

Version	Revision Date:	SDS Number:	Date of last issue: 2024/05/01
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### **1. PRODUCT AND COMPANY IDENTIFICATION**

Product name	:	Prednisolone / Neomycin / Tetracycline / Bacitracin Formulation				
••	Manufacturer or supplier's details					
Company	•	MSD				
Address	:	126 E. Lincoln Avenue Rahway, New Jersey U.S.A. 07065				
Telephone	:	908-740-4000				
Emergency telephone number	:	1-908-423-6000				
E-mail address	:	EHSDATASTEWARD@msd.com				
Recommended use of the chemical and restrictions on use						
Recommended use Restrictions on use	:	Veterinary product Not applicable				

### 2. HAZARDS IDENTIFICATION

GHS Classification Skin sensitisation	:	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.



## Prednisolone / Neomycin / Tetracycline / Bacitracin Formulation

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			e harm to breast-fed children. to aquatic life with long lasting effects.
Precau	utionary statements	P202 Do not har and understood. P261 Avoid brea P263 Avoid cont P264 Wash skin P270 Do not eat P272 Contamina the workplace. P273 Avoid relea	athing mist or vapours. act during pregnancy/ while nursing. thoroughly after handling. , drink or smoke when using this product. ated work clothing should not be allowed out of ase to the environment. ective gloves/ protective clothing/ eye protec-
		P308 + P313 IF attention. P333 + P313 If s vice/ attention. P362 + P364 Ta reuse. P391 Collect spi	ON SKIN: Wash with plenty of water. exposed or concerned: Get medical advice/ skin irritation or rash occurs: Get medical ad- ke off contaminated clothing and wash it before llage.
		Storage: P405 Store lock	ed up.
		<b>Disposal:</b> P501 Dispose of disposal plant.	f contents/ container to an approved waste

## Other hazards which do not result in classification

None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	:	Mixture
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### Components

Chemical name	CAS-No.	Concentration (% w/w)
White mineral oil (petroleum)	8042-47-5	>= 60 -<= 100
Neomycin, sulfate (salt)	1405-10-3	>= 3 -< 10
Magnesium stearate	557-04-0	< 10
tetracycline hydrochloride	64-75-5	>= 0.3 -< 2.5
Bacitracin	1405-87-4	>= 0.25 -< 1
prednisolone	50-24-8	>= 0.025 -< 0.25



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### 4. FIRST AID MEASURES

General advice	:	In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical advice.
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 Protection of first-aiders		May cause an allergic skin reaction. May damage the unborn child. May cause harm to breast-fed children. 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).
Notes to physician	:	Treat symptomatically and supportively.

#### **5. FIREFIGHTING 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 firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.



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

### 7. HANDLING AND STORAGE

Technical measures Local/Total ventilation		See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section. 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 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.
Conditions for safe storage	:	Keep in properly labelled containers. Store locked up. Keep tightly closed.



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Materials to avoid

Store in accordance with the particular national regulations. Do not store with the following product types: Strong oxidizing agents

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of	Control parame- ters / Permissible	Basis	
		exposure)	concentration		
White mineral oil (petroleum)	8042-47-5	NAB (Mist)	5 mg/m3	ID OEL	
		PSD (Mist)	10 mg/m3	ID OEL	
		TWA (Inhal-	5 mg/m3	ACGIH	
		able particu-			
		late matter)			
Neomycin, sulfate (salt)	1405-10-3	TWA	1 mg/m3 (OEB 1)	Internal	
	Further inform	nation: DSEN, O	ГО		
		Wipe limit	0.1 mg/100 cm <sup>2</sup>	Internal	
Magnesium stearate	557-04-0	NAB	10 mg/m3	ID OEL	
	Further information: Not classified as carcinogenic to humans. N enough data to classify these materials as carcinogenic to hu- mans or animals				
		TWA (Inhal- able particu- late matter)	10 mg/m3	ACGIH	
		TWA (Res- pirable par- ticulate mat- ter)	3 mg/m3	ACGIH	
tetracycline hydrochloride	64-75-5	TWA	0.9 mg/m3 (OEB 2)	Internal	
Bacitracin	1405-87-4	TWA	4 mg/m3 (OEB 1)	Internal	
	Further information: DSEN, RSEN				
		Wipe limit	0.1 mg/100 cm <sup>2</sup>	Internal	
prednisolone	50-24-8	TWA	10 µg/m3 (OEB 3)	Internal	
·		Wipe limit	100 µg/100 cm <sup>2</sup>	Internal	

#### Components with workplace control parameters

**Engineering measures** 

Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., dripless 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.

:



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#### Personal protective equipment

Despiratory protection	If adaguate level exhaust ventilation is not available or even
Respiratory protection :	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection.
Filter type : Hand protection	Combined particulates and organic vapour type
Material :	Chemical-resistant gloves
Remarks : Eye protection :	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 and body protection :	Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, dis- posable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing.
Hygiene measures :	If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the work- ing 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.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	oily, suspension
Colour	:	No data available
Odour	:	No data available
Odour Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available



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	Flash po	oint	:	No data available	9
	Evapora	ation rate	:	No data available	)
	Flamma	ability (solid, gas)	:	Not applicable	
	Flamma	ability (liquids)	:	No data available	9
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	9
,	Vapour	pressure	:	No data available	9
	Relative	e vapour density	:	No data available	9
	Relative	edensity	:	No data available	9
	Density		:	No data available	9
:	Solubilit Wate	y(ies) er solubility	:	No data available	9
		coefficient: n-	:	Not applicable	
	octanol/ Auto-igr	water nition temperature	:	No data available	9
	Decomp	oosition temperature	:	No data available	9
,	Viscosit Visco	y osity, kinematic	:	No data available	9
	Explosiv	ve properties	:	Not explosive	
		ig properties ar weight	:	The substance o	r mixture is not classified as oxidizing.
	Particle Particle	characteristics size	:	Not applicable	

### **10. STABILITY AND REACTIVITY**

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



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tions Conc Incor	ditions to avoid npatible materials ardous decomposition	: : :	None known. Oxidizing age	h strong oxidizing agents. ents s decomposition products are known.
11. TOXI	COLOGICAL INFORMAT	ΓΙΟΙ	N	
Infor expo	mation on likely routes of sure	:	Inhalation Skin contact Ingestion Eye contact	
	e toxicity classified based on availa	ble	information.	
Com	ponents:			
Whit	e mineral oil (petroleum	า):		
Acut	e oral toxicity	:	LD50 (Rat): >	5,000 mg/kg
Acut	e inhalation toxicity	:	LC50 (Rat): > Exposure time Test atmosphe Assessment: T tion toxicity	: 4 h
Acut	e dermal toxicity	:		: > 2,000 mg/kg The substance or mixture has no acute dermal
Neor	nycin, sulfate (salt):			
	e oral toxicity	:	LD50 (Mouse)	: 2,880 mg/kg
			LD50 (Rat): 2,	750 mg/kg
	e toxicity (other routes of nistration)	:	LD50 (Rat): 63 Application Ro	33 mg/kg bute: Subcutaneous
			LD50 (Mouse) Application Ro	: 116 mg/kg oute: Intraperitoneal
			LD50 (Mouse) Application Ro	: 27.6 mg/kg bute: Intravenous
			LD50 (Mouse) Application Ro	: 275 mg/kg oute: Subcutaneous

### Magnesium stearate:



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Acute	oral toxicity	:	icity			
Acute dermal toxicity			LD50 (Rabbit): > 2,000 mg/kg Remarks: Based on data from similar materials			
	ycline hydrochloride: oral toxicity	:	LD50 (Rat): 6,443 LD50 (Mouse): 2,			
	toxicity (other routes of istration)	:		ng/kg		
			LD50 (Mouse): 15 Application Route			
<b>Bacitr</b> Acute	r <b>acin:</b> oral toxicity	:	LD50 (Mouse): > Remarks: Based	2,000 mg/kg on data from similar materials		
•	isolone:					
Acute	oral toxicity	:	LD50 (Mouse): 1, LD50 (Rat): > 3,8			
Acute	inhalation toxicity	:	Remarks: No data			
Acute	dermal toxicity	:	Remarks: No data	a available		
	toxicity (other routes of istration)	:	LD50 (Rat): 147 n Application Route			
			LD50 (Mouse): 76 Application Route			
	corrosion/irritation	bla	information			
	onents:	ne				

### White mineral oil (petroleum):

Species	:	Rabbit
Result	:	No skin irritation



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Neor	nycin, sulfate (salt):			
Spec			Rabbit	
Resu		:	Mild skin irritation	1
Magr	nesium stearate:			
Spec		:	Rabbit	
Resu		:	No skin irritation	
Rema	arks		Based on data fro	om similar materials
	cycline hydrochloride			
Rema	arks	:	No data available	
-	nisolone:			
Rema	arks	:	No data available	9
Serio	ous eye damage/eye ir	ritati	on	
Not c	lassified based on avai	lable	information.	
Com	ponents:			
White	e mineral oil (petroleu	m):		
Spec	ies	:	Rabbit	
Resu	lt	:	No eye irritation	
Neor	nycin, sulfate (salt):			
Spec	ies	:	Rabbit	
Resu	lt	:	No eye irritation	
Magr	nesium stearate:			
Spec		:	Rabbit	
Resu		:	No eye irritation	
Rema	arks	:	Based on data fro	om similar materials
tetra	cycline hydrochloride	:		
Rema	arks	:	No data available	)
pred	nisolone:			
Rema		:	No data available	9
Resp	iratory or skin sensiti	satio	on	
Skin	sensitisation			
May	cause an allergic skin re	eactio	on.	



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#### **Respiratory sensitisation**

Not classified based on available information.

#### Components:

Buehler Test
Skin contact
Guinea pig
negative
Dermal
Humans
positive
Maximisation Test
Skin contact
Guinea pig
OECD Test Guideline 406
negative
Based on data from similar materials
No data available
Human repeat insult patch test (HRIPT)
Skin contact
positive
Probability or evidence of skin sensitisation in humans
No data available
e information.
Test Type: In vitro mammalian cell gene mutation test
Result: negative
Test Type: Mammalian erythrocyte micronucleus test (in vivo



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			Method: OECD To Result: negative	: Intraperitoneal injection
Neo	mycin, sulfate (salt):			
	otoxicity in vitro	:	Test Type: Bacter Result: negative	rial reverse mutation assay (AMES)
				o mammalian cell gene mutation test nese hamster ovary cells
			Test Type: Chrom Test system: Hum Result: positive	nosomal aberration nan lymphocytes
			Test Type: in vitro Result: negative	o micronucleus test
Gen	otoxicity in vivo	:	Test Type: Cytoge Species: Mouse Cell type: Bone m Application Route Result: negative	
Mag	nesium stearate:			
-	otoxicity in vitro	:	Result: negative	o mammalian cell gene mutation test 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
totra	acycline hydrochloride:			
	otoxicity in vitro	:	Test Type: Bacter Result: negative	rial reverse mutation assay (AMES)
			Test Type: Cytoge Test system: Chir Result: negative	enetic assay nese hamster ovary cells
			10/07	



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		Test Type: sist Result: negativ	ter chromatid exchange assay ve
		Test Type: Mo Result: negativ	use Lymphoma ve
Bacit	racin:		
Genotoxicity in vitro	Result: negativ	cterial reverse mutation assay (AMES) ve ed on data from similar materials	
		Result: negativ	vitro mammalian cell gene mutation test ve ed on data from similar materials
		Result: negativ	romosome aberration test in vitro ve ed on data from similar materials
prodr	vicelene		
-	nisolone: toxicity in vitro	: Test Type: Ba Result: negativ	cterial reverse mutation assay (AMES) ve
		Test Type: Mo Result: negativ	use Lymphoma ve
		Test Type: sist Result: negativ	ter chromatid exchange assay ve
Geno	toxicity in vivo	: Test Type: Ma cytogenetic as Species: Rat Application Ro Result: negativ	oute: Oral
		Test Type: sis Species: Hum Result: negativ	

### Components:

### White mineral oil (petroleum):

Species	:	Rat
Application Route	:	Ingestion
Exposure time	:	24 Months



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Resul	t	: negative	
Neom	nycin, sulfate (salt):		
Speci		: Rat	
	sure time	: 2 Years	
Resul		: negative	
tetrac	cycline hydrochlorid	e:	
Speci	es	: Rat	
	cation Route	: Oral	
Expos	sure time	: 103 W	
Resul	t	: negative	
Speci	es	: Mouse	
	cation Route	: Oral	
Expos	sure time	: 103 W	
Resul	t	: negative	
predr	nisolone:		
Speci	es	: Rat	
Applic	cation Route	: Oral	
Expos	sure time	: 18 Months	
Resul	t	: negative	
Repro	oductive toxicity		
	lamage the unborn ch ause harm to breast-f		
<u>Comp</u>	oonents:		
White	e mineral oil (petrole	um):	
Effect	s on fertility		-generation reproduction toxicity study
	-	Species: Rat	
			ite: Skin contact
		Result: negative	9
Effect	s on foetal develop-		oryo-foetal development
ment		Species: Rat	
		Application Rou	
		Result: negative	9
Neom	nycin, sulfate (salt):		
Effect	s on fertility		e-generation reproduction toxicity study
		Species: Rat	
		Application Rou	
			y - Parent: NOAEL: 25 mg/kg body weigl
		Result: NO effec	cts on fertility and early embryonic develo
		ment were dete	at a d



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	Effects on foetal develop- ment		Species: Rat Application Route Embryo-foetal tox	o-foetal development : Oral icity: NOAEL: 275 mg/kg body weight se effects, No teratogenic effects
			Test Type: Develor Species: Rat Application Route Developmental To Result: positive	
Repr sessi	oductive toxicity - As- nent	:	Some evidence o animal experimen	f adverse effects on development, based on ts.
Magi	nesium stearate:			
-	ts on fertility	:	reproduction/deve Species: Rat Application Route Method: OECD T Result: negative	
	Effects on foetal develop- ment		Species: Rat Application Route Result: negative	o-foetal development : Ingestion on data from similar materials
tetra	cycline hydrochloride:			
	ts on fertility	:	Test Type: Fertilit Species: Rat Application Route Fertility: NOAEL: Result: No effects	: Oral 400 mg/kg body weight
Effec ment	ts on foetal develop-	:	: Test Type: Development Result: Embryo-foetal toxicity, Specific developmental abno malities, Skeletal malformations	
Repr sessi	oductive toxicity - As- nent	:	: Studies indicating a hazard to babies during the lactation pe od, May damage the unborn child.	
Baci	tracin:			
Effec	ts on fertility	:	Test Type: Fertilit Species: Rat Application Route	y/early embryonic development : Ingestion



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			sed on data from similar materials		
Effect: ment	s on foetal develop-	Species: Rat Application R Result: negat			
predn	isolone:				
Effects	s on fertility	Species: Rat Application R Fertility: NOA	ertility/early embryonic development oute: Subcutaneous EL: 1 mg/kg body weight fects on fertility		
Effect: ment	s on foetal develop-	Species: Mou Application R Development			
		Species: Rat Application R Development	nbryo-foetal development oute: Oral al Toxicity: LOAEL: 30 mg/kg body weight ased blood formation		
		Development	oute: Subcutaneous al Toxicity: NOAEL: 25 mg/kg body weight fects on foetal development		
Repro sessm	ductive toxicity - As- nent	: Some eviden animal experi	ce of adverse effects on development, based o ments.		
	<b>- single exposure</b> assified based on avai	able information.			
	- repeated exposure assified based on avai	able information.			
Comp	oonents:				

Target Organs	:	Kidney, inner ear
Assessment	:	May cause damage to organs through prolonged or repeated
		exposure.
Remarks	:	Based on human experience.



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Ex Ta	tracyclin xposure i arget Org ssessme	jans	•		act, Nervous system, Skin, Teeth ge to organs through prolonged or repeated		
	acitracir ssessme		:	No significant hea tions of 100 mg/kg	alth effects observed in animals at concentra- g bw or less.		
Ta	r <b>ednisol</b> arget Org ssessme	jans	:	Bone marrow, Ad Causes damage t exposure.	renal gland, Liver o organs through prolonged or repeated		
Re	epeated	dose toxicity					
<u>Cc</u>	ompone	<u>nts:</u>					
W	hite min	eral oil (petroleum	ו):				
LĊ Ap	becies DAEL oplicatior xposure t		:	Rat 160 mg/kg Ingestion 90 Days			
LĊ Ap Ex	Decies DAEL Oplicatior Xposure 1 ethod		<ul> <li>Bo Days</li> <li>Rat</li> <li>&gt;= 1 mg/l</li> <li>inhalation (dust/mist/fume)</li> <li>4 Weeks</li> <li>OECD Test Guideline 412</li> </ul>				
Ne	eomycin	, sulfate (salt):					
LĊ Ap Ex	Decies DAEL Oplicatior Aposure f Arget Org	time	: Mouse : 30 mg/kg : Subcutaneous : 14 d : Kidney				
NC LC Ap Ex	Decies OAEL DAEL oplication xposure t arget Org	time	<ul> <li>Guinea pig</li> <li>50 mg/kg</li> <li>100 mg/kg</li> <li>Intramuscular</li> <li>30 - 60 Weeks</li> <li>ear</li> </ul>				
Ň	oecies OAEL oplicatior	n Route	: Guinea pig : 10 mg/kg : Oral				



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Exposu Remarl		:	90 d No significant adv	verse effects were reported
Exposu Species LOAEL Applica	tion Route ire time s	: : : : : : : : : : : : : : : : : : : :	Guinea pig 100 mg/kg Subcutaneous 34 d Dog 24 mg/kg Intramuscular 30 d	
	Organs	:	Kidney	
Exposu	tion Route ire time Organs oms	:	Rat 25 mg/kg oral (feed) 84 Weeks ear hearing loss mortality observed	d
Exposu		:	Dog 20 mg/kg Subcutaneous 90 d Kidney	
Species NOAEL Applica	- tion Route ire time		Rat > 100 mg/kg Ingestion 90 Days Based on data fro	om similar materials
Species NOAEL LOAEL Applica Exposu Target Sympto Species NOAEL LOAEL Applica	tion Route time Organs oms		Rat 625 mg/kg 1,250 mg/kg oral (feed) 13 W Liver Reduced body we Mouse 3,750 mg/kg 7,500 mg/kg oral (feed) 13 W	eight



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_			
Symp	toms	: Reduced body	weight
Bacit	racin:		
Speci	es	: Rat	
LOAE		: > 10 mg/kg	
	cation Route	: Ingestion	
	sure time	: 13 Weeks	· · · · · · · · ·
Rema	Irks	: Based on data	from similar materials
predr	nisolone:		
Speci		: Rat	
LÕAE		: 0.6 mg/kg	
	cation Route	: Oral	
	sure time	: 63 Days	
Targe	et Organs	: Bone marrow	
Speci		: Dog	
LOAE		: 2.5 mg/kg	
	cation Route	: Oral	
	sure time	: 6 Weeks	
Targe	et Organs	: Adrenal gland	
Speci		: Rabbit	
LOAE		: 1 mg/kg	
	cation Route	: Oral	
	sure time	: 24 Weeks	
rarge	t Organs	: Liver	
Aspir	ation toxicity		
Not cl	assified based on av	ailable information.	
<u>Comp</u>	ponents:		
tetrac	cycline hydrochlorid	le:	
Not a	pplicable		
Expe	rience with human e	exposure	
Comp	oonents:		
	nycin, sulfate (salt):		
	contact	· Cumptomo: Co	nsitication
SKIN (	ontact	: Symptoms: Se Remarks: May	
Evelo	ontact		cause eye irritation.
Ingest			usea, Vomiting, Diarrhoea, tinnitus, hear
5-0		loss, Loss of b	
	cycline hydrochlorid		
	tion	: Target Organs	: Teeth
Ingest		. Target organo	



ersion 0	Revision Date: 2024/07/06	-	DS Number: 07511-00025	Date of last issue: 2024/05/01 Date of first issue: 2016/01/07
			Diarrhoea, Liver effects	
<b>predr</b> Ingest	<b>hisolone:</b> tion	:		um retention, Headache, Vertigo, fluid reten- ous bleeding, striae, skin atrophy, menstrual
2. ECOLO	OGICAL INFORMATION	N		
Ecoto	oxicity			
Comp	oonents:			
White	e mineral oil (petroleum	ı):		
Toxici	ity to fish	:	Exposure time: 9	nchus mykiss (rainbow trout)): > 100 mg/l 96 h Test Guideline 203
	ity to daphnia and other ic invertebrates	:	Exposure time: 4	magna (Water flea)): > 100 mg/l 48 h Test Guideline 202
Toxici plants	ity to algae/aquatic	:	mg/l Exposure time: 7	kirchneriella subcapitata (green algae)): 100 72 h Test Guideline 201
Toxici icity)	ity to fish (Chronic tox-	:	NOEC (Oncorhy Exposure time: 2	rnchus mykiss (rainbow trout)): 1,000 mg/l 28 d
	ity to daphnia and other ic invertebrates (Chron- icity)	:	NOEC (Daphnia Exposure time: 2	magna (Water flea)): 1,000 mg/l 21 d
Neom	nycin, sulfate (salt):			
	ity to daphnia and other ic invertebrates	:	Exposure time: 4	magna (Water flea)): > 72 mg/l 48 h Test Guideline 202
			LC50 (American Exposure time: 9 Method: US-EP	
Toxici plants	ity to algae/aquatic	:	Exposure time: 7	a flos-aquae (cyanobacterium)): 0.00075 mg/ 72 h Test Guideline 201



Versior 7.0	Revision Date: 2024/07/06		0S Number: 7511-00025	Date of last issue: 2024/05/01 Date of first issue: 2016/01/07
			NOEC (Anabaena Exposure time: 72 Method: OECD To	
			EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD Te	
			NOEC (Pseudokir 0.0022 mg/l Exposure time: 72 Method: OECD Te	
	<b>N N</b>	:	1,000	
	Factor (Chronic aquatic	:	10	
	kicity) xicity 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 To	ation inhibition
	agnesium stearate: xicity to fish	:	Exposure time: 48 Method: DIN 384	idus (Golden orfe)): > 100 mg/l 3 h 12 on data from similar materials
	xicity to daphnia and other uatic invertebrates	:	Exposure time: 47 Test substance: V Method: Directive	Vater Accommodated Fraction 67/548/EEC, Annex V, C.2. on data from similar materials
	xicity to algae/aquatic ants	:	mg/l Exposure time: 72 Test substance: V Method: OECD To	Vater Accommodated Fraction est Guideline 201 on data from similar materials



Version 7.0	Revision Date: 2024/07/06		9S Number: 7511-00025	Date of last issue: 2024/05/01 Date of first issue: 2016/01/07
			mg/l Exposure time: Test substance: Method: OECD	okirchneriella subcapitata (green algae)): > 1 72 h Water Accommodated Fraction Test Guideline 201 d on data from similar materials
Toxic	ity to microorganisms	:	Exposure time: Test substance:	nonas putida): > 100 mg/l 16 h Water Accommodated Fraction d on data from similar materials
	cycline hydrochloride:			
Toxic plants	ity to algae/aquatic s	:	EC50 (Anabaen Exposure time:	a flos-aquae (cyanobacterium)): 6.2 mg/l 72 h
			NOEC (Anabaei Exposure time:	na flos-aquae (cyanobacterium)): 2.5 mg/l 72 h
			EC50 (Pseudok mg/l Exposure time: <sup>-</sup>	irchneriella subcapitata (green algae)): 3.31 72 h
			NOEC (Pseudol mg/l Exposure time:	kirchneriella subcapitata (green algae)): 0.032 72 h
			EC50 (Microcys Exposure time:	tis aeruginosa (blue-green algae)): 0.09 mg/l 7 d
	ctor (Acute aquatic tox-	:	10	
icity) M-Fa toxicit	ctor (Chronic aquatic	:	1	
	ity to microorganisms	:		
Bacit	racin:			
	ity to daphnia and other tic invertebrates	:	EC50 (Artemia s Exposure time: 4	salina (brine shrimp)): 21.8 mg/l 48 h
Toxic plants	ity to algae/aquatic s	:	Exposure time:	a flos-aquae (cyanobacterium)): 10 mg/l 10 d Test Guideline 201
-	nisolone: ity to daphnia and other	:	EC50 (Daphnia	magna (Water flea)): > 85 mg/l



ersion )	Revision Date: 2024/07/06	-	0S Number: 7511-00025	Date of last issue: 2024/05/01 Date of first issue: 2016/01/07	
aquati	c invertebrates		Exposure time: 48	3 h	
Toxicity to algae/aquatic plants		:	NOEC (Pseudokin mg/l Exposure time: 72	rchneriella subcapitata (green algae)): 160 2 h	
			EC50 (Pseudokiro mg/l Exposure time: 72	chneriella subcapitata (green algae)): > 16 2 h	
aquati	Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)		NOEC (Ceriodaphnia dubia (water flea)): 0.23 mg/l Exposure time: 7 d		
Persis	stence and degradabili	ty			
<u>Comp</u>	onents:				
	mineral oil (petroleum gradability	n): :	Result: Not readil Biodegradation: 3 Exposure time: 28	31 %	
	<b>ycin, sulfate (salt):</b> gradability	:	Result: rapidly de Biodegradation: 4 Exposure time: 1. Method: OECD T	50 % 2 d	
-	<b>esium stearate:</b> gradability	:	Result: Not biode Remarks: Based	gradable on data from similar materials	
Bioac	cumulative potential				
<u>Comp</u>	onents:				
Partitie	ycin, sulfate (salt): on coefficient: n- bl/water	:	log Pow: < -2		
Partitio	esium stearate: on coefficient: n- ol/water	:	log Pow: > 4		
tetracycline hydrochloride:		:	log Pow: -1.37 pH: 7		

#### Bacitracin:



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	on coefficient: n- ol/water	: log Pow: -0	.8
Partiti	nisolone: on coefficient: n- ol/water	: log Pow: 1.4	46
	l <b>ity in soil</b> Ita available		
	r <b>adverse effects</b> ata available		
3. DISPO	SAL CONSIDERATIO	NS	
Dispo	osal methods		
-	e from residues		ose of waste into sewer. in accordance with local regulations.
Conta	minated packaging		ainers should be taken to an approved waste han r recycling or disposal.
	SPORT INFORMATION	If not other	vise specified: Dispose of as unused product.
Interr	national Regulations	If not other	
Interr UNR1	national Regulations	If not other	
<b>Interr</b> UNR UN nu	national Regulations	If not otherv I : UN 3082 : ENVIRONM N.O.S.	vise specified: Dispose of as unused product.
<b>Interr</b> UNR UN nu Prope	national Regulations IDG umber er shipping name	If not otherv UN 3082 ENVIRONM N.O.S. (Neomycin	vise specified: Dispose of as unused product.
Interr UNRT UN nu Prope	national Regulations IDG umber er shipping name	If not otherv I : UN 3082 : ENVIRONM N.O.S.	vise specified: Dispose of as unused product.
Interr UNR UN nu Prope Class Packi Label	national Regulations IDG umber er shipping name ng group s	If not otherv UN 3082 ENVIRONN N.O.S. (Neomycin : 9	vise specified: Dispose of as unused product.
Interr UNR UN nu Prope Class Packi Label	national Regulations IDG umber er shipping name ng group	If not otherv UN 3082 ENVIRONN N.O.S. (Neomycin : 9 : III	vise specified: Dispose of as unused product.
Interr UN nu Prope Class Packi Label Enviro	national Regulations TDG umber er shipping name ng group s onmentally hazardous -DGR	If not otherv UN 3082 ENVIRONN N.O.S. (Neomycin 9 III 9 UII 9 UII 9 UII 9 UII 9 UII 9 UII 9 UV 9 UV	vise specified: Dispose of as unused product.
Interr UNR UN nu Prope Class Packi Label Enviro IATA	national Regulations TDG umber er shipping name ng group s onmentally hazardous -DGR ) No.	If not otherv UN 3082 ENVIRONN N.O.S. (Neomycin 9 III 9 UI 9 UN 3082	vise specified: Dispose of as unused product. IENTALLY HAZARDOUS SUBSTANCE, LIQUID , sulfate (salt), tetracycline hydrochloride)
Interr UN nu Prope Class Packi Label Enviro IATA UN/IE Prope	national Regulations TDG umber er shipping name ng group s onmentally hazardous -DGR ) No. er shipping name	If not otherw UN 3082 ENVIRONM N.O.S. (Neomycin 9 III 9 UN 3082 Environmer (Neomycin	vise specified: Dispose of as unused product.
Interr UN nu Prope Class Packi Label Enviro IATA UN/IE Prope	national Regulations TDG umber er shipping name ng group s onmentally hazardous -DGR 0 No. er shipping name	If not otherw UN 3082 ENVIRONM N.O.S. (Neomycin 9 III 9 UI 9 UN 3082 Environmer	vise specified: Dispose of as unused product. IENTALLY HAZARDOUS SUBSTANCE, LIQUID, , sulfate (salt), tetracycline hydrochloride) ntally hazardous substance, liquid, n.o.s.
Interr UN nu Prope Class Packi Label Enviro IATA- UN/IE Prope Class Packi Label	national Regulations TDG umber er shipping name ng group s onmentally hazardous -DGR 0 No. er shipping name ng group s	If not otherv UN 3082 ENVIRONM N.O.S. (Neomycin 9 III 9 UN 3082 Environmer (Neomycin 9 UN 3082 Environmer (Neomycin 9 III S 9 UN 3082	NENTALLY HAZARDOUS SUBSTANCE, LIQUID, , sulfate (salt), tetracycline hydrochloride) ntally hazardous substance, liquid, n.o.s. , sulfate (salt), tetracycline hydrochloride)
Interr UN nu Prope Class Packi Label Enviro IATA- UN/IE Prope Class Packi Label Packi aircra	national Regulations TDG umber er shipping name ng group s onmentally hazardous -DGR 0 No. er shipping name ng group s ng instruction (cargo ft)	If not otherw UN 3082 ENVIRONM N.O.S. (Neomycin 9 III 9 UN 3082 Environmer (Neomycin 9 III 9 III 9 UN 3082 Environmer (Neomycin 9 III 9 III 9 III 9 III 9 III 9 III 1 1 1 1	VISE Specified: Dispose of as unused product. MENTALLY HAZARDOUS SUBSTANCE, LIQUID , sulfate (salt), tetracycline hydrochloride) ntally hazardous substance, liquid, n.o.s. , sulfate (salt), tetracycline hydrochloride)
Interr UNRT UN nu Prope Class Packi Label Enviro IATA UN/IE Prope Class Packi Label Packi aircra Packi ger ai	national Regulations TDG umber er shipping name ng group s onmentally hazardous -DGR 0 No. er shipping name ng group s ng instruction (cargo ft) ng instruction (passen- rcraft)	If not otherw UN 3082 ENVIRONM N.O.S. (Neomycin 9 III 9 UN 3082 Environmer (Neomycin 9 III Miscellanec 964 964	NENTALLY HAZARDOUS SUBSTANCE, LIQUID, , sulfate (salt), tetracycline hydrochloride) ntally hazardous substance, liquid, n.o.s. , sulfate (salt), tetracycline hydrochloride)
Interr UN nu Prope Class Packi Label Enviro IATA- UN/IE Prope Class Packi Label Packi aircra Packi ger ai Enviro	Anational Regulations FDG umber er shipping name ng group s onmentally hazardous -DGR 0 No. er shipping name ng group s ng instruction (cargo ft) ng instruction (passen- rcraft) onmentally hazardous	If not otherw UN 3082 ENVIRONM N.O.S. (Neomycin 9 III 9 UN 3082 Environmer (Neomycin 9 III 9 III 9 UN 3082 Environmer (Neomycin 9 III 9 III 9 III 9 III 9 III 9 III 1 1 1 1	VISE Specified: Dispose of as unused product. MENTALLY HAZARDOUS SUBSTANCE, LIQUID , sulfate (salt), tetracycline hydrochloride) ntally hazardous substance, liquid, n.o.s. , sulfate (salt), tetracycline hydrochloride)
Interr UNRT UN nu Prope Class Packi Label Enviro IATA UN/IE Prope Class Packi Label Packi aircra Packi ger ai Enviro	national Regulations TDG umber er shipping name ng group s onmentally hazardous -DGR 0 No. er shipping name ng group s ng instruction (cargo ft) ng instruction (passen- rcraft)	If not otherw UN 3082 ENVIRONM N.O.S. (Neomycin 9 III 9 UN 3082 Environmer (Neomycin 9 III Miscellanec 964 964	VISE Specified: Dispose of as unused product. MENTALLY HAZARDOUS SUBSTANCE, LIQUID , sulfate (salt), tetracycline hydrochloride) ntally hazardous substance, liquid, n.o.s. , sulfate (salt), tetracycline hydrochloride)



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Class Packing group Labels EmS Code	N.O.S. (Neomycin, sulfate (salt), tetracycline hydrochloride) : 9 : III : 9 : F-A, S-F
Marine pollutant	yes

#### 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.

#### **15. REGULATORY INFORMATION**

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

Minister of Industry Regulation No. 23/M-IND/PER/4/2013 concerning the Revision of Minister of Industry Regulation No. 87/M-IND/PER/9/2009 concerning Globally Harmonized System of Classification and Labelling of Chemicals.

# Regulation of the Minister of Health No. 472 of 1996 on the Safeguarding of Substances Hazardous to Health

Hazardous substances that must be registered : Not applicable

#### Government Regulation No. 74 of 2001 on the Management of Hazardous and Toxic Substances

Hazardous substances approved for use	:	Not applicable
Prohibited substances	:	Not applicable
Restricted substances	:	Not applicable

# Regulation of the Ministry of Trade No. 7 of 2022 on Distribution and Control of Hazardous Materials

Type of hazardous materials subject to distribution and : Not applicable control, Annex I

Type of hazardous materials subject to distribution and : Not applicable control, Annex II

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

not determined

1100	
AICS	

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DSL		:	not determined	
IECS	C	:	not determined	
16. OTHEI	R INFORMATION			
Revis	ion Date	:	2024/07/06	
Furth	er information			
	es of key data used to ile the Safety Data	:		data, data from raw material SDSs, OECD arch results and European Chemicals Agen- ropa.eu/
	where changes have be nent by two vertical lines		made to the previo	us version are highlighted in the body of this

Date format	:	yyyy/mm/dd
Full text of other abbreviation	ons	
ACGIH ID OEL	:	USA. ACGIH Threshold Limit Values (TLV) Indonesia. Occupational Exposure Limits
ACGIH / TWA ID OEL / NAB ID OEL / PSD	:	8-hour, time-weighted average Long term exposure limit Short term exposure limit

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 Tem-



### Prednisolone / Neomycin / Tetracycline / Bacitracin Formulation

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perature; 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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