



Prednisolone / Neomycin / Tetracycline / Bacitracin Formulation

VersionRevision Date:SDS Number:Date of last issue: 07/06/20212.109/28/2024407520-00025Date of first issue: 01/07/201	
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SECTION 1. IDENTIFICATION

Product name :	Prednisolone / Neomycin / Tetracycline / Bacitracin Formula- tion
Manufacturer or supplier's det	ails
Company name of supplier :	Merck & Co., Inc
Address :	126 E. Lincoln Avenue
	Rahway, New Jersey U.S.A. 07065
Telephone :	908-740-4000
Emergency telephone :	1-908-423-6000
E-mail address :	EHSDATASTEWARD@merck.com
Recommended use of the cher	nical and restrictions on use
Recommended use :	Veterinary product
Restrictions on use :	Not applicable
	••

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin sensitization	:	Category 1
Reproductive toxicity	:	Category 1A
Effects on or via lactation		
Specific target organ toxicity - repeated exposure	:	Category 2 (Kidney, inner ear)
Specific target organ toxicity - repeated exposure (Oral)	:	Category 2 (Gastrointestinal tract, Nervous system, Skin, Teeth)
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. H373 May cause damage to organs (Kidney, inner ear) through prolonged or repeated exposure. H373 May cause damage to organs (Gastrointestinal tract, Nervous system, Skin, Teeth) through prolonged or repeated exposure if swallowed.



Prednisolone / Neomycin / Tetracycline / Bacitracin Formulation

/ersion 2.1	Revision Date: 09/28/2024	SDS Number: 407520-00025	Date of last issue: 07/06/2024 Date of first issue: 01/07/2016
Preca	autionary Statements	P202 Do not ha and understood P260 Do not br P263 Avoid con P264 Wash ski P270 Do not ea P272 Contamir the workplace.	eathe mist or vapors. Intact during pregnancy and while nursing. In thoroughly after handling. At, drink or smoke when using this product. Inated work clothing must not be allowed out of tective gloves, protective clothing, eye protectior
		P308 + P313 II P333 + P313 If tion.	ON SKIN: Wash with plenty of soap and water. exposed or concerned: Get medical attention. skin irritation or rash occurs: Get medical atten- ntaminated clothing before reuse.
		Storage: P405 Store loc	ked up.
		Disposal: P501 Dispose disposal plant.	of contents and container to an approved waste
Othe	r hazards		
	known.		
ECTION	3. COMPOSITION/INFO		PEDIENTS
Subs	tance / Mixture	: Mixture	
Com	ponents		
Chem	nical name	CAS-No.	Concentration (% w/w)
\A/bitc	mineral oil (netroloum)	9042 47 5	07 7

CAS-No.	Concentration (% w/w)
8042-47-5	87.7
1405-10-3	4.6
557-04-0	4.6
64-75-5	2.43
1405-87-4	0.365
50-24-8	0.126
	1405-10-3 557-04-0 64-75-5 1405-87-4

SECTION 4. FIRST AID MEASURES

General advice	:	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical
If inhaled	:	advice. If inhaled, remove to fresh air.



Prednisolone / Neomycin / Tetracycline / Bacitracin Formulation

Version 12.1	Revision Date: 09/28/2024	SDS Number: 407520-00025	Date of last issue: 07/06/2024 Date of first issue: 01/07/2016		
In case of skin contact		: In case of cor of water. Remove cont Get medical a	Get medical attention. In case of contact, immediately flush skin with soap and plent of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse.		
In cas	se of eye contact	Thoroughly cl : Flush eyes wi	ean shoes before reuse. th water as a precaution.		
If swallowed		: If swallowed, Get medical a	Get medical attention if irritation develops and persists. If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.		
Most important symptoms and effects, both acute and delayed		: May cause ar May damage May cause ha	May cause an allergic skin reaction. May damage the unborn child. May cause harm to breast-fed children. May cause damage to organs through prolonged or repeated exposure		
	ction of first-aiders	: First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).			
inotes	to physician	. Treat symptol	matically 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



Prednisolone / Neomycin / Tetracycline / Bacitracin Formulation

Versi 12.1	on	Revision Date: 09/28/2024		0S Number: 7520-00025	Date of last issue: 07/06/2024 Date of first issue: 01/07/2016
t	tive equ	al precautions, protec- upment and emer- procedures	:	Follow safe handl	tective equipment. ing advice (see section 7) and personal nent 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		:	For large spills, procontainment to kee can be pumped, so container. Clean up remaining absorbent. Local or national up disposal of this more employed in the co determine which more Sections 13 and 1	t absorbent material. rovide diking or other appropriate eep material from spreading. If diked material store recovered material in appropriate ng materials from spill with suitable regulations may apply to releases and aterial, as well as those materials and items cleanup of releases. You will need to regulations are applicable. I5 of this SDS provide information regarding attional 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



Version	Revision Date:	SDS Number:	Date of last issue: 07/06/2024
12.1	09/28/2024	407520-00025	Date of first issue: 01/07/2016

Self-reactive substances and mixtures Organic peroxides Explosives Gases

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

0				Desis
Components	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	
		exposure)	concentration	
White mineral oil (petroleum)	8042-47-5	TWA (Mist)	5 mg/m ³	OSHA Z-1
		TWA (Inhal-	5 mg/m ³	ACGIH
		able particu-	-	
		late matter)		
		TWA (Mist)	5 mg/m ³	NIOSH REL
		ST (Mist)	10 mg/m ³	NIOSH REL
Neomycin, sulfate (salt)	1405-10-3	TWA	1 mg/m3 (OEB 1)	Internal
	Further inform	ation: DSEN, OT	0	
		Wipe limit	0.1 mg/100 cm ²	Internal
Magnesium stearate	557-04-0	TWA (Inhal-	10 mg/m ³	ACGIH
Ĵ,		able particu-	, , , , , , , , , , , , , , , , , , ,	
		late matter)		
		TWA (Res-	3 mg/m ³	ACGIH
		pirable par-		
		ticulate mat-		
		ter)		
Tetracycline hydrochloride	64-75-5	TŴA	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., 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.

Personal protective equipment

Respiratory protection

: General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where

according to the OSHA Hazard Communication Standard



Prednisolone / Neomycin / Tetracycline / Bacitracin Formulation

Version 12.1	Revision Date: 09/28/2024		Number: 0-00025	Date of last issue: 07/06/2024 Date of first issue: 01/07/2016
Hand	protection	un Fc us by ha su rel cir	known, approp illow OSHA res e NIOSH/MSH air purifying re zardous chemi pplied respirato ease, exposure	e above recommended limits or are riate respiratory protection should be worn. pirator regulations (29 CFR 1910.134) and A approved respirators. Protection provided spirators against exposure to any cal is limited. Use a positive pressure air or if there is any potential for uncontrolled e levels are unknown, or any other ere air purifying respirators may not provide on.
Ма	iterial	: Ch	nemical-resistar	nt gloves
-	marks rotection	: Wa If t mi Wa po	he work enviro sts or aerosols ear a faceshield	gloving. ses with side shields or goggles. nment or activity involves dusty conditions, , wear the appropriate goggles. d or other full face protection if there is a t contact to the face with dusts, mists, or
Skin a	and body protection	Ac tas dis Us	lditional body g sk being perforr sposable suits)	aboratory coat. arments should be used based upon the ned (e.g., sleevelets, apron, gauntlets, to avoid exposed skin surfaces. degowning techniques to remove potentially thing.
Hygiei	ne measures	: If e ey Wi Co Wi Co Wi Th en ap	exposure to che e flushing syste orking place. hen using do no ontaminated wo orkplace. ash contaminat he effective ope gineering contr propriate dego	emical is likely during typical use, provide ems and safety showers close to the ot eat, drink or smoke. In clothing should not be allowed out of the ed clothing before re-use. ration of a facility should include review of ols, proper personal protective equipment, whing and decontamination procedures, e monitoring, medical surveillance and the

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



Prednisolone / Neomycin / Tetracycline / Bacitracin Formulation

Ver: 12.1	sion I	Revision Date: 09/28/2024		S Number: 7520-00025	Date of last issue: 07/06/2024 Date of first issue: 01/07/2016
	Initial b range	oiling point and boiling	:	No data available)
	Flash p	oint	:	No data available)
	Evapor	ation rate	:	No data available	9
	Flamma	ability (solid, gas)	:	Not applicable	
	Flamma	ability (liquids)	:	No data available)
		explosion limit / Upper bility limit	:	No data available)
		explosion limit / Lower bility limit	:	No data available	
	Vapor p	pressure	:	No data available)
	Relative	e vapor density	:	No data available)
	Relative	e density	:	No data available)
	Density	,	:	No data available)
	Solubili Wat	ty(ies) er solubility	:	No data available)
	Partitio octanol	n coefficient: n-	:	Not applicable	
		hition temperature	:	No data available)
	Decom	position temperature	:	No data available)
	Viscosi Visc	ty cosity, kinematic	:	No data available	9
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance of	r mixture is not classified as oxidizing.
	Molecu	lar weight	:	No data available	9
	Particle Particle	e characteristics e size	:	Not applicable	

SECTION 10. STABILITY AND REACTIVITY

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



Versic 12.1		Revision Date: 09/28/2024		S Number: 7520-00025	Date of last issue: 07/06/2024 Date of first issue: 01/07/2016				
ti C Ir H	ions Conditio ncompa	ity of hazardous reac- ons to avoid atible materials ous decomposition	:	None known. Oxidizing agents	rong oxidizing agents. composition products are known.				
SECT	SECTION 11. TOXICOLOGICAL INFORMATION								
lr S Ir	nforma nhalatic Skin cor ngestio Eye con	ntact n	of e	exposure					
A	Acute to	oxicity							
		sified based on availa	ble i	information.					
	Product Acute or	<u>t:</u> ral toxicity	:	Acute toxicity estin Method: Calculation	mate: > 5,000 mg/kg on method				
<u>c</u>	Compo	nents:							
v	Nhite m	nineral oil (petroleum	n):						
A	Acute or	al toxicity	:	LD50 (Rat): > 5,00	00 mg/kg				
A	Acute in	halation toxicity	:	LC50 (Rat): > 5 m Exposure time: 4 l Test atmosphere: Assessment: The tion toxicity	ĥ				
А	Acute de	ermal toxicity	:	LD50 (Rabbit): > 2 Assessment: The toxicity	2,000 mg/kg substance or mixture has no acute dermal				
N	Neomvo	cin, sulfate (salt):							
	-	al toxicity	:	LD50 (Mouse): 2,8	880 mg/kg				
				LD50 (Rat): 2,750	mg/kg				
	Acute to administ	xicity (other routes of tration)	:	LD50 (Rat): 633 n Application Route					
				LD50 (Mouse): 11 Application Route					
				LD50 (Mouse): 27 Application Route					



Vers 12.1	ion	Revision Date: 09/28/2024		S Number: 7520-00025	Date of last issue: 07/06/2024 Date of first issue: 01/07/2016
				LD50 (Mouse): 27 Application Route	
	Magnes	sium stearate:			
	-	ral toxicity	:	icity	
	Acute d	ermal toxicity	:	LD50 (Rabbit): >2 Remarks: Based o	2,000 mg/kg on data from similar materials
	Tetracy	cline hydrochloride:			
	Acute o	ral toxicity	:	LD50 (Rat): 6,443	mg/kg
				LD50 (Mouse): 2,7	759 mg/kg
	Acute to adminis	oxicity (other routes of tration)	:	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:			
	-	ral toxicity	:	LD50 (Mouse): 1,6	680 mg/kg
				LD50 (Rat): > 3,85	57 mg/kg
	Acute ir	halation toxicity	:	Remarks: No data	a available
	Acute d	ermal toxicity	:	Remarks: No data	a available
	Acute to adminis	oxicity (other routes of tration)	:	LD50 (Rat): 147 m Application Route	
				LD50 (Mouse): 76 Application Route	

Skin corrosion/irritation

Not classified based on available information.

Components:

White mineral oil (petroleum):





Version 12.1	Revision Date: 09/28/2024	SDS Number: 407520-00025	Date of last issue: 07/06/2024 Date of first issue: 01/07/2016
Spe Res		: Rabbit : No skin irritatio	n
Neo	mycin, sulfate (salt):		
Spe Res		: Rabbit : Mild skin irritat	ion
Mag	nesium stearate:		
Spe	cies	: Rabbit	
Res Rem	narks	: No skin irritation: Based on data	from similar materials
Tetr	acycline hydrochloride	:	
Rem	narks	: No data availa	ble
-	Inisolone:		
Rem	narks	: No data availa	ble
	ous eye damage/eye in classified based on avail		
Con	<u>iponents:</u>		
Whi	te mineral oil (petroleu	m):	
Spe Res		: Rabbit : No eye irritatio	n
Neo	mycin, sulfate (salt):		
Spe		: Rabbit	
Res	uit	: No eye irritatio	n
Mag	nesium stearate:		
Spe		: Rabbit	
Res Rem	uit narks	: No eye irritatio : Based on data	n from similar materials
Tetr	acycline hydrochloride	:	
Rem	narks	: No data availa	ble
prec	Inisolone:		
-	narks	: No data availa	ble

according to the OSHA Hazard Communication Standard



Version 12.1	Revision Date: 09/28/2024	-	DS Number: 07520-00025	Date of last issue: 07/06/2024 Date of first issue: 01/07/2016
Res	piratory or skin sensitiz	zatio	on.	
-	sensitization	Luin	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
•	cause an allergic skin re	acti	on.	
-	piratory sensitization			
-	classified based on avail	able	information.	
Com	ponents:			
Whit	te mineral oil (petroleu	m):		
	Туре	:	Buehler Test	
Rout	tes of exposure	:	Skin contact	
Spec		:	Guinea pig	
Resu	ult	:	negative	
Neo	mycin, sulfate (salt):			
	tes of exposure	:	Dermal	
Spec		:	Humans	
Resi	ult	:	positive	
Mag	nesium stearate:			
Test	Туре	:	Maximization Tes	t
	tes of exposure	:	Skin contact	
Spec		:	Guinea pig	
Meth Resi		:	OECD Test Guide	eline 406
	arks	:	negative Based on data fro	om similar materials
Tata		_		
	acycline hydrochloride	:	No doto ovoiloble	
Rem	arks	:	No data available	
Baci	itracin:			
Test	Туре	:	Human repeat ins	sult patch test (HRIPT)
	tes of exposure	:	Skin contact	
Resi	ult	:	positive	
Asse	essment	:	Probability or evid	lence of skin sensitization in humans
pred	Inisolone:			
-	arks	:	No data available	
		-		
	n cell mutagenicity			
Not	classified based on avail	able	information.	
Com	<u>iponents:</u>			
Whit	te mineral oil (petroleu	m):		
Gen	otoxicity in vitro	:	Test Type: In vitro	o mammalian cell gene mutation test



Versior 12.1	n Revision Date: 09/28/2024		0S Number: 7520-00025	Date of last issue: 07/06/2024 Date of first issue: 01/07/2016
			Result: negative	
Ge	enotoxicity in vivo	:	cytogenetic assay Species: Mouse Application Route Method: OECD T Result: negative	: Intraperitoneal injection
Ne	eomycin, sulfate (salt):			
	enotoxicity 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
Ge	enotoxicity in vivo	:	Test Type: Cytoge Species: Mouse Cell type: Bone m Application Route Result: negative	-
Ма	agnesium stearate:			
	enotoxicity 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
Те	tracycline hydrochloride:			
	enotoxicity in vitro	:	Test Type: Bacter Result: negative	rial reverse mutation assay (AMES)
			Test Type: Cytoge	enetic assay



Prednisolone / Neomycin / Tetracycline / Bacitracin Formulation

Bacitracin: Genotoxicity in vi prednisolone: Genotoxicity in vi	tro :	Result: negative Test Type: sister of Result: negative Test Type: Mouse Result: negative Test Type: Bacter Result: negative Remarks: Based of Test Type: In vitro	nese hamster ovary cells chromatid exchange assay e Lymphoma rial reverse mutation assay (AMES) on data from similar materials
Genotoxicity in vi	tro :	Result: negative Test Type: Mouse Result: negative Test Type: Bacter Result: negative Remarks: Based of Test Type: In vitro	e Lymphoma ial reverse mutation assay (AMES)
Genotoxicity in vi	tro :	Result: negative Test Type: Bacter Result: negative Remarks: Based o Test Type: In vitro	ial reverse mutation assay (AMES)
Genotoxicity in vi	tro :	Result: negative Remarks: Based of Test Type: In vitro	
prednisolone:	tro :	Result: negative Remarks: Based of Test Type: In vitro	
•			
•		Result: negative Remarks: Based o	o mammalian cell gene mutation test on data from similar materials
•		Result: negative	nosome aberration test in vitro
Genotoxicity in vi			
	tro :	Test Type: Bacter Result: negative	ial reverse mutation assay (AMES)
		Test Type: Mouse Result: negative	e Lymphoma
		Test Type: sister of Result: negative	chromatid exchange assay
Genotoxicity in vi	vo :	Test Type: Mamm cytogenetic assay Species: Rat Application Route Result: negative	
		Test Type: sister of Species: Humans Result: negative	chromatid exchange assay
Carcinogenicity			
Not classified bas Components:	sed on available	e information.	

Components:

White mineral oil (petroleum):

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

according to the OSHA Hazard Communication Standard



ersion 1	Revision Date: 09/28/2024	SDS Number: 407520-00025	Date of last issue: 07/06/2024 Date of first issue: 01/07/2016
Resul	t	: negative	
Neom	ycin, sulfate (salt):		
Speci		: Rat	
	sure time	: 2 Years	
Resul		: negative	
Tetra	cycline hydrochloride	e :	
Speci	es	: Rat	
	ation Route	: Oral	
	sure time	: 103 W	
Resul	t	: negative	
Speci		: Mouse	
	ation Route	: Oral	
	sure time	: 103 W	
Resul	t	: negative	
predr	isolone:		
Speci	es	: Rat	
Applic	ation Route	: Oral	
Expos	sure time	: 18 Months	
Resul	t	: negative	
IARC			esent at levels greater than or equal to 0.1% is or confirmed human carcinogen by IARC.
OSHA		ent of this product pr ist of regulated carc	resent at levels greater than or equal to 0.1% is inogens.
NTP			esent at levels greater than or equal to 0.1% is ted carcinogen by NTP.
Repro	oductive toxicity		
May c	lamage the unborn chi		
	ause harm to breast-fe	ed children.	
	oonents:		
	mineral oil (petroleu		
Effect	s on fertility		ne-generation reproduction toxicity study
		Species: Rat	
		Application R Result: negat	oute: Skin contact ive
F# '	o on fotal deviations	0	
Ellect	s on fetal developmen	Species: Rat	nbryo-fetal development
			oute: Ingestion
		Result: negat	
		Result. negat	



Vers 12.1		Revision Date: 09/28/2024		9S Number: 7520-00025	Date of last issue: 07/06/2024 Date of first issue: 01/07/2016
	Neomy	cin, sulfate (salt):			
	-	on fertility	:	Species: Rat Application Route General Toxicity F	Parent: NOAEL: 25 mg/kg body weight
	Effects	on fetal development	:	Species: Rat Application Route Embryo-fetal toxic Result: No advers Test Type: Develo	city.: NOAEL: 275 mg/kg body weight se effects., No teratogenic effects.
				Species: Rat Application Route Developmental To Result: positive	: Subcutaneous oxicity: LOAEL: 6 mg/kg body weight
	Reprod sessme	uctive toxicity - As- ent	:	Some evidence o animal experimen	f adverse effects on development, based on ts.
	Magne	sium stearate:			
	Effects	on fertility	:	reproduction/deve Species: Rat Application Route Method: OECD To Result: negative	
	Effects	on fetal development	:	Species: Rat Application Route Result: negative	ro-fetal development : Ingestion on data from similar materials
	Tetracy	cline hydrochloride:			
	-	on fertility	:	Test Type: Fertilit Species: Rat Application Route Fertility: NOAEL: Result: No effects	: Oral 400 mg/kg body weight
	Effects	on fetal development	:		opment etal toxicity., Specific developmental seletal malformations.
	Reprod sessme	uctive toxicity - As- ent	:		a hazard to babies during the lactation age the unborn child.



Vers 12.1		Revision Date: 09/28/2024		98 Number: 7520-00025	Date of last issue: 07/06/2024 Date of first issue: 01/07/2016
Bacitracin: Effects on fertility		:	Species: Rat Application Route Result: negative	•	
	Effects	on fetal development	:	Test Type: Embry Species: Rat Application Route Result: negative	on data from similar materials o-fetal development : Ingestion on data from similar materials
	prednis	solone:			
	-	on fertility	:	Species: Rat Application Route	1 mg/kg body weight
	Effects	on fetal development	:	Species: Mouse Application Route Developmental To	o-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
					: Subcutaneous oxicity: NOAEL: 25 mg/kg body weight on fetal development.
	Reprod sessme	luctive toxicity - As- ent	:	Some evidence or animal experiment	f adverse effects on development, based on ts.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

May cause damage to organs (Kidney, inner ear) through prolonged or repeated exposure. May cause damage to organs (Gastrointestinal tract, Nervous system, Skin, Teeth) through prolonged or repeated exposure if swallowed.





	Version Revision Date: 12.1 09/28/2024		SDS Number: 407520-00025		Date of last issue: 07/06/2024 Date of first issue: 01/07/2016	
	Compo	onents:				
		vcin, sulfate (salt):				
	Target Organs Assessment Remarks		:	Kidney, inner ear May cause damage exposure.	ge to organs through prolonged or repeated	
			:	Based on human	experience.	
	Tetrac	ycline hydrochloride:				
		of exposure Organs ment	:		act, Nervous system, Skin, Teeth ge to organs through prolonged or repeated	
	Bacitra	acin:				
	Assess	ment	:	No significant heations of 100 mg/kg	Ith effects observed in animals at concentra- g bw or less.	
	predni	solone:				
	Target Assess	Organs ment	:	Bone marrow, Ad Causes damage t exposure.	renal gland, Liver o organs through prolonged or repeated	
	Repeat	ted dose toxicity				
	<u>Compo</u>	onents:				
	White	mineral oil (petroleum	ו):			
	Specie: LOAEL		÷	Rat 160 mg/kg		
		Ition Route	÷	Ingestion		
		ire time	:	90 Days		
	Specie	S	:	Rat		
	LÖAEL		:	>= 1 mg/l		
		ition Route ire time	÷	inhalation (dust/m 4 Weeks	list/fume)	
	Method		:	OECD Test Guide	eline 412	
	Neomy	/cin, sulfate (salt):				
	Specie		:	Mouse		
			÷	30 mg/kg		
		ition Route ire time	÷	Subcutaneous 14 d		
		Organs	:	Kidney		
	Specie		:	Guinea pig		
	NOAEL		÷	50 mg/kg		
	LOAEL		•	100 mg/kg		

according to the OSHA Hazard Communication Standard



Version 12.1	Revision Date: 09/28/2024	SDS Number: 407520-00025	Date of last issue: 07/06/2024 Date of first issue: 01/07/2016
Expos	ation Route ure time t Organs	: Intramuscular : 30 - 60 Weeks : ear	
	L ation Route ure time	: Guinea pig : 10 mg/kg : Oral : 90 d : No significant a	adverse effects were reported
		: Guinea pig : 100 mg/kg : Subcutaneous : 34 d	
Expos		: Dog : 24 mg/kg : Intramuscular : 30 d : Kidney	
Expos	L ation Route ure time t Organs coms	: Rat : 25 mg/kg : oral (feed) : 84 Weeks : ear : hearing loss : mortality obser	ved
Expos		: Dog : 20 mg/kg : Subcutaneous : 90 d : Kidney	
Specie NOAE Applic	L ation Route ure time	: Rat : > 100 mg/kg : Ingestion : 90 Days : Based on data	from similar materials
Specie NOAE LOAE Applic Expos	L L ation Route ure time t Organs	: : Rat : 625 mg/kg : 1,250 mg/kg : oral (feed) : 13 W : Liver : Reduced body	weight

according to the OSHA Hazard Communication Standard



Version 12.1	Revision Date: 09/28/2024	SDS Numbe 407520-0002	
NO LOA App Exp	cies AEL AEL lication Route osure time nptoms	: Mouse : 3,750 mg : 7,500 mg : oral (feed : 13 W : Reduced	j/kg
Bac	itracin:		
LÖA App Exp	cies AEL lication Route osure time narks	: Rat : > 10 mg/ : Ingestion : 13 Week : Based or	
pre	dnisolone:		
Spe LOA App Exp	cies	: Rat : 0.6 mg/k : Oral : 63 Days : Bone ma	-
LÖA App Exp	cies AEL lication Route osure time get Organs	Dog 2.5 mg/k Oral 6 Weeks Adrenal	
LÖA App Exp	cies AEL lication Route osure time get Organs	: Rabbit : 1 mg/kg : Oral : 24 Week : Liver	S
Not	piration toxicity classified based on availa nponents:	able informatio	n.
Tet	racycline hydrochloride applicable		
Exc	erience with human exp	osure	
-	nponents:		
Nec	omycin, sulfate (salt):		ns: Sensitization
	contact estion	: Remarks	: May irritate skin. : May cause eye irritation. ns: Nausea, Vomiting, Diarrhea, tinnitus, hearing loss,



rsion 1	Revision Date: 09/28/2024		DS Number: 7520-00025	Date of last issue: 07/06/2024 Date of first issue: 01/07/2016
			Loss of balance	
Tetra	cycline hydrochloride:			
Inges	tion	:	Diarrhea, Liver et fects	rointestinal disturbance, Nausea, Vomiting, fects, skin rash, central nervous system ef- ause sensitization of susceptible persons. sensitization.
predr	nisolone:			
Ingest	tion	:		m retention, Headache, Vertigo, fluid reten us bleeding, striae, skin atrophy, menstrual
CTION	12. ECOLOGICAL INFO	DRN	MATION	
Ecoto	oxicity			
	oxicity oonents:			
<u>Comp</u>	-	ı):		
<u>Comp</u> White	oonents:	ו):	Exposure time: 9	chus mykiss (rainbow trout)): > 100 mg/l 6 h est Guideline 203
Comr White Toxici	<u>oonents:</u> e mineral oil (petroleum	:	Exposure time: 9 Method: OECD T EC50 (Daphnia n Exposure time: 4	6 h est Guideline 203 nagna (Water flea)): > 100 mg/l
Comp White Toxici Toxici aquat	ponents: e mineral oil (petroleum ity to fish ity to daphnia and other ic invertebrates ity to algae/aquatic	:	Exposure time: 9 Method: OECD T EC50 (Daphnia n Exposure time: 4 Method: OECD T NOEC (Pseudoki mg/l Exposure time: 7	6 h rest Guideline 203 nagna (Water flea)): > 100 mg/l 8 h rest Guideline 202 rchneriella subcapitata (green algae)): 100
Comp White Toxici aquat Toxici plants	ponents: e mineral oil (petroleum ity to fish ity to daphnia and other ic invertebrates ity to algae/aquatic	:	Exposure time: 9 Method: OECD T EC50 (Daphnia n Exposure time: 4 Method: OECD T NOEC (Pseudoki mg/l Exposure time: 7 Method: OECD T	6 h fest Guideline 203 nagna (Water flea)): > 100 mg/l 8 h fest Guideline 202 rchneriella subcapitata (green algae)): 100 2 h fest Guideline 201 nchus mykiss (rainbow trout)): 1,000 mg/l
Comp White Toxici aquat Toxici plants Toxici icity) Toxici	ponents: e mineral oil (petroleum ity to fish ity to daphnia and other ic invertebrates ity to algae/aquatic ity to fish (Chronic tox- ity to daphnia and other ic invertebrates (Chron-	:	Exposure time: 9 Method: OECD T EC50 (Daphnia n Exposure time: 4 Method: OECD T NOEC (Pseudoki mg/l Exposure time: 7 Method: OECD T NOEC (Oncorhyr Exposure time: 2	6 h Test Guideline 203 nagna (Water flea)): > 100 mg/l 8 h Test Guideline 202 rchneriella subcapitata (green algae)): 100 2 h Test Guideline 201 nchus mykiss (rainbow trout)): 1,000 mg/l 8 d magna (Water flea)): 1,000 mg/l

Toxicity to daphnia and other
aquatic invertebratesEC50 (Daphnia magna (Water flea)): > 72 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

LC50 (Americamysis): 39 mg/l Exposure time: 96 h Method: US-EPA OPPTS 850.1035



Version 12.1	Revision Date: 09/28/2024		0S Number: 7520-00025	Date of last issue: 07/06/2024 Date of first issue: 01/07/2016
plant	S		Exposure time: 72 Method: OECD To	2 h est Guideline 201
			NOEC (Anabaena Exposure time: 72 Method: OECD Te	
			EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD To	
			NOEC (Pseudokir 0.0022 mg/l Exposure time: 72 Method: OECD Te	
Toxic	ity 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
Magr	nesium stearate:			
-	ity to fish	:	Exposure time: 48 Method: DIN 384	
	ity to daphnia and other tic invertebrates	:	Exposure time: 47 Test substance: V Method: Directive	Vater Accommodated Fraction 67/548/EEC, Annex V, C.2. on data from similar materials
Toxic plant	ity to algae/aquatic s	:	mg/l Exposure time: 72 Test substance: V Method: OECD Te	Vater Accommodated Fraction est Guideline 201 on data from similar materials
			mg/l Exposure time: 72	tirchneriella subcapitata (green algae)): > 1 2 h Vater Accommodated Fraction



Version 12.1	Revision Date: 09/28/2024		9S Number: 7520-00025	Date of last issue: 07/06/2024 Date of first issue: 01/07/2016
				est Guideline 201 on data from similar materials
Toxic	ity to microorganisms	:	Exposure time: 1 Test substance:	onas putida): > 100 mg/l 6 h Water Accommodated Fraction on data from similar materials
Tetra	cycline hydrochloride:			
	to algae/aquatic	:	EC50 (Anabaena Exposure time: 7	a flos-aquae (cyanobacterium)): 6.2 mg/l 2 h
			NOEC (Anabaen Exposure time: 7	a flos-aquae (cyanobacterium)): 2.5 mg/l 2 h
			EC50 (Pseudokin mg/l Exposure time: 7	rchneriella subcapitata (green algae)): 3.31 2 h
			NOEC (Pseudok mg/l Exposure time: 7	irchneriella subcapitata (green algae)): 0.032 2 h
			EC50 (Microcyst Exposure time: 7	s aeruginosa (blue-green algae)): 0.09 mg/l d
Toxic	ity to microorganisms	:	EC50: 0.08 mg/l Exposure time: 3 Test Type: Resp Method: OECD T	
Bacit	tracin:			
Toxic		:	EC50 (Artemia s Exposure time: 4	alina (brine shrimp)): 21.8 mg/l 8 h
Toxic plant	ity to algae/aquatic s	:	Exposure time: 1	a flos-aquae (cyanobacterium)): 10 mg/l 0 d ⁻ est Guideline 201
pred	nisolone:			
Toxic	ity to daphnia and other tic invertebrates	:	EC50 (Daphnia r Exposure time: 4	nagna (Water flea)): > 85 mg/l 8 h
Toxic plant	tity to algae/aquatic s	:	NOEC (Pseudok mg/l Exposure time: 7	irchneriella subcapitata (green algae)): 160 2 h
			EC50 (Pseudokin mg/l Exposure time: 7	rchneriella subcapitata (green algae)): > 160 2 h



Vers 12.1		Revision Date: 09/28/2024		9S Number: 7520-00025	Date of last issue: 07/06/2024 Date of first issue: 01/07/2016
		y to daphnia and other invertebrates (Chron- ty)	:	NOEC (Ceriodaph Exposure time: 7 d	nia dubia (water flea)): 0.23 mg/l d
	Persist	ence and degradabili	ty		
	Compo	onents:			
		nineral oil (petroleum radability): :	Result: Not readily Biodegradation: 3 Exposure time: 28	31 %
	-	r cin, sulfate (salt): radability	:	Result: rapidly deg Biodegradation: 5 Exposure time: 1.2 Method: OECD Te	50 % 2 d
	Magne	sium stearate:			
	Biodeg	radability	:	Result: Not biodeo Remarks: Based o	gradable on data from similar materials
	Bioacc	umulative potential			
	Compo	onents:			
	-	r cin, sulfate (salt): n coefficient: n- /water	:	log Pow: < -2	
	-	sium stearate: n coefficient: n- /water	:	log Pow: > 4	
	-	/cline hydrochloride: n coefficient: n- /water	:	log Pow: -1.37 pH: 7	
	Bacitra Partition octanol	n coefficient: n-	:	log Pow: -0.8	
	-	solone: n coefficient: n- /water	:	log Pow: 1.46	
		y in soil a available			



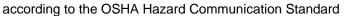


Version 12.1	Revision Date: 09/28/2024	SDS Number: 407520-00025	Date of last issue: 07/06/2024 Date of first issue: 01/07/2016
	r adverse effects ata available		
ECTION	13. DISPOSAL CONSI	DERATIONS	
Disp	osal methods		
Wast	e from residues		accordance with local regulations.
Conta	aminated packaging	: Empty contair handling site f	ners should be taken to an approved waste for recycling or disposal. se specified: Dispose of as unused product.
UNR [.] UN n	TDG umber	: UN 3082	
-	-	: UN 3082	
Prope	er shipping name	N.O.S.	NTALLY HAZARDOUS SUBSTANCE, LIQUID,
Class	2	(Neomycin, s : 9	ulfate (salt), tetracycline hydrochloride)
	ing group	: 111	
Labe		: 9	
Envir	onmentally hazardous	: yes	
ΙΑΤΑ	-DGR		
UN/I		: UN 3082	
Prope	er shipping name		Illy hazardous substance, liquid, n.o.s. Julfate (salt), Tetracycline hydrochloride)
Class		: 9	
	ing group	: !!!	
Labe	ic .	: Miscellaneous	8

Class	:	9
Packing group	:	III
Labels	:	Miscellaneous
Packing instruction (cargo aircraft)	:	964
Packing instruction (passen- ger aircraft)	:	964
Environmentally hazardous	:	yes
IMDG-Code		
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
EmS Code	:	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.





Prednisolone / Neomycin / Tetracycline / Bacitracin Formulation

Version 12.1	Revision Date: 09/28/2024	SDS Number: 407520-00025	Date of last issue: 07/06/2024 Date of first issue: 01/07/2016
Dome	estic regulation		
49 CF	R		
•••••	/NA number	: UN 3082	
Prope	r shipping name		ally hazardous substance, liquid, n.o.s. sulfate (salt), Tetracycline hydrochloride)
Class		: 9	
Packir	ng group	: 111	
Labels	S	: CLASS 9	
ERG (Code	: 171	
Marin	e pollutant	: yes(Neomyc	in, sulfate (salt), Tetracycline hydrochloride)
Rema	•		s only to containers over 119 gallons or 450
		may be shipp	ground under DOT is non-regulated; however it bed per the applicable hazard classification to ti-modal transport involving ICAO (IATA) or IMO.

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

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:	Respiratory or ski Reproductive toxi Specific target or		eated exposure)
SARA 313	:	The following components are subject to reporting levels established by SARA Title III, Section 313:		
		Tetracycline hy- drochloride	64-75-5	2.43 %
US State Regulations				

Pennsylvania Right To Know	
White mineral oil (petroleum)	8042-47-5
Magnesium stearate	557-04-0
Neomycin, sulfate (salt)	1405-10-3



Version	Revision Date:	SDS Number:	Date of last issue: 07/06/2024
12.1	09/28/2024	407520-00025	Date of first issue: 01/07/2016

California Prop. 65

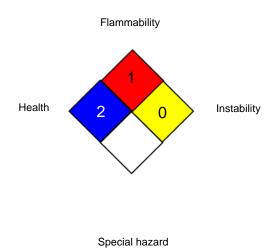
WARNING: This product can expose you to chemicals including Neomycin, sulfate (salt), which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

California List of Hazardous SubstancesWhite mineral oil (petroleum)8042-47-5			
California Permissible Exposure Limits for Chemical ContaminantsWhite mineral oil (petroleum)8042-47-5Magnesium stearate557-04-0			
The ingredients of this pro- AICS	duct are reported in the following inv : not determined	ventories:	
DSL	: not determined		
IECSC	: not determined		

SECTION 16. OTHER INFORMATION



NFPA 704:



HMIS® IV:



HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

ACGIH NIOSH REL		USA. ACGIH Threshold Limit Values (TLV) USA. NIOSH Recommended Exposure Limits
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim- its for Air Contaminants
ACGIH / TWA NIOSH REL / TWA		8-hour, time-weighted average Time-weighted average concentration for up to a 10-hour



Version 12.1	Revision Date: 09/28/2024	SDS Number: 407520-00025	Date of last issue: 07/06/2024 Date of first issue: 01/07/2016
NIOS	H REL / ST	: STEL - 15-mir	g a 40-hour workweek nute TWA exposure that should not be exceeded ring a workday
OSHA Z-1 / TWA		: 8-hour time w	

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials: bw - Body weight: CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification System; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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/

Revision Date

: 09/28/2024

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



Version	Revision Date:	SDS Number:	Date of last issue: 07/06/2024
12.1	09/28/2024	407520-00025	Date of first issue: 01/07/2016

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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