg/kg	
LOAE	L Cation Route	÷	7.500 mg/kg oral (feed)	
	sure time		13 W	
Symp		:	Reduced body	weight
Bacit	racin:			
Spec	ies	:	Rat	
LÖAE		:	> 10 mg/kg	
	cation Route	:	Ingestion	
	sure time	:	13 Weeks	frame similar restarials
Rema	arks	:	Based on data	from similar materials
-	nisolone:			
Spec		:	Rat	
LOAE		÷	0,6 mg/kg	
	cation Route sure time		Oral 63 Days	
	et Organs	:	Bone marrow	
Spec		:	Dog	
LOAE		:	2,5 mg/kg	
	cation Route	:	Oral 6 Weeks	
	sure time et Organs	:	Adrenal gland	
Spec		:	Rabbit	
LOAE		:	1 mg/kg	
	cation Route	:	Oral	
	sure time et Organs		24 Weeks Liver	
iaiye		•		
Aspii	ration toxicity			
Not c	lassified based on av	ailable	information.	
_				

Components:

Tetracycline hydrochloride:

Not applicable



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Expe	rience with human e	exposure	
Com	ponents:		
Neon	nycin, sulfate (salt):		
	contact contact stion		 / irritate skin. / cause eye irritation. ausea, Vomiting, Diarrhea, tinnitus, hearing loss,
Tetra	cycline hydrochlorid	le:	
Inges	stion	Diarrhea, Live fects Remarks: May	astrointestinal disturbance, Nausea, Vomiting, r effects, skin rash, central nervous system ef- v cause sensitization of susceptible persons. otosensitization.
predi	nisolone:		
Inges	stion		dium retention, Headache, Vertigo, fluid reten- eous bleeding, striae, skin atrophy, menstrual

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

White mineral oil (petroleum):	
Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	NOEC (Pseudokirchneriella subcapitata (green algae)): 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to fish (Chronic tox- icity)	:	NOEC (Oncorhynchus mykiss (rainbow trout)): 1.000 mg/l Exposure time: 28 d
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	NOEC (Daphnia magna (Water flea)): 1.000 mg/l Exposure time: 21 d
Neomycin, sulfate (salt):		



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	Toxicity to daphnia and other aquatic invertebrates		:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
				LC50 (Americamy Exposure time: 96 Method: US-EPA	5 h
	Toxicity plants	to algae/aquatic	:	EC50 (Anabaena Exposure time: 72 Method: OECD Te	
				NOEC (Anabaena Exposure time: 72 Method: OECD Te	
				EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD Te	
				NOEC (Pseudokir 0,0022 mg/l Exposure time: 72 Method: OECD Te	
		or (Acute aquatic tox-	:	1.000	
		or (Chronic aquatic	:	10	
	toxicity) Toxicity	v to microorganisms	:	EC50 (Natural mid Exposure time: 3 Test Type: Respir Method: OECD Te	ation inhibition
				EC10 (Natural mid Exposure time: 3 Test Type: Respir Method: OECD Te	ation inhibition
	Magne	sium stearate:			
	Toxicity	r to fish	:	Exposure time: 48 Method: DIN 3841	
		to daphnia and other invertebrates	:	Exposure time: 47 Test substance: V Method: Directive	/ater Accommodated Fraction 67/548/EEC, Annex V, C.2. on data from similar materials



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Toxic plant	city to algae/aquatic ts	:	mg/l Exposure time: 72 Test substance: V Method: OECD T	Vater Accommodated Fraction est Guideline 201 on data from similar materials
			mg/l Exposure time: 72 Test substance: V Method: OECD T	Vater Accommodated Fraction
Toxi	city to microorganisms	:	Exposure time: 16 Test substance: V	onas putida): > 100 mg/l 5 h Vater Accommodated Fraction on data from similar materials
Tetra	acycline hydrochloride:			
	city to algae/aquatic	:	EC50 (Anabaena Exposure time: 72	flos-aquae (cyanobacterium)): 6,2 mg/l 2 h
			NOEC (Anabaena Exposure time: 72	a flos-aquae (cyanobacterium)): 2,5 mg/l 2 h
			EC50 (Pseudokiro mg/l Exposure time: 72	chneriella subcapitata (green algae)): 3,31 2 h
			NOEC (Pseudokin mg/l Exposure time: 72	rchneriella subcapitata (green algae)): 0,032 2 h
			EC50 (Microcystis Exposure time: 7	s aeruginosa (blue-green algae)): 0,09 mg/l d
M-Fa	actor (Acute aquatic tox-	:	10	
icity) M-Fa toxic	actor (Chronic aquatic	:	1	
	city to microorganisms	:	EC50: 0,08 mg/l Exposure time: 3 Test Type: Respir Method: OECD T	ation inhibition
Baci	tracin:			
Toxi		:	EC50 (Artemia sa Exposure time: 48	ılina (brine shrimp)): 21,8 mg/l 3 h
Toxi	city to algae/aquatic	:	EC50 (Anabaena	flos-aquae (cyanobacterium)): 10 mg/l



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plants	5		Exposure time: 10 Method: OECD T	
predi	nisolone:			
	ity to daphnia and other tic invertebrates	:	EC50 (Daphnia m Exposure time: 48	nagna (Water flea)): > 85 mg/l 3 h
Toxic plants	ity to algae/aquatic	:	NOEC (Pseudoki mg/l Exposure time: 72	rchneriella subcapitata (green algae)): 160 2 h
			EC50 (Pseudokiro mg/l Exposure time: 72	chneriella subcapitata (green algae)): > 160 2 h
	ity to daphnia and other tic invertebrates (Chron- icity)		NOEC (Ceriodapl Exposure time: 7	nnia dubia (water flea)): 0,23 mg/l d
Persi	stence and degradabil	ity		
<u>Com</u>	ponents:			
White	e mineral oil (petroleun	n):		
Biode	gradability	:	Result: Not readil Biodegradation: 3 Exposure time: 28	31 %
Neon	nycin, sulfate (salt):			
Biode	egradability	:	Result: rapidly de Biodegradation:	gradable
			Exposure time: 1, Method: OECD T	2 d
Magn	esium stearate:			
Biode	egradability	:	Result: Not biode Remarks: Based	gradable on data from similar materials
Bioad	ccumulative potential			
<u>Com</u>	ponents:			
Neon	nycin, sulfate (salt):			
	ion coefficient: n- ol/water	:	log Pow: < -2	
Partit	nesium stearate: ion coefficient: n- ol/water	:	log Pow: > 4	
Tetra	cycline hydrochloride:			
Partit	ion coefficient: n-	:	log Pow: -1,37	



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octa	nol/water	pH: 7		
Baci	tracin:			
	tion coefficient: n- nol/water	: log Pow: -0,8		
pred	nisolone:			
	tion coefficient: n- nol/water	: log Pow: 1,46		
Mob	ility in soil			
No d	ata available			
Othe	er adverse effects			
No d	ata 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	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
		N.O.S.
		(Neomycin, sulfate (salt), tetracycline hydrochloride)
Class	:	9
Packing group	:	III
Labels	:	9
Environmentally hazardous	:	yes
-		
UN/ID No.	:	UN 3082
Proper shipping name	:	Environmentally hazardous substance, liquid, n.o.s.
		(Neomycin, sulfate (salt), Tetracycline hydrochloride)
Class	:	9
Packing group	:	III
Labels	:	Miscellaneous
Packing instruction (cargo	:	964
aircraft)		
Packing instruction (passen-	:	964
ger aircraft)		
Environmentally hazardous	:	yes
IMDG-Code		
UN number		UN 3082
	•	



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Prope	er shipping name	N.O.S.	ENTALLY HAZARDOUS SUBSTANCE, LIQUID, sulfate (salt), Tetracycline hydrochloride)
		: 111	

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Special precautions for user

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.

SECTION 15. REGULATORY INFORMATION

Safety, health and environn mixture	nental regulations/legislation s	pecific for the substance or		
Argentina. Carcinogenic Subs Registry.	stances and Agents : No	ot applicable		
Control of precursors and essential chemicals for the : Not applicable preparation of drugs.				
The ingredients of this product are reported in the following inventories:				
AICS	: not determined			
DSL	: not determined			

SECTION 16. OTHER INFORMATION

Revision Date	:	06.07.2024
Date format	:	dd.mm.yyyy

Further information

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

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 other abbreviations

ACGIH :	:	USA. ACGIH Threshold Limit Values (TLV)
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AR OE	EL I / TWA EL / CMP EL / CMP - CPT	: 8-hour, ti : TLV (Thr	a. Occupational Exposure Limits me-weighted average reshold Limit Value) hort Term Limit Value)

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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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