according to the OSHA Hazard Communication Standard



## **Gentamicin / Betamethasone Formulation**

Version	Revision Date:	SDS Number:	Date of last issue: 04/04/2023
6.10	09/30/2023	434598-00022	Date of first issue: 01/06/2016

#### **SECTION 1. IDENTIFICATION**

Product name	:	Gentamicin / Betamethasone Formulation
Manufacturer or supplier's	deta	ails
Company name of supplier Address		Merck & Co., Inc 126 E. Lincoln Avenue Rahway, New Jersey U.S.A. 07065
Telephone Emergency telephone E-mail address	:	908-740-4000 1-908-423-6000 EHSDATASTEWARD@merck.com
Recommended use of the c	her	nical and restrictions on use
Recommended use Restrictions on use	:	Veterinary product Not applicable

#### **SECTION 2. HAZARDS IDENTIFICATION**

GHS classification in accore 1910.1200)	GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)				
Reproductive toxicity	:	Category 1A			
Specific target organ toxicity - repeated exposure	:	Category 1 (Pituitary gland, Immune system, muscle, thymus gland, Blood, Adrenal gland)			
GHS label elements					
Hazard pictograms	:				
Signal Word	:	Danger			
Hazard Statements	:	H360D May damage the unborn child. H372 Causes damage to organs (Pituitary gland, Immune sys- tem, muscle, thymus gland, Blood, Adrenal gland) through pro- longed or repeated exposure.			
Precautionary Statements	:	<ul> <li>Prevention:</li> <li>P201 Obtain special instructions before use.</li> <li>P202 Do not handle until all safety precautions have been read and understood.</li> <li>P260 Do not breathe mist or vapors.</li> <li>P264 Wash skin thoroughly after handling.</li> <li>P270 Do not eat, drink or smoke when using this product.</li> <li>P280 Wear protective gloves, protective clothing, eye protection and face protection.</li> <li>Response:</li> <li>P308 + P313 IF exposed or concerned: Get medical attention.</li> </ul>			

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#### Storage:

P405 Store locked up.

#### Disposal:

P501 Dispose of contents and container to an approved waste disposal plant.

#### Other hazards

None known.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	:	Mixture
---------------------	---	---------

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Polyethylene glycol stearate	9004-99-3	5
Gentamicin	1403-66-3	0.49
Betamethasone	378-44-9	0.1

### **SECTION 4. FIRST AID MEASURES**

General advice		In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled		If inhaled, remove to fresh air. Get medical attention.
In case of skin contact		In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed Protection of first-aiders	:	May damage the unborn child. Causes damage to organs through prolonged or repeated exposure. First Aid responders should pay attention to self-protection,
Notes to physician		and use the recommended personal protective equipment when the potential for exposure exists (see section 8). Treat symptomatically and supportively.

### **SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media :

Water spray Alcohol-resistant foam



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medi Spec fightii	ific hazards during fire	Carbon dio: Dry chemic None know Exposure to Carbon oxio	al n. o combustion products may be a hazard to health.
ods	ific extinguishing meth-	: Use extinguishing measures that are appropriate to local c cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to so. Evacuate area.	
	ial protective equipment e-fighters		of fire, wear self-contained breathing apparatus. al protective equipment.
SECTION	6. ACCIDENTAL RELE	ASE MEASURE	S
tive e	Personal precautions, protec- tive equipment and emer- gency procedures		al protective equipment. handling advice (see section 7) and personal quipment recommendations (see section 8).
Envir	Environmental precautions		se to the environment. her leakage or spillage if safe to do so. eading over a wide area (e.g., by containment or dispose of contaminated wash water. rities should be advised if significant spillages ontained.
	Methods and materials for containment and cleaning up		h inert absorbent material. pills, provide diking or other appropriate t to keep material from spreading. If diked material ped, store recovered material in appropriate maining materials from spill with suitable cional regulations may apply to releases and this material, as well as those materials and items the cleanup of releases. You will need to which regulations are applicable. and 15 of this SDS provide information regarding l or national requirements.

### SECTION 7. HANDLING AND STORAGE

Technical measures	:	See Engineering measures under EXPOSURE
Local/Total ventilation		CONTROLS/PERSONAL PROTECTION section. If sufficient ventilation is unavailable, use with local exhaust
	•	ventilation.
Advice on safe handling	:	Do not get on skin or clothing.

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		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.			
Materials to avoid		: Do not store with Strong oxidizing	ostances and mixtures		

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Polyethylene glycol stearate	9004-99-3	TWA (Inhal- able particu- late matter)	10 mg/m³	ACGIH
		TWA (Res- pirable par- ticulate mat- ter)	3 mg/m <sup>3</sup>	ACGIH
Gentamicin	1403-66-3	TWA	0.1 mg/m3 (OEB 2)	Internal
	Further informa	ation: OTO		
Betamethasone	378-44-9	TWA	1 µg/m3 (OEB 4)	Internal
	Further information	ation: Skin		
		Wipe limit	10 µg/100 cm²	Internal

**Engineering measures** 

 All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment.
 Essentially no open handling permitted.
 Use closed processing systems or containment technologies.
 If handled in a laboratory, use a properly designed biosafety cabinet, fume hood, or other containment device if the potential exists for aerosolization. If this potential does not exist, handle over lined trays or benchtops.

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Pers	onal protective equip	ment		
Resp	iratory protection	maintain vapo concentration unknown, app Follow OSHA use NIOSH/M by air purifyin hazardous ch supplied resp release, expo	local exhaust ventilation is recommended to or exposures below recommended limits. Where is are above recommended limits or are propriate respiratory protection should be worn. a respirator regulations (29 CFR 1910.134) and ISHA approved respirators. Protection provided g respirators against exposure to any memical is limited. Use a positive pressure air irator if there is any potential for uncontrolled usure levels are unknown, or any other where air purifying respirators may not provide tection.	
Hand	l protection			
M	aterial	: Chemical-res	istant gloves	
	emarks protection	: Wear safety of If the work en mists or aero Wear a faces	Consider double gloving. Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols	
Skin	and body protection			
Hygić	ene measures	: If exposure to eye flushing s working place When using o Wash contam The effective engineering o appropriate d industrial hyg	o chemical is likely during typical use, provide systems and safety showers close to the	

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	No data available
Odor	:	No data available
Odor Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available





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

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reac-	:	Can react with strong oxidizing agents.

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/ersion 6.10	Revision Date: 09/30/2023		9S Number: 4598-00022	Date of last issue: 04/04/2023 Date of first issue: 01/06/2016		
Incon	itions to avoid npatible materials rdous decomposition icts	<ul> <li>None known.</li> <li>Oxidizing agents</li> <li>No hazardous decomposition products are known.</li> </ul>				
SECTION	11. TOXICOLOGICAL	INFO	ORMATION			
Inhala Skin ( Inges	contact	s of (	exposure			
	e toxicity lassified based on availa	blo	information			
Prod		able	inionnalion.			
	inhalation toxicity	:	Acute toxicity est Exposure time: 4 Test atmosphere Method: Calculat	h : dust/mist		
Com	ponents:					
-	ethylene glycol stearat	<b>e:</b> :	LD50 (Rat): > 5,0	)00 mg/kg		
Gent	amicin:					
Acute	e oral toxicity	:	LD50 (Rat): 8,000	0 - 10,000 mg/kg		
			LD50 (Mouse): 1	0,000 mg/kg		
Acute	inhalation toxicity	:	LC50 (Rat): > 0.2 Exposure time: 4 Test atmosphere Remarks: No mo	h		
	e toxicity (other routes of nistration)	:	LD50 (Rat): 67 - Application Route			
			LD50 (Rat): 371 · Application Route			
			LDLo (Monkey): 3 Application Route			
Beta	methasone:					
Acute	oral toxicity	:	LD50 (Rat): > 5,0	)00 mg/kg		
			LD50 (Mouse): >	4,500 mg/kg		

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rsion 0	Revision Date: 09/30/2023	SDS Number:Date of last issu434598-00022Date of first issu	
Acute	inhalation toxicity	: LC50 (Rat): 0.4 mg/l Exposure time: 4 h	
-	corrosion/irritation lassified based on ava	able information.	
<u>Com</u>	ponents:		
Polye	ethylene glycol stear	e:	
Speci		: Rabbit	
Metho Resu		: Draize Test : No skin irritation	
Nesu	it.		
Genta	amicin:		
Speci		: Rabbit	
Resu	lt	: Mild skin irritation	
Betar	methasone:		
Speci	ies	: Rabbit	
Resu	lt	: Mild skin irritation	
<u>Com</u>	lt		
mean			
	amicin:		
Speci Resu		: Rabbit : Mild eye irritation	
Resu	it.		
Betar	methasone:		
Speci		: Rabbit	
Resu	lt	: No eye irritation	
Resp	iratory or skin sensi	ation	
Skin	sensitization		
Not c	lassified based on ava	able information.	
Resp	iratory sensitization		
•	-		

Not classified based on available information.

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ersion 10	Revision Date: 09/30/2023	SDS Num 434598-00		
<u>Com</u>	oonents:			
Polye	thylene glycol stea	ate:		
Test T Route Speci Resul	es of exposure	: Open : Skin c : Guine : negati	a pig	
Genta	amicin:			
Rema	arks	: No da	a available	
Betar	nethasone:			
Route Speci Resul		: Derma : Guine : Weak		
	assified based on av	ailable informa	tion.	
Comp	oonents:			
Polye	thylene glycol stea	ate:		
Geno	toxicity in vitro		ype: Bacterial reverse mutation assay (AMES) : negative	
Genta	amicin:			
Geno	toxicity in vitro		ype: In vitro mammalian cell gene mutation test : negative	
			ype: Chromosome aberration test in vitro : equivocal	
Geno	toxicity in vivo	cytoge Specie Applic	ype: Mammalian erythrocyte micronucleus test (in v netic assay) s: Mouse ation Route: Intravenous injection : negative	/ivc
Betar	nethasone:			
Geno	toxicity in vitro		ype: Bacterial reverse mutation assay (AMES) : negative	
			ype: In vitro mammalian cell gene mutation test : negative	
			ype: Chromosome aberration test in vitro : positive	
Geno	toxicity in vivo		ype: Mammalian erythrocyte micronucleus test (in v netic assay)	/ivc

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ersion .10	Revisio 09/30/2	on Date: 2023		9S Number: 4598-00022	Date of last issue: 04/04/2023 Date of first issue: 01/06/2016	
				Species: Mouse Application Route Result: equivocal	: Oral	
	cell muta sment	igenicity -	:	Weight of evidenc cell mutagen.	e does not support classification as a germ	
	<b>nogenici</b> assified b	<b>ty</b> based on availa	ble	information.		
<u>Comp</u>	onents:					
Genta	amicin:					
	nogenicity	/ - Assess-	:	No data available		
ment IARC					t at levels greater than or equal to 0.1% is onfirmed human carcinogen by IARC.	
OSH/	A	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.				
NTP	<b>NTP</b> No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.					
May c	oductive lamage th ponents:	ne unborn child				
Genta	amicin:					
Effect	s on fertil	ity	:	Species: Rat Fertility: NOAEL: 2	eneration reproduction toxicity study 20 mg/kg body weight cant adverse effects were reported	
Effect	s on fetal	development	:	Species: Rabbit	ro-fetal development oxicity: NOAEL: 3.6 mg/kg body weight o-fetal toxicity.	
				Species: Rat Application Route	oxicity: LOAEL: 75 mg/kg body weight	
				Species: Mouse Application Route Developmental To Result: Fetal mort	ro-fetal development :: Intraperitoneal oxicity: LOAEL: 10 mg/kg body weight tality., No malformations were observed. ro-fetal development	

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					: Intraperitoneal oxicity: LOAEL: 50 mg/kg body weight tality., No malformations were observed.
	Reprod sessme	luctive toxicity - As- ent	:	Positive evidence human epidemiol	of adverse effects on development from ogical studies.
	Betam	ethasone:			
	Effects	on fetal development	:		: Intramuscular oxicity: LOAEL: 0.05 mg/kg body weight ty., Malformations were observed.
				•	: Subcutaneous oxicity: LOAEL: 0.42 mg/kg body weight ions were observed.
				•	: Intramuscular oxicity: LOAEL: 1 mg/kg body weight ions were observed.
	Reprod sessme	luctive toxicity - As- ent	:	Clear evidence of animal experimen	adverse effects on development, based on ts.

### STOT-single exposure

Not classified based on available information.

### STOT-repeated exposure

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

### Components:

Gentamicin:		
Target Organs Assessment	:	Kidney, inner ear Causes damage to organs through prolonged or repeated exposure.
Betamethasone:		
Target Organs	:	Pituitary gland, Immune system, muscle, thymus gland, Blood, Adrenal gland
Assessment	:	Causes damage to organs through prolonged or repeated exposure.
		exposure.

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Repe	ated dose toxicity		
Comp	oonents:		
Speci LOAE Applic Expos Targe Symp Speci LOAE Applic Expos	EL cation Route sure time it Organs toms es EL cation Route sure time	<ul> <li>Dog</li> <li>3 mg/kg</li> <li>Intramuscular</li> <li>12 Months</li> <li>Kidney</li> <li>Vomiting, Saliva</li> <li>Monkey</li> <li>50 mg/kg</li> <li>Subcutaneous</li> <li>3 Weeks</li> </ul>	
Speci LOAE Applic Expos	L cation Route sure time t Organs	<ul> <li>Kidney, inner ea</li> <li>Monkey</li> <li>6 mg/kg</li> <li>Intramuscular</li> <li>3 Weeks</li> <li>Blood, Kidney, i</li> <li>Rat</li> </ul>	
NOAE LOAE Applic Expos	EL	5 mg/kg 10 mg/kg Intramuscular 52 Weeks Kidney, Blood	
Expos	EL	: Rat : 12.5 mg/kg : 50 mg/kg : Intramuscular : 13 Weeks : Kidney	
Speci LOAE Applic Expos		: Rabbit : 0.05 % : Skin contact : 10 - 30 d : Pituitary gland,	Immune system, muscle
Expos Targe	L cation Route sure time t Organs	: Rat : 0.05 % : Skin contact : 8 Weeks : thymus gland	
Speci LOAE		: Mouse : 0.1 %	



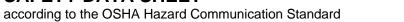


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Expos	ation Route sure time t Organs	:	Skin contact 8 Weeks thymus gland				
Expos		: : :	Dog 0.05 mg/kg Oral 28 d Blood, thymus gla	ınd, Adrenal gland			
-	ation toxicity assified based on availa	ble	information.				
Exper	rience with human exp	osu	ire				
Comp	oonents:						
Genta	amicin:						
Ingest	tion	:	Target Organs: in	Farget Organs: Kidney Farget Organs: inner ear Symptoms: Dizziness, Vertigo, hearing loss, tinnitus, fetal leafness			
Betan	nethasone:						
Inhala Skin c	ition contact	:	Target Organs: A Symptoms: Redn	drenal gland ess, pruritis, Irritation			
SECTION	12. ECOLOGICAL INFO	DRN	IATION				
Ecoto	oxicity						
<u>Comp</u>	oonents:						
Polye	thylene glycol stearate	e:					
Toxici	ty to fish	:	LC50 (Leuciscus Exposure time: 96 Method: DIN 384				
Toxici	ty to microorganisms	:	EC10 (Bacteria): Exposure time: 16				
Genta	amicin:						
	ty to daphnia and other ic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD T				
			LC50 (Americamy Exposure time: 96 Method: US-EPA				
Toxici plants	ty to algae/aquatic	:	EC50 (Pseudokiro Exposure time: 72 Method: OECD To				

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			NOEC (Pseudoki µg/l Exposure time: 72 Method: OECD T	
			EC50 (Anabaena Exposure time: 72 Method: OECD T	
			NOEC (Anabaena Exposure time: 72 Method: OECD T	
Toxic	ity to microorganisms	:	EC50: 288.7 mg/l Exposure time: 3 Test Type: Respin Method: OECD T	h ration inhibition
Betar	nethasone:			
	ity to daphnia and other ic invertebrates	:	EC50 (Americam) Exposure time: 96	
Toxic plants	ity to algae/aquatic	:	mg/l Exposure time: 72 Method: OECD T	
			mg/l Exposure time: 72 Method: OECD T	
Toxic icity)	ity to fish (Chronic tox-	:	NOEC (Pimephal Exposure time: 32 Method: OECD T	
			NOEC (Oryzias la Exposure time: 2 <sup>7</sup> Method: OECD T	
	ity to daphnia and other ic invertebrates (Chron- icity)	:	NOEC (Daphnia r Exposure time: 2 <sup>′</sup> Method: OECD T	
Persi	stence and degradabili	ty		
	oonents:	-		
-	ethylene glycol stearate gradability	<b>:</b>	Result: Readily bi	odegradable.





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		Exposure tir	ion: >70 % ne: 10 d CD Test Guideline 302B
<b>Gentamicin:</b> Biodegradability		: Result: rapio Biodegradat	dly degradable ion: 100 %
		Exposure tir	
Bioad	ccumulative potentia	ıl	
Com	ponents:		
Genta	amicin:		
	ion coefficient: n- ol/water	: log Pow: < -	2
Betar	methasone:		
	ion coefficient: n- ol/water	: log Pow: 2.1	1
Mobi	lity in soil		
No da	ata available		
Othe	r adverse effects		
No da	ata available		

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

### **SECTION 14. TRANSPORT INFORMATION**

### **International Regulations**

UNRTDG		
UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
		(Gentamicin, Benzalkonium chloride)
Class	:	9
Packing group	:	
Labels	:	9
Environmentally hazardous	:	yes
IATA-DGR		
UN/ID No.	:	UN 3082

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Prope	Proper shipping name		: Environmentally hazardous substance, liquid, n.o.s. (Gentamicin, Benzalkonium chloride)			
Class		:	9	,		
Packir	ng group	:				
Labels	S S	:	Miscellaneous			
Packir aircrat	ng instruction (cargo ˈt)	:	964			
	Packing instruction (passen- ger aircraft)		964			
Ĕnviro	Environmentally hazardous		yes			
IMDG	IMDG-Code					
UN nu	UN number		UN 3082			
Prope	Proper shipping name		ENVIRONMENT/ N.O.S.	ALLY HAZARDOUS SUBSTANCE, LIQUID,		
			(Gentamicin, Ben	zalkonium chloride)		
Class		:	9			
Packir	Packing group					
Labels	6	:	9			
EmS (	Code	:	F-A, S-F			
Marine	e pollutant	:	yes			
Trans	port in bulk according	g to	Annex II of MARP	OL 73/78 and the IBC Code		
Not applicable for product as			plied.			

#### Domestic regulation

#### 49 CFR

UN/ID/NA number	:	UN 3082
Proper shipping name	:	Environmentally hazardous substance, liquid, n.o.s.
		(Gentamicin, Benzalkonium chloride)
Class	:	9
Packing group	:	III
Labels	:	CLASS 9
ERG Code	:	171
Marine pollutant	:	yes(Gentamicin, Benzalkonium chloride)
Remarks	:	Above applies only to containers over 119 gallons or 450
		liters.
		Shipment by ground under DOT is non-regulated; however it
		may be shipped per the applicable hazard classification to
		facilitate multi-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.



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SAR	A 302 Extremely Haz	ardous Substances T	hreshold Planning Quantity
This r	material does not cont	ain any components w	rith a section 302 EHS TPQ.
SARA	A 311/312 Hazards	: Reproductive to Specific target	oxicity organ toxicity (single or repeated exposure)
SARA	A 313	known CAS nu	oes not contain any chemical components with mbers that exceed the threshold (De Minimis) s established by SARA Title III, Section 313.
US S	tate Regulations		
Penn	sylvania Right To Kı	างพ	
	Water		7732-18-5
	Polyethylene gly		9004-99-3
	Polyethylene gly	col castor oil	61791-12-6
Califo	ornia Prop. 65		
to the		cause birth defects or	nicals including Gentamicin, which is/are known other reproductive harm. For more information
The i	ngredients of this pr	oduct are reported ir	the following inventories:
AICS		: not determined	I
DSL		: not determined	I
IECS	С	: not determined	l i i i i i i i i i i i i i i i i i i i

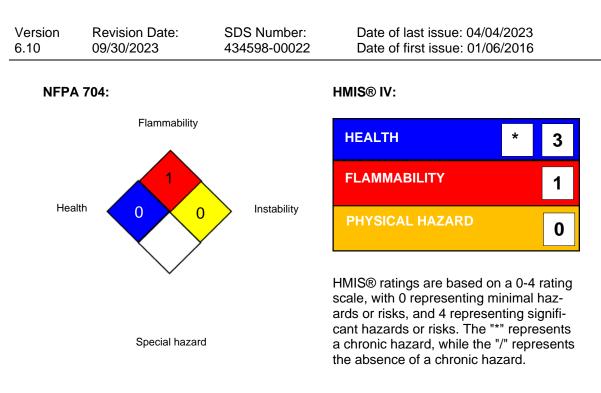
### **SECTION 16. OTHER INFORMATION**

Further information



according to the OSHA Hazard Communication Standard

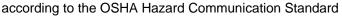
### Gentamicin / Betamethasone Formulation



### Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH / TWA	:	8-hour, time-weighted average

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





### **Gentamicin / Betamethasone Formulation**

Version	Revision Date:	SDS Number:	Date of last issue: 04/04/2023
6.10	09/30/2023	434598-00022	Date of first issue: 01/06/2016

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 compile the Material 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/
Revision Date	:	09/30/2023

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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