

Versior 7.0	Revision Date: 28.09.2024		S Number: 49588-00023	Date of last issue: 30.09.2023 Date of first issue: 13.02.2018					
SECTION 1. IDENTIFICATION									
Product identifier		:	: Benzylpenicillin / Streptomycin Sulphate / Procaine Hydroch ride / Piroxicam Liquid Formulation						
Ма	anufacturer or supplier's	deta	ils						
Co	ompany	:	MSD						
Address		:	Rua Coronel Bento Soares, 530 Cruzeiro - Sao Paulo - Brazil CEP 12730-340						
Те	Telephone		908-740-4000						
En	nergency telephone	:	1-908-423-6000						
E-	mail address	:	EHSDATASTEW	/ARD@msd.com					
Recommended use of the che		hem	ical and restriction	ons on use					
	commended use estrictions on use	:	Veterinary produ Not applicable	ct					

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

#### GHS Classification in accordance with ABNT NBR 14725 Standard

Acute toxicity (Oral)	:	Category 5
Eye irritation	:	Category 2B
Respiratory sensitization	:	Category 1
Skin sensitization	:	Category 1
Reproductive toxicity	:	Category 1A
Specific target organ toxicity - single exposure	:	Category 2 (Nervous system, Heart)
Specific target organ toxicity - repeated exposure	:	Category 1 (Kidney, inner ear)
Specific target organ toxicity - repeated exposure	:	Category 2 (Gastrointestinal tract)
Short-term (acute) aquatic hazard	:	Category 1
Long-term (chronic) aquatic	:	Category 1



rsion	Revision Date: 28.09.2024	SDS Number: 2449588-00023	Date of last issue: 30.09.2023 Date of first issue: 13.02.2018
hazaı	rd		
	label elements in acc rd pictograms	cordance with ABNT	NBR 14725 Standard
Tuzu	na piecogramo		*
Signa	al Word	: Danger	
Haza	rd Statements	H317 May cau H320 Causes H334 May cau difficulties if in H360D May da H371 May cau H372 Causes prolonged or r H373 May cau through prolor	use allergy or asthma symptoms or breathing
Preca	autionary Statements	P264 Wash sk P270 Do not e P272 Contam the workplace P273 Avoid re	elease to the environment. otective gloves/ protective clothing/ eye protec
		tor if you feel to P302 + P352 P304 + P340 keep comforta P305 + P351 for several min easy to do. Co P308 + P311 CENTER/ doc P333 + P313 vice/ attention P337 + P313 tention.	IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and able for breathing. + P338 IF IN EYES: Rinse cautiously with water nutes. Remove contact lenses, if present and ontinue rinsing. IF exposed or concerned: Call a POISON ctor. If skin irritation or rash occurs: Get medical ad- If eye irritation persists: Get medical advice/ at- If experiencing respiratory symptoms: Call a



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I		P391 Collect s	pillage.
		Storage:	
		P405 Store loc	ked up.
II Additi	ional Laboling		

### **Additional Labeling**

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 3 %

Other hazards which do not result in classification None known.

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

Substance / Mixture : Mixture

#### Components

Chemical name	CAS-No.	Classification	Concentration (% w/w)
Benzylpenicillin	61-33-6	Resp. Sens., 1A Skin Sens., 1B Aquatic Acute, 1 Aquatic Chronic, 3	>= 10 -< 20
Streptomycin sulphate	3810-74-0	Acute Tox. (Oral), 4 Eye Irrit., 2B Skin Sens., 1B Repr., 1A STOT RE, (Kidney, inner ear), 1 Aquatic Acute, 1 Aquatic Chronic, 1	>= 10 -< 20
Procaine hydrochloride	51-05-8	Acute Tox. (Oral), 3 Eye Irrit., 2B Skin Sens., 1 Repr., 1A STOT SE, (Nervous system, Heart), 1	>= 1 -< 5
Piroxicam	36322-90-4	Acute Tox. (Oral), 3 Repr., 2 STOT RE, (Gastroin- testinal tract), 1	>= 1 -< 3

### **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.



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If inhaled		If not breathing	ove to fresh air. g, give artificial respiration. difficult, give oxygen. ttention.				
In ca	se of skin contact	of water. Remove conta Get medical at Wash clothing	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 ca	se of eye contact	for at least 15 If easy to do, r	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention.				
If swallowed		Get medical at Rinse mouth the	DO NOT induce vomiting. itention. noroughly with water. ything by mouth to an unconscious person.				
Most important symptoms and effects, both acute and delayed		: May be harmfu May cause an Causes eye in May cause alle difficulties if in May damage t May cause da Causes damage exposure. Excessive exp other respirato	ul if swallowed. allergic skin reaction. itation. ergy or asthma symptoms or breathing				
	ection of first-aiders	: First Aid respondent and use the re when the pote	<ul> <li>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).</li> </ul>				
Note	s to physician	: Treat sympton	natically 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) Sulfur oxides Oxides of phosphorus Metal oxides



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	Specific extinguishing meth- ods			cumstances and t Use water spray to	measures that are appropriate to local cir- he surrounding environment. cool unopened containers. ged containers from fire area if it is safe to do			
	Special or fire-f	protective equipment ighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.				
SECT	TION 6.	ACCIDENTAL RELE	ASI	EMEASURES				
ti	ive equ	al precautions, protec- ipment and emer- rocedures	:		ective equipment. ng advice (see section 7) and personal ent recommendations (see section 8).			
E	Environ	mental precautions	:	Prevent spreading oil barriers). Retain and dispos	akage or spillage if safe to do so. g over a wide area (e.g., by containment or e of contaminated wash water. hould be advised if significant spillages			
		s and materials for ment and cleaning up	:	For large spills, pr containment to ke can be pumped, s container. Clean up remainir absorbent. Local or national r disposal of this ma employed in the c determine which r Sections 13 and 1	absorbent material. ovide diking or other appropriate ep material from spreading. If diked material tore recovered material in appropriate ag materials from spill with suitable egulations may apply to releases and aterial, as well as those materials and items leanup of releases. You will need to egulations are applicable. 5 of this SDS provide information regarding tional 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	:	Do not get on skin or clothing. Do not breathe mist or vapors. Do not swallow. Do not get in eyes. Wash skin thoroughly after handling.



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		practice, based assessment Keep container Already sensitiz to asthma, aller should consult respiratory irrita Do not eat, drin Take care to pr environment.	zed individuals, and those susceptible rgies, chronic or recurrent respiratory disease, their physician regarding working with ants or sensitizers. It or smoke when using this product. event spills, waste and minimize release to the
H	ygiene measures	flushing system place. When using do Contaminated v workplace. Wash contamin The effective of engineering con appropriate deg	chemical is likely during typical use, provide eye as 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. beration of a facility should include review of ntrols, proper personal protective equipment, gowning and decontamination procedures, ne monitoring, medical surveillance and the rative controls.
C	onditions for safe storage	Store locked up Keep tightly clo	
Μ	aterials to avoid	Strong oxidizing	ibstances 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		
Benzylpenicillin	61-33-6	TWA	600 µg/m3 (OEB 2)	Internal		
	Further inforn	Further information: RSEN, DSEN				
		Wipe limit	100 µg/100 cm2	Internal		
Streptomycin sulphate	3810-74-0	TWA	OEB 2 (>= 100 < 1,000 μg/m3)	Internal		
	Further inforn	Further information: DSEN				
Procaine hydrochloride	51-05-8	TWA	60 µg/m3 (OEB 3)	Internal		
		Wipe limit	600 µg/100 cm <sup>2</sup>	Internal		
Piroxicam	36322-90-4	TWA	100 µg/m3 (OEB	Internal		



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U					2)			
Enç	jineering measures	techr less o All er desig prote	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.					
Per	sonal protective equipn	nent						
Res	piratory protection	expo	If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.					
	-ilter type nd protection		Particulates type					
	Vaterial	: Chen	Chemical-resistant gloves					
Eye	protection	If the mists Wear	work enviro or aerosols a faceshiel tial for direc	nment or act , wear the ap d or other ful	e shields or goggles tivity involves dusty opropriate goggles. I face protection if t the face with dusts,	conditions, here is a		
Skir	n and body protection			aboratory co	pat.			

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	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
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	:	No data available



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	flamma	ability limit			
		explosion limit / Lower ability limit	:	No data available	)
	Vapor	oressure	:	No data available	)
	Relativ	e vapor density	:	No data available	)
	Relativ	e density	:	No data available	)
	Density	/	:	No data available	)
	Solubili Wat	ity(ies) ter solubility	:	No data available	9
	Partitio octanol	n coefficient: n-	:	Not applicable	
		nition temperature	:	No data available	)
	Decom	position temperature	:	No data available	)
	Viscosi Visc	ty cosity, kinematic	:	No data available	9
	Explosi	ive properties	:	Not explosive	
	Oxidizi	ng properties	:	The substance o	r mixture is not classified as oxidizing.
	Molecu	llar weight	:	No data available	)
	Particle Particle	e characteristics e size	:	Not applicable	

### SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reac- tions	:	Not classified as a reactivity hazard. Stable under normal conditions. Can react with strong oxidizing agents.
Conditions to avoid Incompatible materials Hazardous decomposition products	:	None known. Oxidizing agents No hazardous decomposition products are known.

### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of	:	Inhalation
exposure		Skin contact
		Ingestion
		Eye contact



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May I <u>Prod</u>	<b>e toxicity</b> be harmful if swallowed. <u>uct:</u> e oral toxicity	:	Acute toxicity estir Method: Calculatio	
Com	ponents:			
Benz	ylpenicillin:			
Acute	e oral toxicity	:	LD50 (Rat): 8.000	mg/kg
			LD50 (Mouse): > 5	5.000 mg/kg
	e toxicity (other routes of nistration)	:	LD50 (Mouse): 3.5 Application Route:	
			LD50 (Mouse): 32 Application Route:	
Strep	otomycin sulphate:			
Acute	e oral toxicity	:	LD50 (Hamster): 4	100 mg/kg
			LD50 (Rat): 430 m	ng/kg
			LD50 (Mouse): 25	.000 mg/kg
	e toxicity (other routes of nistration)	:	LD50 (Mouse): 85 Application Route:	
			LD50 (Mouse): 57 Application Route:	
			LD50 (Mouse): 50 Application Route:	
			TDLo (Dog): 220 - Application Route: Symptoms: Lower	
			LDLo (Monkey): 1 Application Route:	
			TDLo (Monkey): 3 Application Route: Symptoms: respire	: Subcutaneous
	aine hydrochloride:		LD50 (Rat): 200 m	na/ka
Acute		•	LD50 (Rai). 200 II	ig/kg



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П			LD50 (Mouse): 35	0 mg/kg
	e toxicity (other routes of nistration)	:	LD50 (Rat): 43 mg Application Route:	
			LD50 (Mouse): 33 Application Route:	
			LD50 (Dog): 33 m Application Route:	
II Pirox	icam:			
Acute	e oral toxicity	:	LD50 (Rat): 216 m	ng/kg
			LD50 (Dog): 108 r	ng/kg
			LD50 (Hamster): 1	170 mg/kg
			LD50 (Guinea pig)	): 388 mg/kg
			LD50 (Monkey): 1	.000 mg/kg
Acute	e dermal toxicity	:	LD50 (Rat): > 5.00	00 mg/kg
-	corrosion/irritation lassified based on availa	ble i	information.	
	ous eye damage/eye irri es eye irritation.	tatio	on	
<u>Com</u>	ponents:			
Strep Resu	tomycin sulphate: It	:	Mild eye irritation	
Proca Resu	aine hydrochloride: It	:	Moderate eye irrita	ation
Resp	iratory or skin sensitiza	atio	n	
-	sensitization cause an allergic skin rea	ictio	n.	
•	iratory sensitization cause allergy or asthma s	sym	ptoms or breathing	difficulties if inhaled.
Com	ponents:			
	ylpenicillin:			
Test Route	lype es of exposure	:	Local lymph node Dermal	assay (LLNA)



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Speci Resu	es It		Mouse Veak sensitizer	
Test Route Speci Resu Rema	es of exposure es It	: [ : ( : p	Maximization Test Dermal Guinea pig positive Based on data fro	t m similar materials
Resu Rema			Strong sensitizer Based on human	experience.
Test	es of exposure es	: [ : F	Human repeat ins Dermal Humans Veak sensitizer	ult patch test (HRIPT)
	aine hydrochloride:			
Route Resu Rema		: S : E	Dermal Sensitizer Based on human Based on data fro	experience. m similar materials
Not c	a cell mutagenicity lassified based on avail	able in	formation.	
-	<u>ponents:</u> ylpenicillin:			
Germ	cell mutagenicity - ssment		Veight of evidenc cell mutagen.	e does not support classification as a germ
Strep	tomycin sulphate:			
Geno	toxicity in vitro		Fest Type: Chrom Result: equivocal	osomal aberration
Geno	toxicity in vivo	(	Fest Type: Chrom Cell type: Human Result: negative	osomal aberration lymphocytes
Proca	aine hydrochloride:			
	toxicity in vitro		Fest Type: Bacter Result: equivocal	ial reverse mutation assay (AMES)
II Pirox	icam:			
	toxicity in vivo		Fest Type: sister o Species: Humans	chromatid exchange assay



ersion )	Revision Date: 28.09.2024		S Number: 49588-00023	Date of last issue: 30.09.2023 Date of first issue: 13.02.2018
			Cell type: Human Result: negative	lymphocytes
Carci	nogenicity			
	assified based on availa	ble	information.	
Comp	onents:			
Strep	omycin sulphate:			
Specie	es	:	Rat	
	ation Route	:	Oral	
NOAE Result		:	5 mg/kg body wei negative	ight
Carcin ment	ogenicity - Assess-	:	Weight of evidenc cinogen	ce does not support classification as a car-
Repro	ductive toxicity			
May d	amage the unborn child			
<u>Comp</u>	onents:			
Benzy	/Ipenicillin:			
Effects	s on fertility	:	Test Type: Fertilit Species: Mouse Result: No effects	
			Test Type: Fertilit Species: Rat Result: No effects	-
			Test Type: Fertilit Species: Rabbit Result: No effects	-
Effects	s on fetal development	:	Test Type: Develo Species: Mouse Result: No effects	opment s on fetal development.
			Test Type: Develo Species: Rat Result: No effects	opment s on fetal development.
			Test Type: Develo Species: Rabbit Result: No effects	opment s on fetal development.
II Strong	omycin sulphate:			
	s on fertility	:	Test Type: Fertilit Species: Rat Application Route	-



ersion D	Revision Date: 28.09.2024		9S Number: 49588-00023	Date of last issue: 30.09.2023 Date of first issue: 13.02.2018
				40 mg/kg body weight reproductive effects
Effec	Effects on fetal development :			
			Test Type: Develor Species: Rabbit Application Route Developmental To Result: No teratog	: Oral oxicity: NOAEL: 10 mg/kg body weight
Repro sessr	oductive toxicity - As- nent	:	May damage the	unborn child.
Proc	aine hydrochloride:			
Repro sessr	oductive toxicity - As- nent	:	May damage the	unborn child.
Pirox	kicam:			
Effec	Effects on fetal development :			e: Oral oxicity: LOAEL: 10 mg/kg body weight etal toxicity., No teratogenic effects., Fetal
			Symptoms: Fetal Result: Embryo-fe growth retardation	e: Oral oxicity: LOAEL: 30 mg/kg body weight mortality. etal toxicity., No teratogenic effects., Fetal
			Test Type: Develor Species: Rabbit Application Route Developmental Te Result: No embry	: Oral pxicity: NOAEL: 10 mg/kg body weight
Repro sessr	oductive toxicity - As- nent	:	Suspected of dan	naging the unborn child.



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	<b>F-single exposure</b> cause damage to organs	s (N	ervous system, Hea	art).
Com	ponents:			
Proc	aine hydrochloride:			
	et Organs ssment	:	Nervous system, Causes damage	
Caus				gh prolonged or repeated exposure. ) through prolonged or repeated exposure.
Com	ponents:			
Strep	otomycin sulphate:			
-	et Organs ssment	:	Kidney, inner ear Causes damage t exposure.	to organs through prolonged or repeated
Pirox	ticam:			
	et Organs ssment	:	Gastrointestinal tr Causes damage t exposure.	ract to organs through prolonged or repeated
Repe	ated dose toxicity			
Com	ponents:			
Speci NOAI Applie	EL cation Route sure time	:	Rat 100 mg/kg Subcutaneous 72 Days No significant adv	verse effects were reported
Expo		:	Cat 200 mg/kg Oral 90 Days inner ear	
Expo		::	Dog 44 mg/kg Intramuscular 14 Days inner ear	



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Expo	sure time	: 20 Days
Targe	et Organs	: inner ear, Kidney
Symp	otoms	: ataxia
Speci		: Monkey
NOA		: 50 mg/kg
LOAE		: 100 mg/kg
	cation Route	: Intramuscular
	sure time	: 5 Days
Targe	et Organs	: Liver, Kidney
Spec		: Rat
NOA		: 5 mg/kg
	cation Route	: Oral
	sure time	: 2 y
Rema	arks	: No significant adverse effects were reported
Speci	ies	: Monkey
LÓAE	EL	: 25 mg/kg
	cation Route	: Subcutaneous
	sure time	: 66 Days
	et Organs	: Blood, Liver, Kidney
Symp	otoms	: anemia
Com	rience with human e ponents: ylpenicillin:	posure
Inhala		: Symptoms: Allergic reactions, Abdominal pain, bron- chospasm, skin rash
Strep	tomycin sulphate:	
Inhala		: Target Organs: inner ear
		Symptoms: hearing loss
		Target Organs: Kidney
		Symptoms: hearing loss
Skin o	contact	: Symptoms: skin rash
Proca	aine hydrochloride:	
Inhala	ation	<ul> <li>Target Organs: Central nervous system Symptoms: nervousness, Dizziness, Convulsions, Breathing difficulties, Rash, Swelling of tissue, irregular heart beat Remarks: May cause harm to the unborn child. Based on clinical use Target Organs: Heart</li> </ul>
		Symptoms: nervousness, Dizziness, Convulsions, Breathing difficulties, Rash, Swelling of tissue, irregular heart beat Remarks: May cause harm to the unborn child. Based on clinical use



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Inges		:	: Target Organs: Gastrointestinal tract Symptoms: Diarrhea, constipation, flatulence, Headache, ziness, tinnitus, skin rash, Ulceration, chest pain, Abdomir pain				
	12. ECOLOGICAL INFO	JRI	ATION				
	ponents:						
	ylpenicillin:						
	ity to fish	:	LC50 (Oncorhync Exposure time: 96 Method: OECD Te				
	ity to daphnia and other ic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te				
Toxic plants	ity to algae/aquatic	:	EC50 (Raphidoce 100 mg/l Exposure time: 72 Method: OECD Te				
			NOEC (Raphidoc mg/l Exposure time: 72 Method: OECD To				
			EC50 (blue-green Exposure time: 72 Method: OECD Te	? hrs			
			NOEC (blue-gree Exposure time: 72 Method: OECD Te				
	ctor (Acute aquatic tox-	:	1				
icity) Toxic	ity to microorganisms	:	EC50: > 500 mg/l Exposure time: 3 Test Type: Respir Method: OECD To	ation inhibition			
			NOEC: 5 mg/l Exposure time: 3 Test Type: Respir Method: OECD To	ation inhibition			



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S	Strepto	omycin sulphate:					
-	Toxicity to daphnia and other aquatic invertebrates			: EC50 (Daphnia magna (Water flea)): 487 mg/l Exposure time: 48 h Method: OECD Test Guideline 202			
	Toxicity to algae/aquatic plants		:	EC50 (Microcystis Exposure time: 72 Method: ISO 8692			
				EC50 (Selenastru Exposure time: 72 Method: OECD Te			
		or (Acute aquatic tox-	:	100			
ā	icity) Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity) M-Factor (Chronic aquatic toxicity) <b>Procaine hydrochloride:</b>			NOEC (Daphnia n Exposure time: 21 Method: OECD Te			
				100			
F							
E	Ecotox	icology Assessment					
ŀ	Acute a	equatic toxicity	:	Toxic effects cann	ot be excluded		
C	Chronic	aquatic toxicity	:	Toxic effects cann	ot be excluded		
	Piroxicam:						
		icology Assessment					
ŀ	Acute a	equatic toxicity	:	Toxic effects cann	ot be excluded		
C	Chronic	aquatic toxicity	:	Toxic effects cann	ot be excluded		
	Persist	ence and degradabili	ty				
<u>(</u>	Compo	onents:					
E	Benzyl	penicillin:					
E	Biodeg	radability	:	Result: Readily bio Biodegradation: 7 Exposure time: 28 Method: OECD Te	70,10 %		
E	Bioacc	umulative potential					
<u>(</u>	Compo	onents:					
ę	Streptomycin sulphate:						



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Partition coefficient: n- octanol/water		: log Pow: -3,2		
Procaine hydrochloride: Partition coefficient: n- octanol/water		: log Pow: 2,14		
	<b>ity in soil</b> ta available			
<b>Other adverse effects</b> No data available				

### SECTION 13. DISPOSAL CONSIDERATIONS

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

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

### International Regulations

UNRTDG		
UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzylpenicillin, Streptomycin sulphate)
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. (Benzylpenicillin, Streptomycin sulphate)
Class	:	9
Packing group	:	
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.



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Pac Lab Em	Class Packing group Labels EmS Code Marine pollutant		(Benzylpenicillin, 9 III 9 F-A, S-F yes	Streptomycin sulphate)
	nsport in bulk according applicable for product as			OL 73/78 and the IBC Code
Dor	nestic regulation			
	<b>FT</b> number per shipping name	:	N.O.S.	ALLY HAZARDOUS SUBSTANCE, LIQUID, Streptomycin sulphate)
Lab	king group	: : :	(Denzyiperileiliini, 9 III 9 90	

#### 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**

Safety, health and environmental regulations/legislation specific for the substance mixture							
Natior (LINA)	nal List of Carcinogenic Age CH)	ents for Humans -	:	Not applicable			
Brazil. Police	List of chemicals controlled	d by the Federal	:	Not applicable			
The ir	The ingredients of this product are reported in the following inventories:						
AICS	:	not determined					

DSL	:	not determined
IECSC	:	not determined

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

Revision Date	:	28.09.2024
Date format	:	dd.mm.yyyy

#### **Further information**



Version 7.0	Revision Date: 28.09.2024	 DS Number: 149588-00023	Date of last issue: 30.09.2023 Date of first issue: 13.02.2018	
Source	es of key data used to	Internal technical	data, data from raw material SDSs, OECD	

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 Agency, 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.

#### Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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 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.