

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
5.1	28.09.2024	5500083-00014	Date of first issue: 10.03.2020

### **SECTION 1:** Identification of the substance/mixture and of the company/undertaking

:	Dexamethasone / Chlorphenamine Hydrogen Maleate Formu- lation
he s	substance or mixture and uses advised against
:	Veterinary medicine
:	Not applicable
	:

### **1.3 Details of the supplier of the safety data sheet**

Company	:	MSD Kilsheelan Clonmel Tipperary, IE
Telephone	:	353-51-601000
E-mail address of person responsible for the SDS	:	EHSDATASTEWARD@msd.com

### 1.4 Emergency telephone number

+1-908-423-6000

### **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

### Classification (REGULATION (EC) No 1272/2008)

•
H302: Harmful if swallowed.
H319: Causes serious eye irritation.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317: May cause an allergic skin reaction.
H361d: Suspected of damaging the unborn child.
Ate- H400: Very toxic to aquatic life.
Cat- H410: Very toxic to aquatic life with long lasting
effects.

### Labelling (REGULATION (EC) No 1272/2008)



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Haz	zard pictograms			!
Sig	nal word	: Dang	er	•
Haz	zard statements		May cause Causes se May cause Ilties if inhale d Suspected	swallowed. e an allergic skin reaction. erious eye irritation. e allergy or asthma symptoms or breathing ed. d of damaging the unborn child. to aquatic life with long lasting effects.
Pre	cautionary statements	P201 P273 P280	Avoid rele	ecial instructions before use. ase to the environment. ective gloves/ protective clothing/ eye protec- on.
		P304 keep P342	comfortable	

Hazardous components which must be listed on the label:

Dihydrostreptomycin sulphate 2-(4-Aminobenzoyloxy)ethyldiethylammonium (6R)-6-(2-phenylacetamido)penicillanate monohydrate Procaine hydrochloride

### Additional Labelling

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 33,36 %

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.



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### **SECTION 3: Composition/information on ingredients**

### 3.2 Mixtures

### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Dihydrostreptomycin sulphate	5490-27-7 226-823-7	Acute Tox. 4; H302 Skin Sens. 1; H317 Repr. 2; H361d Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10 Acute toxicity esti- mate Acute oral toxicity: 430 mg/kg	>= 50 - < 70
2-(4- Aminobenzo- yloxy)ethyldiethylammonium (6R)-6- (2-phenylacetamido)penicillanate monohydrate	6130-64-9	Resp. Sens. 1; H334 Skin Sens. 1; H317	>= 30 - < 50
Procaine hydrochloride	51-05-8 200-077-2	Acute Tox. 3; H301 Acute toxicity esti- mate Acute oral toxicity: 200 mg/kg	>= 1 - < 10
Chlorphenamine hydrogen maleate	113-92-8 204-037-5	Eye Dam. 1; H318 STOT SE 3; H336 STOT RE 2; H373 (Cardio-vascular system)	>= 1 - < 3
Dexamethasone	50-02-2 200-003-9	Repr. 1B; H360D STOT RE 2; H373 (Adrenal gland, Immune system, thymus gland) Aquatic Chronic 1;	>= 0,025 - < 0,1

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



# Dexamethasone / Chlorphenamine Hydrogen Maleate Formulation

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			H410	
			M-Factor (Chronic aquatic toxicity): 1	

For explanation of abbreviations see section 16.

### **SECTION 4: First aid measures**

4.1 Description of first aid measures				
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 advice.		
Protection of first-aiders	:	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).		
If inhaled	:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. 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	:	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	:	If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.		
4.2 Most important symptoms and effects, both acute and delayed				
Risks	:	Harmful if swallowed. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficul- ties if inhaled. Suspected of damaging the unborn child.		



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Excessive exposure may aggravate preexisting asthma and other respiratory disorders (e.g. emphysema, bronchitis, reactive airways dysfunction syndrome).

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment

: Treat symptomatically and supportively.

### **SECTION 5: Firefighting measures**

### 5.1 Extinguishing media

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire- fighting	:	Exposure to combustion products may be a hazard to health.	
Hazardous combustion prod- ucts	:	Carbon oxides Nitrogen oxides (NOx) Sulphur oxides Chlorine compounds Metal oxides	
5.3 Advice for firefighters			
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.	

-		
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.

### **SECTION 6: Accidental release measures**

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment.
		Follow safe handling advice (see section 7) and personal pro-
		tective equipment recommendations (see section 8).



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6.2 Environmental precautions						
Enviro	onmental precautions	Prevent further le Prevent spreadin barriers). Retain and dispo Local authorities	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.			
6.3 Metho	ds and material for co	ntainment and clean	ing up			
6.3 Methods and material for cont Methods for cleaning up		For large spills, ment to keep ma be pumped, stor Clean up remain bent.	ert absorbent material. provide dyking or other appropriate contain- aterial from spreading. If dyked material can be recovered material in appropriate container. hing materials from spill with suitable absor- I regulations may apply to releases and dis-			

posal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding

certain local or national requirements.

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

### **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

	0	
Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	Use only with adequate ventilation.
Advice on safe handling	:	Do not get on skin or clothing.
		Do not breathe mist or vapours.
		Do not swallow.
		Do not get in eyes.
		Wash skin thoroughly after handling.
		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.
		Do not eat, drink or smoke when using this product.
		Take care to prevent spills, waste and minimize release to the environment.
Hygiene measures	:	If exposure to chemical is likely during typical use, provide eye



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			place. When usin work clothing sho Wash contaminat The effective ope engineering contr appropriate dego	and safety showers close to the working g do not eat, drink or smoke. Contaminated uld not be allowed out of the workplace. ed clothing before re-use. ration of a facility should include review of ols, proper personal protective equipment, whing and decontamination procedures, monitoring, medical surveillance and the tive controls.	
7.2 Condit	tions for safe storage,	inc	luding any incom	patibilities	
Requirements for storage areas and containers		:	Keep in properly labelled containers. Store locked up. Ke tightly closed. Store in accordance with the particular nat regulations.		
Advic	e on common storage	:	Do not store with Strong oxidizing a Gases	the following product types: agents	
-	<b>ic end use(s)</b> fic use(s)	:	No data available		

### **SECTION 8: Exposure controls/personal protection**

### 8.1 Control parameters

### **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Dihydrostreptomy- cin sulphate	5490-27-7	TWA	OEB 2 (>= 100 < 1000 μg/m3)	Internal
		TWA	0,4 mg/m3	Customer derived OEL
Chlorphenamine hydrogen maleate	113-92-8	TWA	10 µg/m3 (OEB 3)	Internal
	Further inform	nation: Skin		
		Wipe limit	100 µg/100 cm2	Internal
Dexamethasone	50-02-2	TWA	10 µg/m3 (OEB 3)	Internal
	Further inform	mation: Skin		
		Wipe limit	100 µg/100 cm²	Internal

### 8.2 Exposure controls

### **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.



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a V	and to p vices).				mpounds are required to control at source rolled areas (e.g., open-face containment de-
F	Person	al protective equipm	ent		
I	Eye/fac	ce protection	:	If the work enviro mists or aerosols Wear a faceshield	ses with side shields or goggles. nment or activity involves dusty conditions, , wear the appropriate goggles. d or other full face protection if there is a et contact to the face with dusts, mists, or
I	Hand p	protection			
	Mate	erial	:	Chemical-resistar	nt gloves
ç	Remarks : Skin and body protection :		being performed ( suits) to avoid exp	aboratory coat. arments should be used based upon the task (e.g., sleevelets, apron, gauntlets, disposable bosed skin surfaces. legowning techniques to remove potentially	
F	Respira	atory protection	:	If adequate local of sure assessment ommended guide	exhaust ventilation is not available or expo- demonstrates exposures outside the rec- lines, use respiratory protection. d conform to NS EN 143
	Filte	r type	:	Particulates type	

### **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Physical state	:	suspension
Colour	:	white
Odour	:	No data available
Odour Threshold	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	Not applicable
Upper explosion limit / Upper flammability limit	:	No data available



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		xplosion limit / Lower sility limit	:	No data available	ч	
	Flash po	pint	:	No data available		
	Auto-ign	ition temperature	:	No data available		
	Decomp	osition temperature	:	No data available		
	рН		:	5,0 - 6,0 No data available		
	Viscosity Visco	y osity, kinematic	:	No data available		
	Solubility Wate	y(ies) er solubility	:	No data available		
	Partition octanol/	coefficient: n- water	:	Not applicable		
	Vapour	pressure	:	No data available		
	Relative	density	:	No data available		
	Density		:	1,17 - 1,21 g/cm³ No data available		
	Relative	vapour density	:	No data available		
		characteristics cle size	:	Not applicable		
9.2	Other inf	ormation				
	Explosiv	res	:	Not explosive		
	Oxidizin	g properties	:	The substance or	mixture is not classified as oxidizing.	
	Evapora	tion rate	:	No data available		
	Molecula	ar weight	:	No data available		



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### **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

Not classified as a reactivity hazard.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Can react with strong oxidizing agents.

### 10.4 Conditions to avoid

Conditions to avoid : None known.

### 10.5 Incompatible materials

Materials to avoid : Oxidizing agents

### **10.6 Hazardous decomposition products**

No hazardous decomposition products are known.

### **SECTION 11: Toxicological information**

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes o exposure	: Inhalation Skin contact Ingestion Eye contact	
Acute toxicity		
Harmful if swallowed.		
Product:		
Acute oral toxicity	: Acute toxicity estimate: 709,59 mg/kg Method: Calculation method	
Components:		
<u>Components:</u> Dihydrostreptomycin sulph	ie:	
	te: : LD50 (Rat): 430 mg/kg Remarks: Based on data from similar materials	
Dihydrostreptomycin sulph Acute oral toxicity	: LD50 (Rat): 430 mg/kg	nate

### Procaine hydrochloride:



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Acute	e oral toxicity	:	LD50 (Rat): 20	0 mg/kg
Chlo	rphenamine hydrogen	mal	eate:	
Acute	inhalation toxicity	:	LC50 (Rat): 0,0 Exposure time Test atmosphe	: 4 h
	e toxicity (other routes of histration)	:	LD50 (Rat): 89	mg/kg
Dexa	methasone:			
Acute	e oral toxicity	:	LD50 (Rat): > 2	2.000 mg/kg
			LD50 (Mouse)	: > 6.500 mg/kg
	e toxicity (other routes of histration)	:		mg/kg ute: Subcutaneous
-	corrosion/irritation			
	lassified based on availa	ble	information.	
Com	ponents:			
	Aminobenzoyloxy)ethy bhydrate:	ldie	ethylammonium	(6R)-6-(2-phenylacetamido)penicillanat
Resu	-	:	No skin irritatio	n
Chlo	rphenamine hydrogen	mal	eate:	
Speci		:	Rabbit	
Resu		:	No skin irritatio	n
Dexa	methasone:			
Speci	es	:	Rabbit	
Resu		:	Mild skin irritat	ion
Serio	us eye damage/eye irri	itati	ion	
Caus	es serious eye irritation.			
<u>Com</u>	oonents:			
•	Aminobenzoyloxy)ethy ohydrate:	ldie	ethylammonium	(6R)-6-(2-phenylacetamido)penicillanat
Resu	•	:	No eye irritatio	n
Chlo	rphenamine hydrogen	məl	eate.	
Speci		a	Rabbit	
Opeci	63		ιλαυμι	

Species	:	Rabbit
Result	:	Severe irritation



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Dexa	amethasone:		
Spec Rest	cies	: Rabbit : Mild eye ir	ritation
Res	piratory or skin sens	itisation	
Skin	sensitisation		
May	cause an allergic skin	reaction.	
Res	piratory sensitisatior	1	
-			eathing difficulties if inhaled.
Com	ponents:		
Dihy	/drostreptomycin sul	phate:	
-	Туре	-	peat insult patch test (HRIPT)
	osure routes	: Skin conta	
Spec		: Humans	
Resu		: positive	
Rem	narks	: Based on	data from similar materials
Asse	essment	: Probability	or evidence of skin sensitisation in humans
mon	ohydrate:		ium (6R)-6-(2-phenylacetamido)penicillanate
	Type osure routes	: Maximisat : Skin conta	
Spec		: Guinea pig	
Meth			, st Guideline 406
Resi		: positive	
	narks		data from similar materials
Asse	essment	: Probability	or evidence of skin sensitisation in humans
Asse	essment	: Probability animal tes	of respiratory sensitisation in humans based on ting
Chlo	orphenamine hydrog	en maleate:	
	osure routes	: Dermal	
	arks	: No data av	ailable
	<b>n cell mutagenicity</b> classified based on av	ailable information	
Com	ponents:		
Proc	caine hydrochloride:		
	otoxicity in vitro	: Test Type Result: ne	Bacterial reverse mutation assay (AMES) gative

Remarks: Based on data from similar materials



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Chlo	rphenamine hydrogen	mal	eate:	
Geno	toxicity in vitro	:	Test Type: Bactor Result: negative	erial reverse mutation assay (AMES)
			Test Type: Mous Result: negative	
				r chromatid exchange assay inese hamster ovary cells
Germ sessr	i cell mutagenicity- As- nent	:	Weight of evider cell mutagen.	nce does not support classification as a gern
Dexa	methasone:			
Geno	toxicity in vitro	:	Test Type: Bactor Result: negative	erial reverse mutation assay (AMES)
			Test Type: in vit Test system: mo Result: negative	ouse lymphoma cells
Geno	toxicity in vivo	:	Test Type: Micro Species: Mouse Application Rout Result: negative	te: Oral
	nogenicity			
	lassified based on avail	able	information.	
	ponents:			
	rphenamine hydrogen	mal		
Speci	es cation Route	:	Rat Oral	
	sure time	÷	2 Years	
NÓA	ΞL	:	30 - 60 mg/kg bo	ody weight
Resu	It	:	negative	
0	·			



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	-	oductive toxicity ected of damaging the	unbo	rn child.	
	<u>Com</u>	oonents:			
	Dihyo	drostreptomycin sulp	hate:		
	Reproductive toxicity - As- : sessment			Some evidence animal experime	of adverse effects on development, based on ents.
	Chlor	phenamine hydroger	n mal	eate:	
	Effect	s on fertility	:	Species: Rat Application Rout Fertility: LOAEL	generation reproduction toxicity study te: Oral : 20 mg/kg body weight ts on fertility, No effects on foetal development
	Effect ment	s on foetal develop-	:	Species: Mouse Application Rout Developmental Result: Reduced observed. Remarks: The st certain.	te: Oral Toxicity: NOAEL: 20 mg/kg body weight d embryonic survival, No malformations were ignificance of these findings for humans is not
				Species: Rabbit Application Rout Developmental	
		methasone: s on foetal develop-	:	Developmental	te: Subcutaneous Toxicity: LOAEL: 6 mg/kg body weight developmental abnormalities, Cleft palate
				Application Rout	te: Intramuscular Toxicity: NOAEL: 0,025 mg/kg body weight developmental abnormalities
				Developmental	te: Intramuscular Toxicity: LOAEL: >= 0,062 mg/kg body weight developmental abnormalities
				Species: Rat	



ersion 1	Revision Date: 28.09.2024		OS Number: 00083-00014	Date of last issue: 06.04.2024 Date of first issue: 10.03.2020
			Developmental	te: Subcutaneous Toxicity: LOAEL: >= 0,02 mg/kg body weight and visceral variations, Retardations
Repro sessr	oductive toxicity - As- nent	:	May damage the	e unborn child.
	<b>F - single exposure</b> lassified based on avai	ilable	information.	
Com	ponents:			
Chlo	rphenamine hydroger	n mal	eate:	
	ssment	:		vsiness or dizziness.
STO	F - repeated exposure	•		
	lassified based on avai		information.	
	ponents:			
		-		
	rphenamine hydroger	n mal		
	et Organs ssment	:	Cardio-vascular May cause dam exposure.	system age to organs through prolonged or repeater
Dexa	methasone:			
Expo	sure routes	:	Oral	
Targe	et Organs ssment	:		mmune system, thymus gland age to organs through prolonged or repeate
Repe	ated dose toxicity			
Com	ponents:			
Chlo	rphenamine hydroger	n mal	eate:	
Spec		:	Rat	
NOAI		:	10 mg/kg	
	cation Route	:	Oral	
	sure time	:	6 Weeks	
Rema	arks	:	No significant ac	dverse effects were reported
Spec	ies	:	Monkey	
LÖAE		:	15 mg/kg	
	cation Route	:	Oral	
	sure time	:	105 Weeks	
Targe	et Organs	:	Heart	
Dexa	methasone:			
Spec	ies	:	Rat	
Spec	les	:	Rat 15 / 25	

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Expo	cation Route sure time et Organs	: 0,0015 mg/kg : Oral : 7 d : Liver : Significant toxic	city observed in testing
Expo	EL cation Route sure time et Organs		gland, thymus gland city observed in testing
Expo	EL cation Route sure time et Organs	: Rat : 0,125 mg/kg : Oral : 6 Weeks : Adrenal gland : Significant toxi	city observed in testing
Expo	EL cation Route sure time et Organs	: Rat : 0,4 mg/kg : Oral : 3 Months : Immune syster : Significant toxi	n city observed in testing
Expo	EL cation Route sure time et Organs	: Dog : 8 mg/kg : Oral : 3 Months : Immune syster : Significant toxi	n city observed in testing

### Aspiration toxicity

Not classified based on available information.

### 11.2 Information on other hazards

### Endocrine disrupting properties

#### Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.



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Expe	Experience with human exposure									
Com	ponents:									
Dihy	drostreptomycin sul	phate:								
Gene	eral Information	: Target Org Symptoms:	ans: ear hearing loss							
Chlo	Chlorphenamine hydrogen maleate:									
Inhala	ation		central nervous system effects May cause respiratory tract irritation.							
Skin	contact		May irritate skin.							
Eye c	contact		Eye irritation /ay cause irreversible eye damage.							
Inges	stion	: Symptoms:	central nervous system effects Based on Human Evidence							
Dexa	methasone:									
Inges	tion	Target Org Target Org	ans: Immune system ans: Adrenal gland ans: Bone muscle weakness							

### **SECTION 12: Ecological information**

### 12.1 Toxicity

### **Components:**

Dihydrostreptomycin sulphate:						
Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h Remarks: Based on data from similar materials				
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Remarks: Based on data from similar materials				
Toxicity to algae/aquatic plants	:	EC50 : > 0,01 - 0,1 mg/l Remarks: Based on data from similar materials				
M-Factor (Acute aquatic tox- icity)	:	10				
M-Factor (Chronic aquatic toxicity)	:	10				
2-(4-Aminobenzoyloxy)ethy monohydrate:	ldie	ethylammonium (6R)-6-(2-phenylacetamido)penicillanate				

### **Ecotoxicology Assessment**

Acute aquatic toxicity :	Toxic effects cannot be excluded
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Ch	ronic aquatic toxicity	:	Toxic effects can	not be excluded
Pro	ocaine hydrochloride:			
Ec	otoxicology Assessment			
Ac	ute aquatic toxicity	:	Toxic effects can	not be excluded
Ch	ronic aquatic toxicity	:	Toxic effects can	not be excluded
De	xamethasone:			
	xicity to daphnia and other uatic invertebrates	:	Exposure time: 48	nagna (Water flea)): > 56 mg/l 8 h rest Guideline 202
	xicity to algae/aquatic nts	:	mg/l Exposure time: 72	chneriella subcapitata (green algae)): > 9,2 2 h est Guideline 201
			mg/l Exposure time: 72	rchneriella subcapitata (green algae)): 9,2 2 h ïest Guideline 201
To	xicity to microorganisms	:	EC50 : > 1.000 m Exposure time: 3 Test Type: Respin Method: OECD T	ĥ
			NOEC : 1.000 mg Exposure time: 3 Test Type: Respin Method: OECD T	ĥ
To: icit	xicity to fish (Chronic tox- y)	:	NOEC: 0,033 mg. Exposure time: 32 Species: Pimepha Method: OECD T	
	Factor (Chronic aquatic icity)	:	1	
12.2 Pe	rsistence and degradabil	lity		
<u>Co</u>	mponents:			
De	xamethasone:			
	odegradability	:	Result: Not readil Biodegradation: 5 Exposure time: 3,	50 %



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Method: OECD Test Guideline 314

### 12.3 Bioaccumulative potential

### Components:

	Dihydrostreptomycin sulpha Bioaccumulation	te:	: Species: Fish Bioconcentration factor (BCF): 3,16	
	Partition coefficient: n- octanol/water	:	log Pow: -7,51	
	Procaine hydrochloride:			
	Partition coefficient: n- octanol/water	:	log Pow: 1,389	
	Dexamethasone:			
	Partition coefficient: n- octanol/water	:	log Pow: 1,83	
12.4	Mobility in soil			
	No data available			

No data available

#### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### **12.6 Endocrine disrupting properties**

### Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

No data available

### **SECTION 13: Disposal considerations**

:

#### 13.1 Waste treatment methods

Product

Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes



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Conta	aminated packaging	Waste codes sl discussion with Do not dispose Empty containe dling site for red	specific, but application specific. hould be assigned by the user, preferably in the waste disposal authorities. of waste into sewer. ers should be taken to an approved waste han- cycling or disposal. specified: Dispose of as unused product.

### **SECTION 14: Transport information**

14.1 UN number or ID number			
ADN	:	UN 3082	
ADR	:	UN 3082	
RID	:	UN 3082	
IMDG	:	UN 3082	
ΙΑΤΑ	:	UN 3082	
14.2 UN proper shipping name			
ADN	:	ENVIRONMENTALLY N.O.S. (Dihydrostreptomycin	Y HAZARDOUS SUBSTANCE, LIQUID, sulphate)
ADR	:	ENVIRONMENTALLY N.O.S. (Dihydrostreptomycin	' HAZARDOUS SUBSTANCE, LIQUID, sulphate)
RID	:	ENVIRONMENTALLY N.O.S. (Dihydrostreptomycin	' HAZARDOUS SUBSTANCE, LIQUID, sulphate)
IMDG	:	ENVIRONMENTALLY N.O.S. (Dihydrostreptomycin	' HAZARDOUS SUBSTANCE, LIQUID, sulphate)
ΙΑΤΑ	:	Environmentally hazardous substance, liquid, n.o.s. (Dihydrostreptomycin sulphate)	
14.3 Transport hazard class(es)			
		Class	Subsidiary risks
ADN	:	9	
ADR	:	9	
RID	:	9	
IMDG	:	9	
ΙΑΤΑ	:	9	
14.4 Packing group			
ADN			

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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		g group cation Code Identification Number	: : :	III M6 90 9	
	Hazard Labels	g group cation Code Identification Number restriction code	:	III M6 90 9 (-)	
		g group cation Code Identification Number	: : :	III M6 90 9	
	IMDG Packing Labels EmS Co		:	III 9 F-A, S-F	
	aircraft)	instruction (cargo instruction (LQ)	:	964 Y964 III Miscellaneous	
	IATA (F Packing ger airc	instruction (LQ)	:	964 Y964 III Miscellaneous	
14.5	Enviro	nmental hazards			
	ADN Environ ADR	mentally hazardous	:	yes	
	Environ	mentally hazardous	:	yes	
		mentally hazardous	:	yes	
	IMDG Marine	pollutant	:	yes	
		Passenger) mentally hazardous	:	yes	
	IATA (C Environ	Cargo) mentally hazardous	:	yes	



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#### 14.6 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.

### 14.7 Maritime transport in bulk according to IMO instruments

Remarks

: Not applicable for product as supplied.

### **SECTION 15: Regulatory information**

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)

: Conditions of restriction for the following entries should be considered: Number on list 3

Number on list 75: If you intend to use this product as tattoo ink, please contact your vendor.

Substance(s) or mixture(s) are listed here according to their appearance in the regulation, irrespective of their use/purpose or the conditions of the restriction. Please refer to the conditions in corresponding Regulation to determine whether an entry is applicable to the placing on the market or not.

		not.
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	:	Not applicable
Regulation (EC) on substances that deplete the ozone layer	:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollu- tants (recast)	:	Not applicable
Regulation (EU) No 649/2012 of the European Parlia- ment and the Council concerning the export and import of dangerous chemicals	:	Not applicable
Seveso III: Directive 2012/18/EU of the European Parlian	nent	and of the Council on

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

		Quantity I	Quantity Z
E1	ENVIRONMENTAL	100 t	200 t
	HAZARDS		

### Other regulations:



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Note the Working Environment Act § 4-1 and § 4-2 on requirements for the employer to protect pregnant employees against discomfort and injury as a result of the work situation and the working environment.

Note the regulation on organization, leadership and participation, chapter 12 on the work of children and young people.

### The components of this product are reported in the following inventories:

AICS	:	not determined
DSL	:	not determined
IECSC	:	not determined

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

### **SECTION 16: Other information**

STOT RE

STOT SE

Other information	:	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 H-Statements		
H301	:	Toxic if swallowed.
H302	:	Harmful if swallowed.
H317	:	May cause an allergic skin reaction.
H318	:	Causes serious eye damage.
H334	:	May cause allergy or asthma symptoms or breathing difficul- ties if inhaled.
H336	:	May cause drowsiness or dizziness.
H360D	:	May damage the unborn child.
H361d	:	Suspected of damaging the unborn child.
H373	:	May cause damage to organs through prolonged or repeated exposure if swallowed.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.
Full text of other abbreviation	ons	
Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Dam.	:	Serious eye damage
Repr.	:	Reproductive toxicity
Resp. Sens.	:	Respiratory sensitisation
Skin Sens.	:	Skin sensitisation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Test-

Specific target organ toxicity - repeated exposure

Specific target organ toxicity - single exposure

:

:



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ing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA -European Chemicals Agency; EC-Number - European Community number; 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; 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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI -Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

### Further information

Sources of key data used to compile the Safety Data Sheet	:	eChem Por	chnical data, data from raw material SDSs, OECD rtal search results and European Chemicals Agen- cha.europa.eu/
Classification of the mixtu	re:		Classification procedure:
Acute Tox. 4	H3	02	Calculation method
Eye Irrit. 2	H3	19	Calculation method
Resp. Sens. 1	H3	34	Calculation method
Skin Sens. 1	H3	17	Calculation method

Skin Sens. 1H317Calculation methodRepr. 2H361dCalculation methodAquatic Acute 1H400Calculation methodAquatic Chronic 1H410Calculation method

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



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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.

NO / EN