according to the Globally Harmonized System



## Prednisolone / Neomycin / Tetracycline / Bacitracin Formulation

Version	Revision Date:	SDS Number:
9.0	28.09.2024	443935-00026

Date of last issue: 06.07.2024 Date of first issue: 07.01.2016

### **1. PRODUCT AND COMPANY IDENTIFICATION**

Product name	:	Prednisolone / Neomycin / Tetracycline / Bacitracin Formulation
Manufacturer or supplier's d	leta	ils
Company	:	MSD
Address	:	Briahnager - Off Pune Nagar Road Wagholi - Pune - India 412 207
Telephone	:	+1-908-740-4000
Emergency telephone number	:	+1-908-423-6000
E-mail address	:	EHSDATASTEWARD@msd.com
Recommended use of the ch	nem	nical and restrictions on use
Recommended use Restrictions on use	:	Veterinary product Not applicable

#### 2. HAZARDS IDENTIFICATION

#### Manufacture, Storage and Import of Hazardous Chemicals Rules 1989

#### Classification

Not classified as hazardous according to criteria laid down in Part I of Schedule-1.

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

>

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Haza	rd statements	H360D May d H362 May cau	use an allergic skin reaction. amage the unborn child. use harm to breast-fed children. tic to aquatic life with long lasting effects.
Preca	autionary statements	P261 Avoid br	read and follow all safety instructions before use eathing mist or vapours.
		P264 Wash ha P270 Do not e P272 Contam the workplace P273 Avoid re	lease to the environment. otective gloves/ protective clothing/ eye protec-
		Response:	
		P318 IF expos P333 + P317	IF ON SKIN: Wash with plenty of water. sed or concerned, get medical advice. If skin irritation or rash occurs: Get medical help. Take off contaminated clothing and wash it befor spillage.
		<b>Storage:</b> P405 Store lo	cked up.
		Disposal:	
		-	of contents/ container to an approved waste

Other hazards which do not result in classification

None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	/ Mixture	:	Mixture

### 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

4. FIRST AID MEASURES

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G	Genera	l advice	:	vice immediately. When symptoms	ident or if you feel unwell, seek medical ad- persist or in all cases of doubt seek medical		
lf	f inhale	d	:	advice. If inhaled, remove			
Ir	In case of skin contact		<ul> <li>Get medical attention.</li> <li>In case of contact, immediately flush skin with soap and plenty of water.</li> <li>Remove contaminated clothing and shoes.</li> <li>Get medical attention.</li> <li>Wash clothing before reuse.</li> <li>Thoroughly clean shoes before reuse.</li> </ul>				
	In case of eye contact If swallowed		:	Flush eyes with w Get medical atten	ater as a precaution. tion if irritation develops and persists. NOT induce vomiting.		
a d	and effe delayed	portant symptoms ects, both acute and on of first-aiders	:	Rinse mouth thord May cause an alle May damage the May cause harm t First Aid responde and use the record	oughly with water. ergic skin reaction.		
N	Notes to	o physician	:		cally and supportively.		
5. FIR	REFIGH	ITING MEASURES					
S	Suitable	e extinguishing media	:	Water spray Alcohol-resistant f Carbon dioxide (C Dry chemical			
	Jnsuita nedia	ble extinguishing	:	None known.			
	Specific ighting	hazards during fire-	:	Exposure to comb	pustion products may be a hazard to health.		
	Hazardo ucts	ous combustion prod-	:	Carbon oxides Nitrogen oxides (I Chlorine compour Metal oxides			
	Specific ods	extinguishing meth-	:	cumstances and t Use water spray t	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do		
	Special or firefi	protective equipment ghters	:		e, wear self-contained breathing apparatus. rective 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.
Materials to avoid	:	Store in accordance with the particular national regulations. Do not store with the following product types:

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Strong oxidizing agents

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
White mineral oil (petroleum)	8042-47-5	TWA (Mist)	5 mg/m3	IN OEL
		STEL (Mist)	10 mg/m3	IN OEL
		TWA (Inhal- able particu- late matter)	5 mg/m3	ACGIH
Magnesium stearate	557-04-0	TWA (Inhal- able particu- late matter)	10 mg/m3	ACGIH
		TWA (Res- pirable par- ticulate mat- ter)	3 mg/m3	ACGIH
Neomycin, sulfate (salt)	1405-10-3	TWA	1 mg/m3 (OEB 1)	Internal
	Further information: DSEN, OTO			
		Wipe limit	0.1 mg/100 cm <sup>2</sup>	Internal
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 inform	nation: DSEN, RS	SEN	
		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., 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 contain- ment devices). Minimize open handling.
Personal protective equipment	
Respiratory protection :	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec-

	sure assessment demonstrates exposures outside
	ommended guidelines, use respiratory protection.
:	Combined particulates and organic vapour type

Filter type Hand protection

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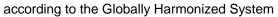


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Ma	aterial	: Chemical-resi	stant gloves				
Remarks Eye protection		: Wear safety g If the work en mists or aeros Wear a faces	<ul> <li>Consider double gloving.</li> <li>Wear safety glasses with side shields or goggles. If the work environment or activity 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</li> </ul>				
Skin a	and body protection	Additional boo being perform suits) to avoid	or laboratory coat. dy garments should be used based upon the task ed (e.g., sleevelets, apron, gauntlets, disposable exposed skin surfaces. the degowning techniques to remove potentially clothing.				
Hygiene measures		flushing syste place. When using d Contaminated workplace. Wash contam The effective engineering c appropriate de industrial hygi	chemical is likely during typical use, provide eye ms and safety showers close to the working o not eat, drink or smoke. I work clothing should not be allowed out of the inated clothing before re-use. operation of a facility should include review of ontrols, proper personal protective equipment, egowning and decontamination procedures, ene monitoring, medical surveillance and the strative 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
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 bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	)
	Vapour	pressure	:	No data available	)
	Relative	e vapour density	:	No data available	)
	Relative	e density	:	No data available	)
	Density	,	:	No data available	)
	Solubili Wat	ty(ies) er 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	2
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance o	r mixture is not classified as oxidizing.
	Molecu	lar weight	:	No data available	)
	Particle Particle	e characteristics e size	:	Not applicable	

### **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.

#### 11. TOXICOLOGICAL INFORMATION

Information on likely routes of	:	Inhalation
exposure		Skin contact
		Ingestion

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			Eye contact	
Acute	e toxicity			
	assified based on availa	ble	information.	
<u>Produ</u>			A - 1 - 1 - · · · · · · · · · · · · · · ·	
Acute	oral toxicity	:	Method: Calculati	mate: > 5,000 mg/kg on method
<u>Comp</u>	oonents:			
White	e mineral oil (petroleum	ו):		
Acute	oral toxicity	:	LD50 (Rat): > 5,0	00 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): > 5 m Exposure time: 4 Test atmosphere: Assessment: The tion toxicity	ĥ
Acute	dermal toxicity	:	LD50 (Rabbit): > Assessment: The toxicity	2,000 mg/kg substance or mixture has no acute derma
Neom	nycin, sulfate (salt):			
Acute	oral toxicity	:	LD50 (Mouse): 2,	880 mg/kg
			LD50 (Rat): 2,750	) mg/kg
	toxicity (other routes of nistration)	:	LD50 (Rat): 633 r Application Route	
			LD50 (Mouse): 11 Application Route	
			LD50 (Mouse): 27 Application Route	
			LD50 (Mouse): 27 Application Route	
Magn	esium stearate:			
	oral toxicity	:	icity	
Acute	dermal toxicity	:	LD50 (Rabbit): > : Remarks: Based	2,000 mg/kg on data from similar materials

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tetra	cycline hydrochloride:			
Acute	e oral toxicity	:	LD50 (Rat): 6,443	mg/kg
			LD50 (Mouse): 2,7	759 mg/kg
	e toxicity (other routes of nistration)	:	LD50 (Rat): 128 m Application Route	
			LD50 (Mouse): 15 Application Route	
Bacit	tracin:			
Acute	e oral toxicity	:	LD50 (Mouse): > 2 Remarks: Based o	2,000 mg/kg on data from similar materials
predu	nisolone:			
	e oral toxicity	:	LD50 (Mouse): 1,6	680 mg/kg
			LD50 (Rat): > 3,85	57 mg/kg
Acute	e inhalation toxicity	:	Remarks: No data	a available
Acute	e dermal toxicity	:	Remarks: No data	a available
	e toxicity (other routes of nistration)	:	LD50 (Rat): 147 m Application Route	
			LD50 (Mouse): 76 Application Route	
II Skin	corrosion/irritation			
Not c	lassified based on availa	ble	information.	
Com	ponents:			
White	e mineral oil (petroleum	ı):		
Spec Resu		:	Rabbit No skin irritation	
Neon	nycin, sulfate (salt):			
Spec Resu	ies	:	Rabbit Mild skin irritation	
Magr	nesium stearate:			
Spec	ies	:	Rabbit	
Resu Rema		:	No skin irritation Based on data fro	m similar materials

#### tetracycline hydrochloride:

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Rema	arks	: No data available	
pred Rema	nisolone:	: No data available	
Rema	arks		
	ous eye damage/eye i classified based on ava		
<u>Com</u>	ponents:		
White	e mineral oil (petrole	m):	
Spec Resu	cies	: Rabbit : No eye irritation	
Neor	nycin, sulfate (salt):		
Spec		: Rabbit	
Resu	ılt	: No eye irritation	
Maqr	nesium stearate:		
Spec		: Rabbit	
Resu		: No eye irritation	
Rema	arks	: Based on data from similar materials	
tetra	cycline hydrochloride	:	
Rem	arks	: No data available	
pred	nisolone:		
Rema		: No data available	
Resp	piratory or skin sensit	sation	
-	sensitisation cause an allergic skin	eaction.	
-	piratory sensitisation		
Not c	classified based on ava	lable information.	
<u>Com</u>	ponents:		
White	e mineral oil (petrole	m):	
Test		: Buehler Test	
Expo Spec	sure routes cies	: Skin contact : Guinea pig	
Resu		: negative	
Noor	nycin, sulfate (salt):		
	isure routes	: Dermal	
Spec		: Humans	

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Resu	lt	: ро	ositive	
Magr	nesium stearate:			
Test Expo Spec Metho Resu Rema	sure routes ies od It	: SI : G : O : ne	aximisation 1 kin contact uinea pig ECD Test Gu egative ased on data	
tetra	cycline hydrochlorid	e:		
Rema	arks	: N	o data availa	ble
Test	sure routes	: S	uman repeat kin contact ositive	insult patch test (HRIPT)
Asse	ssment	: P	obability or e	evidence of skin sensitisation in humans
pred Rema	n <b>isolone:</b> arks	: N	o data availa	ble
Not c	n cell mutagenicity lassified based on ava ponents:	ailable info	ormation.	
	e mineral oil (petrole	-	at Tura la v	itro mommolion call gang mutation toot
Geno	toxicity in vitro		esult: negativ	ritro mammalian cell gene mutation test re
Geno	toxicity in vivo	C) S  A  M R	togenetic as pecies: Mous oplication Ro ethod: OECE esult: negativ	e ute: Intraperitoneal injection ) Test Guideline 474
Neon	nycin, sulfate (salt):			
	toxicity in vitro		est Type: Bac esult: negativ	cterial reverse mutation assay (AMES) re
		Т		ritro mammalian cell gene mutation test Chinese hamster ovary cells re
		Т	əst Type: Chı	romosomal aberration

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			Test system: Hum Result: positive	an lymphocytes		
			Test Type: in vitro Result: negative	micronucleus test		
Geno	otoxicity in vivo		Test Type: Cytogenetic assay Species: Mouse Cell type: Bone marrow Application Route: Intravenous injection Result: negative			
Magr	nesium stearate:					
	otoxicity in vitro		Result: negative	mammalian cell gene mutation test on data from similar materials		
			Method: OECD Te Result: negative	osome aberration test in vitro est Guideline 473 on data from similar materials		
			Result: negative	ial reverse mutation assay (AMES) on data from similar materials		
II tetra	cycline hydrochloride	<b>7</b> .				
	stoxicity in vitro	: '	Test Type: Bacter Result: negative	ial reverse mutation assay (AMES)		
		-	Test Type: Cytoge Test system: Chin Result: negative	ese hamster ovary cells		
			Test Type: sister o Result: negative	chromatid exchange assay		
			Test Type: Mouse Result: negative	Lymphoma		
Bacit	racin:					
	otoxicity in vitro		Result: negative	ial reverse mutation assay (AMES) on data from similar materials		
			Result: negative	mammalian cell gene mutation test on data from similar materials		
			Test Type: Chrom Result: negative	osome aberration test in vitro		

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		Remarks: Base	ed on data from similar materials
	nisolone:		
Geno	toxicity in vitro	: Test Type: Bad 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: sist Species: Huma Result: negativ	

### Carcinogenicity

Not classified based on available information.

### **Components:**

#### White mineral oil (petroleum):

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

#### Neomycin, sulfate (salt):

Species	:	Rat
Exposure time	:	2 Years
Result	:	negative

### tetracycline hydrochloride:

Species Application Route Exposure time Result	:	Rat Oral 103 W negative
Species Application Route Exposure time Result	:	Mouse Oral 103 W negative

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#### prednisolone:

Species	:	Rat
Application Route	:	Oral
Exposure time	:	18 Months
Species Application Route Exposure time Result	:	negative

#### **Reproductive toxicity**

May damage the unborn child. May cause harm to breast-fed children.

#### Components:

#### White mineral oil (petroleum):

Effects on fertility	:	Test Type: One-generation reproduction toxicity study Species: Rat Application Route: Skin contact Result: negative
Effects on foetal develop- ment	:	Test Type: Embryo-foetal development Species: Rat Application Route: Ingestion Result: negative
Neomycin, sulfate (salt):		
Effects on fertility	:	Test Type: Three-generation reproduction toxicity study Species: Rat Application Route: Oral General Toxicity - Parent: NOAEL: 25 mg/kg body weight Result: No effects on fertility and early embryonic develop- ment were detected.
Effects on foetal develop- ment	:	Test Type: Embryo-foetal development Species: Rat Application Route: Oral Embryo-foetal toxicity: NOAEL: 275 mg/kg body weight Result: No adverse effects, No teratogenic effects
		Test Type: Development Species: Rat Application Route: Subcutaneous Developmental Toxicity: LOAEL: 6 mg/kg body weight Result: positive
Reproductive toxicity - As- sessment	:	Some evidence of adverse effects on development, based on animal experiments.
Magnesium stearate:		
Effects on fertility	:	Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat Application Route: Ingestion

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			Method: OECD T Result: negative Remarks: Based	est Guideline 422 on data from similar materials
Effect ment	ts on foetal develop-	:	Species: Rat Application Route Result: negative	ro-foetal development : Ingestion on data from similar materials
tetrac	cycline hydrochloride:			
	ts on fertility	:	Test Type: Fertilit Species: Rat Application Route Fertility: NOAEL: Result: No effects	: Oral 400 mg/kg body weight
Effect ment	ts on foetal develop-	:	Test Type: Develor Result: Embryo-for malities, Skeletal	betal toxicity, Specific developmental abnor-
Repro sessn	oductive toxicity - As- nent	:	Studies indicating od, May damage	a hazard to babies during the lactation peri- the unborn child.
Bacit	racin:			
Effect	ts on fertility	:	Species: Rat Application Route Result: negative	y/early embryonic development : Ingestion on data from similar materials
Effect ment	ts on foetal develop-	:	Species: Rat Application Route Result: negative	ro-foetal development : Ingestion on data from similar materials
predr	nisolone:			
Effect	ts on fertility	:	Species: Rat Application Route	1 mg/kg body weight
Effect ment	ts on foetal develop-	:	Species: Mouse Application Route Developmental To	ro-foetal development : Oral oxicity: LOAEL: 0.5 mg/kg body weight ions were observed., Cleft palate
II			Test Type: Embry	o-foetal development

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			Result: decreased	oxicity: LOAEL: 30 mg/kg body weight
				e: Subcutaneous oxicity: NOAEL: 25 mg/kg body weight s on foetal development
Repro sessr	oductive toxicity - As- nent	:	Some evidence o animal experimer	f adverse effects on development, based on tts.
	<b>Γ - single exposure</b> lassified based on avail	able	information.	
	F - repeated exposure lassified based on avail	able	information.	
Com	ponents:			
	nycin, sulfate (salt):			
	et Organs ssment	:	Kidney, inner ear May cause dama exposure.	ge to organs through prolonged or repeated
Rema	arks	:	Based on human	experience.
tetra	cycline hydrochloride:			
	sure routes	:	Oral	
	et Organs ssment	:		act, Nervous system, Skin, Teeth ge to organs through prolonged or repeated
Bacit	racin:			
Asse	ssment	:	No significant heat tions of 100 mg/kg	alth effects observed in animals at concentra- g bw or less.
predi	nisolone:			
	et Organs ssment	:	Bone marrow, Ad Causes damage t exposure.	renal gland, Liver to organs through prolonged or repeated
Repe	ated dose toxicity			
Com	ponents:			
White	e mineral oil (petroleu	m):		
Spec	ies	:	Rat	
Applie	L cation Route	•	160 mg/kg Ingestion	

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Expos	sure time	: 90 Days	
	L cation Route sure time	: Rat : >= 1 mg/l : inhalation (du : 4 Weeks : OECD Test (	
Neon	nycin, sulfate (salt):		
Speci LOAE Applic Expos	es	: Mouse : 30 mg/kg : Subcutaneou : 14 d : Kidney	IS
Expos	EL	: Guinea pig : 50 mg/kg : 100 mg/kg : Intramuscula : 30 - 60 Week : ear	
Speci NOAE Applic Expos Rema	EL cation Route sure time	: Guinea pig : 10 mg/kg : Oral : 90 d : No significan	t adverse effects were reported
		: Guinea pig : 100 mg/kg : Subcutaneou : 34 d	IS
Expos	es EL cation Route sure time et Organs	: Dog : 24 mg/kg : Intramuscula : 30 d : Kidney	r
Expos	EL cation Route sure time et Organs toms	: Rat : 25 mg/kg : oral (feed) : 84 Weeks : ear : hearing loss : mortality obse	erved
Expos		: Dog : 20 mg/kg : Subcutaneou : 90 d : Kidney	IS

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## Prednisolone / Neomycin / Tetracycline / Bacitracin Formulation

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Magn	esium stearate:			
	EL cation Route sure time	:	Rat > 100 mg/kg Ingestion 90 Days Based on data fr	om similar materials
tetrac	cycline hydrochloride	):		
Expos	EL EL cation Route sure time et Organs		Rat 625 mg/kg 1,250 mg/kg oral (feed) 13 W Liver Reduced body w	<i>r</i> eight
	EL EL cation Route sure time		Mouse 3,750 mg/kg 7,500 mg/kg oral (feed) 13 W Reduced body w	reight

### **Bacitracin:**

Species	:	Rat
LÕAEL	:	> 10 mg/kg
Application Route	:	Ingestion
Exposure time	:	13 Weeks
Species LOAEL Application Route Exposure time Remarks	:	Based on data from similar materials

: Rat

:

### prednisolone:

Species LÖAEL Application Route Exposure time Target Organs

Species LOAEL Application Route Exposure time Target Organs

Species	
Species	•
Species LOAEL	:
Application Route	•
Exposure time	:
Target Organs	•
raiget ergane	•

0.6 mg/kg : Oral : 63 Days : Bone marrow

: Dog : 2.5 mg/kg : Oral : 6 Weeks : Adrenal gland Rabbit 1 mg/kg Oral 24 Weeks Liver

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-	ration toxicity lassified based on av	ailable	information.	
Com	ponents:			
	<b>cycline hydrochloric</b> pplicable	le:		
-	rience with human e ponents <u>:</u>	exposi	ire	
	nycin, sulfate (salt):			
	contact	:	Symptoms: Se Remarks: May	
Eye o Inges	contact tion	:		cause eye irritation. usea, Vomiting, Diarrhoea, tinnitus, hearing alance
tetrac	cycline hydrochlorid	le:		
Inges	tion	:	Diarrhoea, Live effects Remarks: May	strointestinal disturbance, Nausea, Vomiting, er effects, skin rash, central nervous system cause sensitisation of susceptible persons. otosensitisation.
predi	nisolone:			
Inges	tion	:		dium retention, Headache, Vertigo, fluid reten- eous bleeding, striae, skin atrophy, menstrual

### **12. ECOLOGICAL INFORMATION**

### Ecotoxicity

### Components:

#### White mineral oil (petroleum):

N	·	
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

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rsion )	Revision Date: 28.09.2024		9S Number: 3935-00026	Date of last issue: 06.07.2024 Date of first issue: 07.01.2016
Toxicit icity)	y to fish (Chronic tox-	:	Exposure time: 28	
	y to daphnia and other c invertebrates (Chron- ity)	:	Exposure time: 21	
Neom	ycin, sulfate (salt):			
Toxicit	y to daphnia and other c invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
			LC50 (Americamy Exposure time: 96 Method: US-EPA	
Toxicit plants	y to algae/aquatic	:	EC50 ( Anabaena Exposure time: 72 Method: OECD Te	
			NOEC ( Anabaen Exposure time: 72 Method: OECD Te	
			EC50 ( Pseudokir 0.0099 mg/l Exposure time: 72 Method: OECD Te	
			NOEC (Pseudoki 0.0022 mg/l Exposure time: 72 Method: OECD Te	
M-Fac icity)	tor (Acute aquatic tox-	:	1,000	
Toxicit	y 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
M-Fac toxicity	tor (Chronic aquatic ′)	:	10	

Magnesium stearate:

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rsion	Revision Date: 28.09.2024		98 Number: 3935-00026	Date of last issue: 06.07.2024 Date of first issue: 07.01.2016
Toxici	ty to fish	:	Exposure time Method: DIN 3	
	ty to daphnia and other c invertebrates	:	Exposure time Test substance Method: Direct Remarks: Bas	a magna (Water flea)): > 1 mg/l : 47 h e: Water Accommodated Fraction tive 67/548/EEC, Annex V, C.2. ed on data from similar materials he limit of solubility
Toxici <sup>,</sup> plants	ty to algae/aquatic	:	mg/l Exposure time Test substanc Method: OECI Remarks: Bas	okirchneriella subcapitata (green algae)): > 1 : 72 h e: Water Accommodated Fraction D Test Guideline 201 ed on data from similar materials he limit of solubility
			mg/l Exposure time Test substanc Method: OECI	udokirchneriella subcapitata (green algae)): > : 72 h e: Water Accommodated Fraction D Test Guideline 201 ed on data from similar materials
Toxici	ty to microorganisms	:	Exposure time Test substanc	omonas putida): > 100 mg/l : 16 h e: Water Accommodated Fraction ed on data from similar materials
tetrac	ycline hydrochloride:			
	ty to algae/aquatic	:	EC50 ( Anaba Exposure time	ena flos-aquae (cyanobacterium)): 6.2 mg/l : 72 h
			NOEC ( Anaba Exposure time	aena flos-aquae (cyanobacterium)): 2.5 mg/l : 72 h
			EC50(Pseud mg/l Exposure time	okirchneriella subcapitata (green algae)): 3.3 : 72 h
			NOEC(Pseud mg/l Exposure time	dokirchneriella subcapitata (green algae)): 0.0
			EC50 ( Microc Exposure time	ystis aeruginosa (blue-green algae)): 0.09 m : 7 d
M-Fac icity)	ctor (Acute aquatic tox-	:	10	

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ersion .0	Revision Date: 28.09.2024		0S Number: 3935-00026	Date of last issue: 06.07.2024 Date of first issue: 07.01.2016
Toxicit	ty to microorganisms	:	EC50: 0.08 mg/l Exposure time: 3 Test Type: Respir Method: OECD T	ation inhibition
M-Fac toxicity	tor (Chronic aquatic /)	:	1	
II Bacitr	acin:			
	ty to daphnia and other cinvertebrates	:	EC50 (Artemia sa Exposure time: 48	lina (brine shrimp)): 21.8 mg/l 3 h
Toxicit plants	ty to algae/aquatic	:	EC50 ( Anabaena Exposure time: 10 Method: OECD T	
predn	isolone:			
	ty to daphnia and other c invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): > 85 mg/l 3 h
Toxicit plants	y to algae/aquatic	:	NOEC(Pseudok mg/l Exposure time: 72	irchneriella subcapitata (green algae)): 160 2 h
			EC50 ( Pseudokir mg/l Exposure time: 72	chneriella subcapitata (green algae)): > 160 2 h
aquation ic toxic	ty to daphnia and other c invertebrates (Chron- city)	:	NOEC: 0.23 mg/l Exposure time: 7 Species: Cerioda	d ohnia dubia (water flea)
II Persis	stence and degradabili	ity		
<u>Comp</u>	onents:			
White	mineral oil (petroleum	ו):		
Biodeç	gradability	:	Result: Not readil Biodegradation: 3 Exposure time: 28	31 %
	ycin, sulfate (salt):			
Biodeo	gradability	:	Result: rapidly de Biodegradation: 4 Exposure time: 1. Method: OECD T	50 % 2 d

Magnesium stearate:

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Biode	egradability	:	Result: Not biode Remarks: Based	gradable on data from similar materials
Bioa	ccumulative potential			
Com	ponents:			
Partit	nycin, sulfate (salt): ion coefficient: n- nol/water	:	log Pow: < -2	
Partit	nesium stearate: ion coefficient: n- nol/water	:	log Pow: > 4	
tetra	cycline hydrochloride:			
	ion coefficient: n- nol/water	:	log Pow: -1.37 pH: 7	
Bacit	tracin:			
	ion coefficient: n- nol/water	:	log Pow: -0.8	
pred	nisolone:			
Partit	ion coefficient: n- nol/water	:	log Pow: 1.46	
Mobi	lity in soil			
	ata available			
Othe	r adverse effects			
No da	ata available			

### 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 han-
		dling site for recycling or disposal.
		If not otherwise specified: Dispose of as unused product.

### 14. TRANSPORT INFORMATION

#### UNRTDG UN number

: UN 3082

according to the Globally Harmonized System



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Р	Proper s	hipping name	:		ALLY HAZARDOUS SUBSTANCE, LIQUID,
P	Class Packing abels Environn	group nentally hazardous	::	N.O.S. (Neomycin, sulfa 9 III 9 yes	te (salt), tetracycline hydrochloride)
U	ATA-DO JN/ID No Proper s		:		nazardous substance, liquid, n.o.s. te (salt), tetracycline hydrochloride)
P Li P	Class Packing abels Packing ircraft)	group instruction (cargo	::	9 III Miscellaneous 964	
g	er aircra	instruction (passen- aft) nentally hazardous	:	964 yes	
U	MDG-Co JN numl Proper si		:	N.O.S.	ALLY HAZARDOUS SUBSTANCE, LIQUID, e (salt), tetracycline hydrochloride)
P Li E	Class Packing abels EmS Coo Marine p	de	: : : : : : : : : : : : : : : : : : : :	9 III 9 F-A, S-F yes	

#### Transport in bulk according to IMO instruments

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

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

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

according to the Globally Harmonized System



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#### 16. OTHER INFORMATION

Revision Date	:	28.09.2024		
Further information				
Sources of key data used to compile the Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/		
Items where changes have be document by two vertical lines		made to the previous version are highlighted in the body of this		
Date format	:	dd.mm.yyyy		
Full text of other abbreviations				
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)		
IN OEL	:	India. Permissible levels of certain chemical substances in		

		work environment.
ACGIH / TWA IN OEL / TWA IN OEL / STEL	:	8-hour, time-weighted average Time-Weighted Average Concentration (TWA) (8 hrs.) Short-term exposure Limit STEL (15 min)

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



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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.

IN / EN