according to the Globally Harmonized System



# **Gentamicin / Cloxacillin Formulation**

Version	Revision Date: 28.09.2024	SDS Number:	Date of last issue: 30.09.2023
3.0		1936781-00017	Date of first issue: 11.09.2017

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

Product name	:	Gentamicin / Cloxacillin Formulation				
Manufacturer or supplier's de Company	eta :	ils 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 chemical 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**

Hazard pictograms	:	
GHS label elements		
Long-term (chronic) aquatic hazard	:	Category 3
Short-term (acute) aquatic hazard	:	Category 1
Reproductive toxicity	:	Category 1A
Skin sensitisation	:	Category 1
Respiratory sensitisation	:	Category 1

Signal word



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Hazaı	rd statements	H334 May cau difficulties if inl H360D May da H400 Very tox	se an allergic skin reaction. se allergy or asthma symptoms or breathing naled. amage the unborn child. ic to aquatic life. to aquatic life with long lasting effects.
Precautionary statements		P233 Keep con P260 Do not b P271 Use only P272 Contamin the workplace. P273 Avoid rel P280 Wear pro- tion/ face prote	ease to the environment. otective gloves/ protective clothing/ eye protec-
		P304 + P340 I keep comfortal P318 IF expos P333 + P317 I P342 + P316 I gency medical	F ON SKIN: Wash with plenty of water. F INHALED: Remove person to fresh air and ble for breathing. ed or concerned, get medical advice. f skin irritation or rash occurs: Get medical help. f experiencing respiratory symptoms: Get emer- help immediately. Take off contaminated clothing and wash it befor pillage.
		Storage:	a well-ventilated place.
		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)
1,2,3-Propanetriyl tris(12-hydroxyoctadecanoate)	139-44-6	3.5
cloxacillin	61-72-3	2.2
Gentamicin	1403-66-3	0.5

### 4. FIRST AID MEASURES

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			36781-00017	Date of first issue: 11.09.2017	
Gene	General advice		In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical		
lf inha	If inhaled		advice. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.		
In cas	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 cas	se of eye contact	:	Flush eyes with	water as a precaution.	
lf swa	allowed	:	If swallowed, D Get medical att		
	important symptoms effects, both acute and red	:	Rinse mouth thoroughly with water. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficul- ties if inhaled. May damage the unborn child. Excessive exposure may aggravate preexisting asthma and other respiratory disorders (e.g. emphysema, bronchitis, rea		
	Protection of first-aiders		tive airways dysfunction syndrome). 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).		
	s to physician	:	Treat symptom	atically and supportively.	
5. FIREFI	GHTING MEASURES				
Suita	Suitable extinguishing media		Water spray Alcohol-resista Carbon dioxide Dry chemical		
Unsu media	itable extinguishing a	:	None known.		
Spec fightir	ific hazards during fire- ng	:	: Exposure to combustion products may be a hazard to hea		
Haza ucts	rdous combustion prod-	:	Carbon oxides Chlorine compounds Nitrogen oxides (NOx) Sulphur compounds		
Spec ods	ific extinguishing meth-	:	<ul> <li>Use extinguishing measures that are appropriate to local c cumstances and the surrounding environment.</li> <li>Use water spray to cool unopened containers.</li> <li>Remove undamaged containers from fire area if it is safe to so.</li> <li>Evacuate area.</li> </ul>		

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	Special protective equipment for firefighters		:	In the event of fire Use personal prot	e, wear self-contained breathing apparatus. rective equipment.
6. A0	CCIDEN	NTAL RELEASE MEAS	SUF	ES	
	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		:	For large spills, pr ment to keep mate be pumped, store Clean up remaining bent. Local or national r posal of this mate employed in the c mine which regular Sections 13 and 1	t absorbent material. rovide dyking or other appropriate contain- erial from spreading. If dyked material can recovered material in appropriate container. ng materials from spill with suitable absor- regulations may apply to releases and dis- rial, as well as those materials and items leanup of releases. You will need to deter- ations are applicable. 5 of this SDS provide information regarding tional requirements.

## 7. HANDLING AND STORAGE

Technical measures		See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section. If sufficient ventilation is unavailable, use with local exhaust
Advice on safe handling	:	ventilation. Do not get on skin or clothing. Do not breathe mist or vapours. Do not swallow. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment Keep container tightly closed. Already sensitised individuals, and those susceptible to asthma, allergies, chronic or recurrent respiratory disease, should consult their physician regarding working with respira- tory irritants or sensitisers. Take care to prevent spills, waste and minimize release to the environment. Keep in properly labelled containers.
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Mate	rials to avoid		sed. ance with the particular national regulations. h the following product types:

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis	
1,2,3-Propanetriyl tris(12- hydroxyoctadecanoate)	139-44-6	TWA (Inhal- able particu- late matter)	10 mg/m3	ACGIH	
		TWA (Res- pirable par- ticulate mat- ter)	3 mg/m3	ACGIH	
cloxacillin	61-72-3	TWA	100 μg/m3 (OEB 2)	Internal	
	Further inform	ation: RSEN, DS	SEN		
		Wipe limit	100 µg/100 cm2	Internal	
Gentamicin	1403-66-3	TWA	0.1 mg/m3 (OEB 2)	Internal	
	Further inform	Further information: OTO			

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. Laboratory operations do not require special containment.
Personal protective equipme	ent	
Respiratory protection	:	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection.
Filter type Hand protection	:	Combined particulates and organic vapour type
Material	:	Chemical-resistant gloves
Eye protection	:	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

Hygiene measures : If exposure to chemical is likely during typical use, provide eye

: Work uniform or laboratory coat.

aerosols.

Skin and body protection

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		place. When using do Contaminated workplace. Wash contamir The effective o engineering co appropriate deg	ns and safety showers close to the working not eat, drink or smoke. work clothing should not be allowed out of the nated clothing before re-use. peration of a facility should include review of ntrols, proper personal protective equipment, gowning and decontamination procedures, ne monitoring, medical surveillance and the trative controls.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	suspension
Colour	:	white
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
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	No data available
Solubility(ies) Water solubility	:	No data available
Partition coefficient: n-	:	Not applicable

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	nol/water -ignition temperature	:	No data available	9
Deco	mposition temperature	:	No data available	9
Visco Vi	osity iscosity, kinematic	:	No data available	9
Explo	osive properties	:	Not explosive	
Oxidi	izing properties	:	The substance o	r mixture is not classified as oxidizing.
	cle characteristics cle size	:	Not applicable	
10. STAB		(		
Poss tions	nical stability ibility of hazardous reac-	:	Stable under nor	a reactivity hazard. mal conditions. rong oxidizing agents.
Incor	npatible materials ardous decomposition	:	Oxidizing agents	ecomposition products are known.
11. TOXIC		ΓΙΟΙ	N	
Inforr expo	mation on likely routes of sure	:	Inhalation Skin contact Ingestion Eye contact	
	<b>e toxicity</b> classified based on availa	ble	information.	
Prod	luct:			
Acute	e dermal toxicity	:	Acute toxicity esti Method: Calculati	mate: > 5,000 mg/kg on method
<u>Com</u>	ponents:			
1,2,3	-Propanetriyl tris(12-hy	dro	xyoctadecanoate	):
Acute	e oral toxicity	:	LD50 (Rat): > 5,0 Remarks: Based	00 mg/kg on data from similar materials
Acute	e dermal toxicity	:	LD50 (Rat): > 2,0 Remarks: Based	00 mg/kg on data from similar materials
cloxa	acillin:			
	e oral toxicity	:	LD50 (Rat): 5,000	) mg/kg

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			LD50 (Mouse): 5,0	000 mg/kg
	toxicity (other routes of istration)	:	LD50 (Mouse): 1, Application Route	
			LD50 (Mouse): 91 Application Route	
			LD50 (Mouse): 1,4 Application Route	0 0
			LD50 (Rat): 1,660 Application Route	
			LD50 (Rat): 4,200 Application Route	
II Gonta	micin:			
	oral toxicity	:	LD50 (Rat): 8,000	) - 10,000 mg/kg
			LD50 (Mouse): 10	),000 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): > 0.2	
			Exposure time: 4 Test atmosphere:	
				tality observed at this dose.
	toxicity (other routes of istration)	:	LD50 (Rat): 67 - 9 Application Route	
			LD50 (Rat): 371 - Application Route	
			LDLo (Monkey): 3 Application Route	
II Skin d	orrosion/irritation			
Not cla	assified based on availa	ble	information.	
<u>Comp</u>	onents:			
	Propanetriyl tris(12-hy	dro	-	):
Specie Result		:	Rabbit No skin irritation	
Rema	rks	:	Based on data fro	m similar materials
cloxad	cillin:			
Rema	rks	:	Not classified due	to lack of data.
Genta	micin:			
Specie	-	:	Rabbit	
Result		:	Mild skin irritation	
			8 / 17	

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#### Serious eye damage/eye irritation

Not classified based on available information.

#### **Components:**

#### 1,2,3-Propanetriyl tris(12-hydroxyoctadecanoate):

Species : Result : Remarks :	Rabbit
Result :	No eye irritation
Remarks :	Based on data from similar materials

cloxacillin: Remarks

: Not classified due to lack of data.

### Gentamicin:

Species Result	:	Rabbit
Result	:	Mild eye irritation

#### Respiratory or skin sensitisation

#### Skin sensitisation

May cause an allergic skin reaction.

#### **Respiratory sensitisation**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### **Components:** ....

-

cloxacillin:	
Exposure routes Assessment Result	<ul> <li>Dermal</li> <li>Probability or evidence of skin sensitisation in humans</li> <li>positive</li> </ul>
Assessment Result	<ul> <li>Probability of respiratory sensitisation in humans based on animal testing</li> <li>positive</li> </ul>
Gentamicin:	

## Remarks

: No data available

### Germ cell mutagenicity

Not classified based on available information.

#### **Components:**

### 1,2,3-Propanetriyl tris(12-hydroxyoctadecanoate):

Genotoxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative Remarks: Based on data from similar materials
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cloxa	cillin:			
	toxicity in vitro	:	Result: negative	rial reverse mutation assay (AMES) ation given is based on data obtained from es.
Genot	toxicity in vivo	:	Test Type: Micro Species: Mouse Result: negative Remarks: Inform similar substance	ation given is based on data obtained from
II Genta	amicin:			
	toxicity in vitro	:	Test Type: In vitr Result: negative	o mammalian cell gene mutation test
			Test Type: Chror Result: equivoca	nosome aberration test in vitro I
Genot	toxicity in vivo	:	Test Type: Mamı cytogenetic assa	nalian erythrocyte micronucleus test (in viv y)
			Species: Mouse	e: Intravenous injection
	<b>nogenicity</b> assified based on availa	able	Species: Mouse Application Route Result: negative	
Not cla		able	Species: Mouse Application Route Result: negative	
Not cla	assified based on availa ponents: cillin:	able :	Species: Mouse Application Route Result: negative	e: Intravenous injection
Not cla <u>Comp</u> cloxad Rema	assified based on availa ponents: cillin: ırks	able :	Species: Mouse Application Route Result: negative	e: Intravenous injection
Not cla Comp cloxad Rema Genta	assified based on availa ponents: cillin:	:	Species: Mouse Application Route Result: negative information.	e: Intravenous injection
Not cla Comp cloxad Rema Genta Carcin ment Repro	assified based on availa <u>ponents:</u> cillin: Irks <b>amicin:</b>	:	Species: Mouse Application Route Result: negative information.	e: Intravenous injection
Not cla Comp cloxad Rema Genta Carcin ment Repro May d	assified based on availa <u>conents:</u> cillin: urks amicin: nogenicity - Assess- oductive toxicity	:	Species: Mouse Application Route Result: negative information.	e: Intravenous injection
Not cla <u>Comp</u> cloxad Rema Genta Carcin ment Repro May d <u>Comp</u> cloxad	assified based on availa <u>conents:</u> cillin: urks amicin: nogenicity - Assess- oductive toxicity lamage the unborn child <u>conents:</u> cillin:	:	Species: Mouse Application Route Result: negative information.	e: Intravenous injection
Not cla <u>Comp</u> cloxad Rema Genta Carcin ment Repro May d <u>Comp</u> cloxad	assified based on availa <u>conents:</u> cillin: urks amicin: nogenicity - Assess- oductive toxicity lamage the unborn child <u>conents:</u>	:	Species: Mouse Application Route Result: negative information. Not classified due No data available Test Type: Multi- Species: Rat Application Route Fertility: NOAEL:	e to lack of data.

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rsion	Revision Date: 28.09.2024	SDS Number: 1936781-00017	Date of last issue: 30.09.2023 Date of first issue: 11.09.2017
		Application Rou Developmental Result: No malf	ite: Oral Toxicity: NOAEL: 100 mg/kg body weight formations were observed.
		Developmental	
Genta	amicin:		
Effect	s on fertility	Species: Rat Fertility: NOAEI	-generation reproduction toxicity study L: 20 mg/kg body weight ificant adverse effects were reported
Effect ment	s on foetal develop-	Species: Rabbi Developmental	oryo-foetal development t Toxicity: NOAEL: 3.6 mg/kg body weight ryo-foetal toxicity
		Species: Rat Application Rou	oryo-foetal development ute: Intraperitoneal Toxicity: LOAEL: 75 mg/kg body weight -foetal toxicity
		Species: Mouse Application Rou Developmental	oryo-foetal development e ute: Intraperitoneal Toxicity: LOAEL: 10 mg/kg body weight nortality, No malformations were observed
		Species: Rat Application Rou Developmental	oryo-foetal development ute: Intraperitoneal Toxicity: LOAEL: 50 mg/kg body weight nortality, No malformations were observed
	oductive toxicity - As- nent		ce of adverse effects on development from ological studies.

Not classified based on available information.

## Components:

## Gentamicin:

0 0	Kidney, inner ear Causes damage to organs through prolonged or repeated
-----	--

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		exposure.	
Repe	ated dose toxicity		
<u>Com</u>	oonents:		
cloxa	cillin:		
Speci	es	: Rat	
LOAE		: 7,000 mg/kg	
	ation Route	: Intravenous	
	sure time	: 4 Weeks	
Symp	toms	: Hypoglycemia	
Genta	amicin:		
Speci	es	: Dog	
LOAE		: 3 mg/kg	
	cation Route	: Intramuscular	
	sure time	: 12 Months	
	t Organs	: Kidney	
Symp	toms	: Vomiting, Saliva	ation
Speci		: Monkey	
LOAE		: 50 mg/kg	
	cation Route	: Subcutaneous	
	sure time	: 3 Weeks	
Targe	t Organs	: Kidney, inner e	ar
Speci	es	: Monkey	
LOAE		: 6 mg/kg	
	cation Route	: Intramuscular	
	sure time	: 3 Weeks	
large	t Organs	: Blood, Kidney,	inner ear, Liver
Speci		: Rat	
NOAE		: 5 mg/kg	
LOAE		: 10 mg/kg : Intramuscular	
	cation Route sure time	: 52 Weeks	
	t Organs	: Kidney, Blood	
	-	. Ridney, blood	
Speci		: Rat	
		: 12.5 mg/kg	
LOAE	L cation Route	: 50 mg/kg : Intramuscular	
	sure time	: 13 Weeks	
	t Organs	: Kidney	
raige	c organs	. Runey	

Not classified based on available information.

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	rience with human e conents:	exposu	re			
	cillin:					
Inhalation Skin contact		:	Remarks: May cause sensitisation of susceptible persons. Symptoms: Dermatitis Remarks: May irritate skin.			
	Eye contact Ingestion		Remarks: May irritate eyes. Symptoms: May cause, Gastrointestinal disturbance, Rash Remarks: May cause sensitisation of susceptible persons.			
Genta	amicin:					
Inges	Ingestion		Target Organs: Target Organs: Symptoms: Diz deafness			

### 12. ECOLOGICAL INFORMATION

## Ecotoxicity

## Components:

## 1,2,3-Propanetriyl tris(12-hydroxyoctadecanoate):

Toxicity to fish	:	LC50 (Danio rerio (zebra fish)): > 100 mg/l Exposure time: 96 h Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates	:	EL50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Test substance: Water Accommodated Fraction Method: Directive 67/548/EEC, Annex V, C.2. Remarks: Based on data from similar materials
Toxicity to algae/aquatic plants	:	EL50 (Desmodesmus subspicatus (green algae)): > 100 mg/l Exposure time: 72 h Test substance: Water Accommodated Fraction Method: Directive 67/548/EEC, Annex V, C.3. Remarks: Based on data from similar materials
Gentamicin:		
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 86 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
		LC50 (Americamysis): 30 mg/l Exposure time: 96 h Method: US-EPA OPPTS 850.1035
Toxicity to algae/aquatic plants	:	EC50 ( Pseudokirchneriella subcapitata (green algae)): 10 μg/l Exposure time: 72 h Method: OECD Test Guideline 201

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11				
			µg/l Exposure time: 7	kirchneriella subcapitata (green algae)): 1. '2 h Fest Guideline 201
			Exposure time: 7	a flos-aquae (cyanobacterium)): 4.7 μg/l 2 h Γest Guideline 201
			Exposure time: 7	na flos-aquae (cyanobacterium)): 1.6 µg/l '2 h Fest Guideline 201
M-Fac icity)	ctor (Acute aquatic tox-	:	100	
Toxici	ty to microorganisms	:	EC50: 288.7 mg Exposure time: 3 Test Type: Resp Method: OECD	5 h
M-Fac toxicit	ctor (Chronic aquatic y)	:	1	
Persi	stence and degradabil	ity		
<u>Comp</u>	oonents:			
	a <b>micin:</b> gradability	:	Result: rapidly de Biodegradation:	
			Exposure time: 2 Method: OECD	28 d Fest Guideline 314
Bioad	cumulative potential			
	cumulative potential			
Comr cloxa Partiti	oonents:	:		
<u>Comr</u> cloxa Partiti octane	onents: cillin: on coefficient: n-	:	Method: OECD	
Comp cloxa Partiti octant Genta Partiti	oonents: cillin: on coefficient: n- ol/water	:	Method: OECD	
Comp cloxa Partiti octand Genta Partiti octand	oonents: cillin: on coefficient: n- ol/water amicin: on coefficient: n-	:	Nethod: OECD	

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### 13. DISPOSAL CONSIDERATIONS

Disposal	methods
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aste 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

### International Regulations

UNRTDG		
UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
		N.O.S.
		(Gentamicin)
Class	:	9
Packing group	:	III
Labels	:	9
Environmentally hazardous	:	yes
IATA-DGR		
UN/ID No.	:	UN 3082
Proper shipping name	:	Environmentally hazardous substance, liquid, n.o.s.
		(Gentamicin)
Class	:	9
Packing group	:	III
Labels	:	Miscellaneous
Packing instruction (cargo	:	964
aircraft)		
Packing instruction (passen-	:	964
ger aircraft)		
Environmentally hazardous	:	yes
IMDG-Code		
UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
		N.O.S.
		(Gentamicin)
Class	:	9
Packing group	:	III
Labels	:	9
EmS Code	:	F-A, S-F
Marine pollutant	:	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

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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

#### **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 been made to the previous version are highlighted in the body of this document by two vertical lines.

Date format	:	dd.mm.yyyy
Full text of other abbreviatio	ns	
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)

ACGIH / TWA : 8-hour, time-weighted average

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 Develop-

according to the Globally Harmonized System



## Gentamicin / Cloxacillin Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 30.09.2023
3.0	28.09.2024	1936781-00017	Date of first issue: 11.09.2017

ment; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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

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