

# Benzylpenicillin / Dihydrostreptomycin Sulphate Formulation

Versior 3.0		evision Date: 8.09.2024		S Number: 311350-00007	Date of last issue: 30.09.2023 Date of first issue: 08.07.2022	
SECTIO	ON 1. ID	ENTIFICATION				
Pr	roduct id	entifier	:	Benzylpenicillin /	Dihydrostreptomycin Sulphate Formulation	
	Manufacturer or supplier's Company		detai :	i <b>ls</b> MSD		
Ac	Address		:	Rua Coronel Bento Soares, 530 Cruzeiro - Sao Paulo - Brazil CEP 12730-340		
Τe	Telephone		:	908-740-4000		
Er	Emergency telephone		:	1-908-423-6000		
E-	E-mail address		:	: EHSDATASTEWARD@msd.com		
Re	Recommended use of the o		hem	ical and restriction	ons on use	
	Recommended use Restrictions on use		:	Veterinary produ Not applicable	ct	

## **SECTION 2. HAZARDS IDENTIFICATION**

GHS Classification in accordance with ABNT NBR 14725 Standard					
Respiratory sensitization :	:	Category 1			
Skin sensitization :		Category 1			
Specific target organ toxicity - : repeated exposure (Oral)		Category 1 (ear, Kidney, inner ear)			
Short-term (acute) aquatic : hazard		Category 2			

## GHS label elements in accordance with ABNT NBR 14725 Standard

Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	<ul> <li>H317 May cause an allergic skin reaction.</li> <li>H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</li> <li>H372 Causes damage to organs (ear, Kidney, inner ear) through prolonged or repeated exposure if swallowed.</li> <li>H401 Toxic to aquatic life.</li> </ul>



# Benzylpenicillin / Dihydrostreptomycin Sulphate Formulation

Version 3.0	Revision Date: 28.09.2024	SDS Number: 10811350-00007	Date of last issue: 30.09.2023 Date of first issue: 08.07.2022	
Precautionary Statements		<ul> <li>Prevention:</li> <li>P264 Wash skin thoroughly after handling.</li> <li>P270 Do not eat, drink or smoke when using this product.</li> <li>P272 Contaminated work clothing should not be allowed of the workplace.</li> <li>P273 Avoid release to the environment.</li> <li>P280 Wear protective gloves.</li> </ul>		
		P304 + P340 IF keep comfortabl P333 + P313 If vice/ attention. P342 + P311 If POISON CENTI	skin irritation or rash occurs: Get medical ad- experiencing respiratory symptoms: Call a	

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)
Dihydrostreptomycin sulphate	5490-27-7	STOT RE, (Oral)(ear, Kidney, inner ear) , 1	>= 20 -< 30
Benzylpenicillin	61-33-6	Resp. Sens., 1A Skin Sens., 1B Aquatic Acute, 1 Aquatic Chronic, 3	>= 20 -< 25
Sodium hydroxymethanesul- phinate	149-44-0	Muta., 2 Repr., 2	>= 0,1 -< 1

## SECTION 4. FIRST AID MEASURES

General advice	<ul> <li>In the case of accident or if you feel unwell, seek medical advice immediately.</li> <li>When symptoms persist or in all cases of doubt seek medical advice.</li> </ul>
If inhaled	<ul> <li>If inhaled, remove to fresh air.</li> <li>If not breathing, give artificial respiration.</li> <li>If breathing is difficult, give oxygen.</li> <li>Get medical attention.</li> </ul>
In case of skin contact	: In case of contact, immediately flush skin with soap and plenty



# Benzylpenicillin / Dihydrostreptomycin Sulphate Formulation

Version 3.0	Revision Date: 28.09.2024	SDS Number: 10811350-00007	Date of last issue: 30.09.2023 Date of first issue: 08.07.2022			
In case of eye contact		<ul> <li>of water.</li> <li>Remove contaminated clothing and shoes.</li> <li>Get medical attention.</li> <li>Wash clothing before reuse.</li> <li>Thoroughly clean shoes before reuse.</li> <li>Flush eyes with water as a precaution.</li> <li>Get medical attention if irritation develops and persists.</li> <li>If swallowed, DO NOT induce vomiting.</li> </ul>				
		Get medical Rinse mouth	Get medical attention. Rinse mouth thoroughly with water.			
	important symptoms effects, both acute and yed	May cause a difficulties if i Causes dam	age to organs through prolonged or repeated			
		other respira reactive airw	posure may aggravate preexisting asthma and tory disorders (e.g. emphysema, bronchitis, ays dysfunction syndrome).			
Protection of first-aiders Notes to physician		and use the when the pot	bonders should pay attention to self-protection, recommended personal protective equipment tential for exposure exists (see section 8). omatically 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 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

Personal precautions, protec- :	Use personal protective equipment.
tive equipment and emer-	Follow safe handling advice (see section 7) and personal



# Benzylpenicillin / Dihydrostreptomycin Sulphate Formulation

Vers 3.0	sion	Revision Date: 28.09.2024		S Number: 311350-00007	Date of last issue: 30.09.2023 Date of first issue: 08.07.2022	
	gency procedures			protective equipm	ent 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 re disposal of this me employed in the co determine which re Sections 13 and 1	a absorbent material. rovide diking or other appropriate ep material from spreading. If diked material store recovered material in appropriate ing materials from spill with suitable regulations may apply to releases and aterial, as well as those materials and items leanup of releases. You will need to regulations are applicable. 5 of this SDS provide information regarding tional requirements.	

### SECTION 7. HANDLING AND STORAGE

Technical measures Local/Total ventilation Advice on safe handling	<ul> <li>See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.</li> <li>Use only with adequate ventilation.</li> <li>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. Already sensitized individuals, and those susceptible to asthma, allergies, chronic or recurrent respiratory disease, should consult their physician regarding working with respiratory irritants or sensitizers. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the</li> </ul>
Hygiene measures	<ul> <li>environment.</li> <li>If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place.</li> <li>When using do not eat, drink or smoke.</li> <li>Contaminated work clothing should not be allowed out of the workplace.</li> <li>Wash contaminated clothing before re-use.</li> </ul>



# Benzylpenicillin / Dihydrostreptomycin Sulphate Formulation

Version 3.0	Revision Date: 28.09.2024	SDS Number: 10811350-00007	Date of last issue: 30.09.2023 Date of first issue: 08.07.2022		
Conditions for safe storage		<ul> <li>The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.</li> <li>Keep in properly labeled containers. Keep tightly closed.</li> </ul>			
Materials to avoid		Store in accorda Do not store with Strong oxidizing	nce with the particular national regulations. the following product types: agents stances and mixtures		

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Dihydrostreptomycin sulphate	5490-27-7	TWA	0.4 mg/m3 (OEB 2)	
	Further information	ation: OTO		
		Wipe limit	Not required	
Benzylpenicillin	61-33-6	TWA	600 μg/m3 (OEB 2)	Internal
	Further information: RSEN, DSEN			
		Wipe limit	100 µg/100 cm2	Internal

## Ingredients with workplace control parameters

Engineering measures	:	Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., drip- less quick connections). All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Laboratory operations do not require special containment.
Personal protective equipme	ent	
Respiratory protection	:	If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection. Particulates type
Hand protection 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



# Benzylpenicillin / Dihydrostreptomycin Sulphate Formulation

Ver 3.0	sion	Revision Date: 28.09.2024		S Number: 11350-00007	Date of last issue: 30.09.2023 Date of first issue: 08.07.2022
	Skin and body protection			aerosols. Work uniform or la	aboratory coat.
SEC	CTION 9	. PHYSICAL AND CH	EMIC		3
	Physica	al state	:	suspension	
	Color		:	off-white, white	
	Odor		:	No data available	)
	Odor T	hreshold	:	No data available	)
	рН		:	5,0 - 7,2	
	Melting	point/freezing point	:	No data available	)
	Initial b range	oiling point and boiling	:	No data available	
	Flash p	oint	:	No data available	9
	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	,	:	1,14 - 1,18 g/cm <sup>3</sup>	
	Solubili Wat	ty(ies) er solubility	:	No data available	)
	Partitio octanol	n coefficient: n-	:	Not applicable	
		nition temperature	:	No data available	)
	Decom	position temperature	:	No data available	)
	Viscosi Visc	ty cosity, kinematic	:	No data available	



# Benzylpenicillin / Dihydrostreptomycin Sulphate Formulation

Version 3.0	Revision Date: 28.09.2024	SDS Number: 10811350-00007	Date of last issue: 30.09.2023 Date of first issue: 08.07.2022
Expl	osive properties	: Not explosive	9
Oxidizing properties		: The substan	ce or mixture is not classified as oxidizing.
Molecular weight		: No data avai	lable
Particle characteristics Particle size		: No data avai	lable
Part	icle Size Distribution	: D50 = 15 µm	
		D90 = 30 µm	I

### 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.
tions		
Conditions to avoid	:	None known.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition	:	No hazardous decomposition products are known.
products		

### SECTION 11. TOXICOLOGICAL INFORMATION

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

#### Acute toxicity

Not classified based on available information.

#### **Components:**

## Dihydrostreptomycin sulphate:

Acute oral toxicity	:	LD50 (Rat): 9.000 - 25.000 mg/kg
		LD50 Oral (Mouse): 30.000 mg/kg
Benzylpenicillin:		
Acute oral toxicity	:	LD50 (Rat): 8.000 mg/kg
		LD50 (Mouse): > 5.000 mg/kg
Acute toxicity (other routes of administration)	:	LD50 (Mouse): 3.500 mg/kg Application Route: Intraperitoneal
		LD50 (Mouse): 329 mg/kg Application Route: Intravenous
	Benzylpenicillin: Acute oral toxicity Acute toxicity (other routes of	Benzylpenicillin: Acute oral toxicity : Acute toxicity (other routes of :



# Benzylpenicillin / Dihydrostreptomycin Sulphate Formulation

Version 3.0	Revision Date: 28.09.2024	SDS Number: 10811350-00007	Date of last issue: 30.09.2023 Date of first issue: 08.07.2022
Sodiu	m hydroxymethanes	sulphinate:	
Acute	oral toxicity		.000 mg/kg Test Guideline 423 ne substance or mixture has no acute oral tox-
Acute	dermal toxicity		.000 mg/kg Test Guideline 402 ne substance or mixture has no acute dermal

## Skin corrosion/irritation

Not classified based on available information.

#### **Components:**

### Sodium hydroxymethanesulphinate:

Species	:	Rat
Result	:	No skin irritation

## Serious eye damage/eye irritation

Not classified based on available information.

### **Components:**

### Sodium hydroxymethanesulphinate:

Species Result Method	: Rabbit
Result	: No eye irritation
Method	: OECD Test Guideline 405

#### Respiratory or skin sensitization

#### Skin sensitization

May cause an allergic skin reaction.

#### Respiratory sensitization

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

#### **Components:**

#### Benzylpenicillin:

Test Type Routes of exposure Species Result	: Local lymph node assay (LLNA) : Dermal : Mouse : Weak sensitizer
Test Type Routes of exposure Species Result Remarks	<ul> <li>Maximization Test</li> <li>Dermal</li> <li>Guinea pig</li> <li>positive</li> <li>Based on data from similar materials</li> </ul>
Result	: Strong sensitizer



# Benzylpenicillin / Dihydrostreptomycin Sulphate Formulation

rsion )	Revision Date: 28.09.2024		S Number: 311350-00007	Date of last issue: 30.09.2023 Date of first issue: 08.07.2022
Remarks		:	Based on huma	n experience.
Sodiu	ım hydroxymethane	sulphi	nate:	
Test 1 Route Speci Metho Resul	es of exposure es od	:	Maximization Te Skin contact Guinea pig OECD Test Gui negative	
	cell mutagenicity assified based on ava	ailable i	nformation.	
<u>Comp</u>	oonents:			
Dihyc	Irostreptomycin sul	ohate:		
Geno	toxicity in vitro	:		mosome aberration test in vitro Iman lymphocytes
Benzy	ylpenicillin:			
	cell mutagenicity - sment	:	Weight of evider cell mutagen.	nce does not support classification as a gerr
Sodiu	Im hydroxymethane	sulphi	nate:	
Geno	toxicity in vitro	:		erial reverse mutation assay (AMES) Test Guideline 471
				ro mammalian cell gene mutation test Test Guideline 476
Geno	toxicity in vivo	:	cytogenetic ass Species: Mouse Application Rou	
	cell mutagenicity -		Positive result(s	) from in vivo mammalian somatic cell

## Components:

## Dihydrostreptomycin sulphate:

Species Application Route Exposure time	:	Rat
Application Route	:	Oral
Exposure time	:	2 Years



# Benzylpenicillin / Dihydrostreptomycin Sulphate Formulation

rsion	Revision Date: 28.09.2024		DS Number: 811350-00007	Date of last issue: 30.09.2023 Date of first issue: 08.07.2022
NOAE Result		:	5 mg/kg body we negative	ight
-	ductive toxicity assified based on availa	able	information.	
Comp	onents:			
Dihydı	rostreptomycin sulph	ate:		
Effects	on fetal development	:	Species: Rabbit Application Route Developmental T	yo-fetal development e: Oral oxicity: NOAEL: 5 mg/kg body weight yo-fetal development
			Species: Guinea Application Route General Toxicity weight Developmental T Result: Maternal	pig
Benzy	Ipenicillin:			
Effects	on fertility	:	Test Type: Fertili Species: Mouse Result: No effect	
			Test Type: Fertili Species: Rat Result: No effect	
			Test Type: Fertili Species: Rabbit Result: No effect	
Effects	on fetal development	:	Test Type: Deve Species: Mouse Result: No effect	opment s on fetal development.
			Test Type: Deve Species: Rat Result: No effect	opment s on fetal development.
			Test Type: Deve Species: Rabbit Result: No effect	opment s on fetal development.



# Benzylpenicillin / Dihydrostreptomycin Sulphate Formulation

		0.5		
Version 3.0	Revision Date: 28.09.2024		OS Number: 811350-00007	Date of last issue: 30.09.2023 Date of first issue: 08.07.2022
			Application Route Method: OECD T Result: negative	e: Ingestion est Guideline 422
Effec	ts on fetal development	:	Species: Rat Application Route	yo-fetal development e: Ingestion fest Guideline 414
Repr sessi	oductive toxicity - As- ment	:	Some evidence c animal experime	of adverse effects on development, based on hts.
STO	T-single exposure			
Not c	lassified based on avail	able	information.	
	T-repeated exposure			
	ses damage to organs (e owed.	ear, ł	Kidney, inner ear) t	hrough prolonged or repeated exposure if
<u>Com</u>	ponents:			
Dihy	drostreptomycin sulpł	nate		
Asse	ssment	:	Causes damage exposure.	to organs through prolonged or repeated
Repe	eated dose toxicity			
<u>Com</u>	ponents:			
Dihy	drostreptomycin sulpł	nate		
Spec	ies	:	Guinea pig	
LOA		÷	40 mg/kg	
Appil	cation Route sure time	:	Oral 90 d	
Targ	et Organs	÷	ear	
Sym	otoms	:	hearing loss	
Spec	ies	:	Cat	
LÒAI		:	100 mg/kg	
	cation Route	:	Oral	
	sure time	:	60 d	
	et Organs otoms	:	ear ataxia, hearing lo	ss, Reduced body weight
Spec	ies	:	Cat	
LÒA	EL	:	300 mg/kg	
	cation Route	:	Oral	
Expo	sure time	:	21 d	
	et Organs	÷	ear	ss. Reduced body weight
Sym	otoms	•	alaxia, nearing 10	ss, Reduced body weight

## Sodium hydroxymethanesulphinate:



# Benzylpenicillin / Dihydrostreptomycin Sulphate Formulation

Version 3.0	Revision Date: 28.09.2024		DS Number: 811350-00007	Date of last issue: 30.09.2023 Date of first issue: 08.07.2022
NOAE Applic Expos	Species NOAEL Application Route Exposure time Method		Rat 600 mg/kg Ingestion 13 Weeks OECD Test Guide	eline 408
-	ation toxicity assified based on availa	able	information.	
Expe	rience with human exp	osi	ıre	
Comp	oonents:			
Dihyo	Irostreptomycin sulph	ate	:	
Gene	ral Information	:	Symptoms: Eryth Headache, hypot	ema, hearing loss, Nausea, Rash, Vomiting, ension
Benzy	ylpenicillin:			
Inhala	ition	:	Symptoms: Allerg chospasm, skin ra	jic reactions, Abdominal pain, bron- ash
SECTION	12. ECOLOGICAL INF	ORI	MATION	
Ecoto	oxicity			
Comp	oonents:			
Benzy	ylpenicillin:			
Toxici	ty to fish	:	Exposure time: 9	chus mykiss (rainbow trout)): > 100 mg/l 6 hrs est Guideline 203
	ty to daphnia and other ic invertebrates	:	Exposure time: 4	nagna (Water flea)): 3,6 mg/l 3 hrs est Guideline 202
Toxici plants	ty to algae/aquatic	:	EC50 (Raphidoce 100 mg/l Exposure time: 72 Method: OECD T	

NOEC (Raphidocelis subcapitata (freshwater green alga)): 50 mg/l Exposure time: 72 hrs

EC50 (blue-green algae): 0,74 mg/l Exposure time: 72 hrs Method: OECD Test Guideline 201

Method: OECD Test Guideline 201

NOEC (blue-green algae): 0,14 mg/l Exposure time: 72 hrs Method: OECD Test Guideline 201



# Benzylpenicillin / Dihydrostreptomycin Sulphate Formulation

Versio 3.0	on	Revision Date: 28.09.2024		S Number: 811350-00007	Date of last issue: 30.09.2023 Date of first issue: 08.07.2022
		or (Acute aquatic tox-	:	1	
	city) Toxicity	to microorganisms	:	EC50: > 500 mg/l Exposure time: 3 Test Type: Respir Method: OECD Te NOEC: 5 mg/l Exposure time: 3 Test Type: Respir Method: OECD Te	h ation inhibition est Guideline 209 h ation inhibition
S	Sodiun	n hydroxymethanesu	lphi	nate:	
Т	oxicity	r to fish	:	LC50 (Leuciscus i Exposure time: 96	idus (Golden orfe)): > 10.000 mg/l S h
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
	oxicity ants	to algae/aquatic	:	ErC50 (Desmodes Exposure time: 72 Method: OECD Te	
				NOEC (Desmode: Exposure time: 72 Method: OECD Te	
	oxicity city)	to fish (Chronic tox-	:	NOEC (Danio reri Exposure time: 35 Method: OECD Te	
a		invertebrates (Chron-	:	EC10 (Daphnia m Exposure time: 21 Method: OECD Te	
Т	oxicity	to microorganisms	:	NOEC: 10 mg/l Exposure time: 4	h
F	Persist	ence and degradabili	ty		
		onents:	-		
E	Benzyl	penicillin:			
E	Biodegi	radability	:	Result: Readily bio Biodegradation: 7 Exposure time: 28 Method: OECD Te	70,10 %
		n hydroxymethanesu	lphi		
E	Biodegi	radability	:	Result: Readily bio Biodegradation: 7	



# Benzylpenicillin / Dihydrostreptomycin Sulphate Formulation

Version 3.0	Revision Date: 28.09.2024	SDS Number: 10811350-00007	Date of last issue: 30.09.2023 Date of first issue: 08.07.2022
Bioac	cumulative potential	Exposure time: 2 Method: OECD 1	28 d Fest Guideline 301B
	onents:		
Partitic	<b>m hydroxymethanesu</b> on coefficient: n- ol/water	•	
	<b>ty in soil</b> ta available		
• • • • • •	<b>adverse effects</b> ta available		
SECTION	13. DISPOSAL CONSI	DERATIONS	
-	sal methods from residues	: Do not dispose o	of waste into sewer.

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

Not regulated as a dangerous good

#### IATA-DGR

Not regulated as a dangerous good

#### IMDG-Code

Not regulated as a dangerous good

## Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

## **Domestic regulation**

**ANTT** Not regulated as a dangerous good

## Special precautions for user

Not applicable

### **SECTION 15. REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture



## Benzylpenicillin / Dihydrostreptomycin Sulphate Formulation

Version 3.0	Revision Date: 28.09.2024	SDS Number: 10811350-00007	Date of last issue: 30.09.2023 Date of first issue: 08.07.2022	
Natio (LINA	nal List of Carcinogenic .CH)	Agents for Humans -	: Not applicable	
	Brazil. List of chemicals controlled by the Federal : Not applicable Police			
	•	•	he following inventories:	
AICS		: not determined		
DSL		: not determined		
IECS	С	: not determined		

### SECTION 16. OTHER INFORMATION

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

### Further information

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/

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 Substanc-



## Benzylpenicillin / Dihydrostreptomycin Sulphate Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 30.09.2023
3.0	28.09.2024	10811350-00007	Date of first issue: 08.07.2022

es; (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.

BR / Z8