



Oxytetracycline (10%) Formulation

Ve 2.	ersion 1	Revision Date: 12/05/2023		95944-00011	Date of last issue: 11/21/2023 Date of first issue: 03/10/2020
SI	Produc	. IDENTIFICATION t name neans of identification	:		

Manufacturer or supplier's details

Company name of supplier Address		Merck & Co., Inc 126 E. Lincoln Avenue	
		Rahway, New Jersey U.S.A. 07065	
Telephone	:	908-740-4000	
Emergency telephone	:	1-908-423-6000	
E-mail address	:	EHSDATASTEWARD@merck.com	
	_		

Recommended use of the chemical and restrictions on useRecommended use:Veterinary productRestrictions on use:Not applicable

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations						
Skin irritation	:	Category 2				
Eye irritation	:	Category 2A				
Skin sensitization	:	Sub-category 1A				
Reproductive toxicity	:	Category 1A				
GHS label elements						
Hazard pictograms	:					
Signal Word	:	Danger				
Hazard Statements	:	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H360D May damage the unborn child.				
Precautionary Statements	:	Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P261 Avoid breathing mist or vapors. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing should not be allowed out of				

according to the Hazardous Products Regulations



Oxytetracycline (10%) Formulation

ersion 1	Revision Date: 12/05/2023	SDS Number: 5495944-00011	Date of last issue: 11/21/2023 Date of first issue: 03/10/2020		
		the workplace. P280 Wear pro and face protec	tective gloves, protective clothing, eye protection tion.		
		 Response: P302 + P352 IF ON SKIN: Wash with plenty of water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308 + P313 IF exposed or concerned: Get medical attention. P333 + P313 If skin irritation or rash occurs: Get medical attention. P337 + P313 If eye irritation persists: Get medical attention. P362 + P364 Take off contaminated clothing and wash it before reuse. Storage: P405 Store locked up. Disposal: P501 Dispose of contents and container to an approved waste disposal plant. 			
Other	^r hazards				

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
Oxytetracycline	No data availa- ble	79-57-2	>= 10 - < 30 *
Ethanolamine	2-Aminoethanol	141-43-5	>= 1 - < 5 *
Sodium hy- droxymethanesulphi- nate	Methanesulfinic acid, 1-hydroxy- , sodium salt (1:1)		>= 0.1 - < 1 *

* Actual concentration or concentration range is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice	:	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	:	If inhaled, remove to fresh air. Get medical attention.
In case of skin contact	:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing

according to the Hazardous Products Regulations



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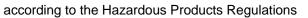
Versi 2.1	on Revision Date 12/05/2023	: SDS Number: 5495944-00011	Date of last issue: 11/21/2023 Date of first issue: 03/10/2020				
I	In case of eye contact	Wash clothir Thoroughly o In case of co for at least 1 If easy to do	 and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse. 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. 				
I	If swallowed	: If swallowed Get medical	 If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water. 				
á	Most important sympto and effects, both acute delayed	oms : Causes skin e and May cause a Causes serio	 Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May damage the unborn child. 				
	Protection of first-aider Notes to physician	s : First Aid resp and use the when the po	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 Nitrogen oxides (NOx)
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- tive equipment and emer- gency procedures	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).
Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g., by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages





Oxytetracycline (10%) Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 11/21/2023
2.1	12/05/2023	5495944-00011	Date of first issue: 03/10/2020
	ds and materials for nment and cleaning up	For large spill containment t can be pumpe container. Clean up rem absorbent. Local or natio disposal of th employed in t determine wh Sections 13 a	inert absorbent material. s, provide diking or other appropriate o keep material from spreading. If diked material ed, store recovered material in appropriate aining materials from spill with suitable nal regulations may apply to releases and s material, as well as those materials and items he cleanup of releases. You will need to ich regulations are applicable. nd 15 of this SDS provide information regarding or national 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. Avoid breathing mist or vapors. 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 assessment Keep container tightly closed. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	 Keep in properly labeled containers. Store locked up. Keep tightly closed. Store in accordance with the particular national regulations.
Materials to avoid	 Do not store with the following product types: Strong oxidizing agents Self-reactive substances and mixtures Organic peroxides Explosives Gases

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
Oxytetracycline	79-57-2	TWA	500 µg/m3 (OEB	Internal



according to the Hazardous Products Regulations

Oxytetracycline (10%) Formulation

	12/05/2023	5495944-000	11 Date of	first issue: 03/10/202	20	
				2)		
		Further inf	ormation: DSEN			
			Wipe limit	100 µg/100 cm ²	lnternal	
Ethar	nolamine	141-43-5	TWA	3 ppm 7.5 mg/m ³	CA AB OE	
			STEL	6 ppm 15 mg/m ³	CA AB OE	
			TWA	3 ppm	CA BC OF	
			STEL	6 ppm	CA BC OF	
			TWAEV	3 ppm 7.5 mg/m ³	CA QC O	
			STEV	6 ppm 15 mg/m ³	CA QC O	
			TWA	3 ppm	ACGIH	
			STEL	6 ppm	ACGIH	
	onal protective equip	ment		not require special co ventilation is not avai		
	iratory protection	: If adequa		ventilation is not avai nonstrates exposures		
	lter type	recomme	nded guidelines,	use respiratory prote l organic vapor type		
	protection aterial	: Chemical	-resistant gloves			
	protection	If the worl mists or a Wear a fa potential f aerosols.	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			
	and body protection ene measures	: If exposur eye flushi working p When usi Contamin workplace Wash cor The effec engineerin appropria industrial	ng systems and s lace. ng do not eat, dri ated work clothin ataminated clothin tive operation of a ng controls, properte degowning and	ikely during typical u safety showers close nk or smoke. g should not be allow ng before re-use. a facility should inclu er personal protective d decontamination pung, medical surveilla	to the wed out of the de review of e equipment, rocedures,	

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

according to the Hazardous Products Regulations



Vers 2.1		Revision Date: 12/05/2023	-	S Number: 5944-00011	Date of last issue: 11/21/2023 Date of first issue: 03/10/2020
	Appeara	nce	:	liquid, Aqueous s	olution
	Color		:	No data available	
	Odor		:	No data available	
	Odor Th	reshold	:	No data available	
	рН		:	No data available	
	Melting p	point/freezing point	:	No data available	
	Initial bo range	iling point and boiling	:	No data available	
	Flash po	int	:	No data available	
	Evapora	tion rate	:	Not applicable	
	Flammal	bility (solid, gas)	:	Not applicable	
	Flammal	bility (liquids)	:	No data available	
	Upper ex flammab	xplosion limit / Upper ility limit	:	No data available	
	Lower ex flammab	xplosion limit / Lower ility limit	:	No data available	
	Vapor pr	essure	:	No data available	
	Relative	vapor density	:	Not applicable	
	Relative	density	:	No data available	
	Density		:	No data available	
	Solubility Wate	/(ies) r solubility	:	No data available	
	Partition octanol/	coefficient: n-	:	Not applicable	
		tion temperature	:	No data available	
	Decomp	osition temperature	:	No data available	
	Viscosity Visco	/ sity, kinematic	:	Not applicable	
	Explosiv	e properties	:	Not explosive	
	Oxidizin	g properties	:	The substance or	mixture is not classified as oxidizing.

according to the Hazardous Products Regulations



Oxytetracycline (10%) Formulation

Version	Revision Date: 12/05/2023	SDS Number:	Date of last issue: 11/21/2023
2.1		5495944-00011	Date of first issue: 03/10/2020
	cular weight cle size	: No data availal : Not applicable	

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 products	:	No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Skin contact Ingestion Eye contact

Acute toxicity

Not classified based on available information.

Product:

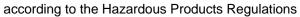
Acute oral toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 20 mg/l Exposure time: 4 h Test atmosphere: vapor Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method
<u>Components:</u>		
Oxytetracycline:		
Acute oral toxicity	:	LD50 (Rat): 4,800 mg/kg
		LD50 (Mouse): 2,240 mg/kg Remarks: Evidence of phototoxicity was observed
Acute inhalation toxicity	:	Remarks: No data available
Acute dermal toxicity	:	Remarks: No data available
Acute toxicity (other routes of	:	LD50 (Rat): 4,840 mg/kg

according to the Hazardous Products Regulations



ersion 1	Revision Date: 12/05/2023	SDS Number: 5495944-00011	Date of last issue: 11/21/2023 Date of first issue: 03/10/2020					
admir	nistration)	Application R	oute: Intramuscular					
			LD50 (Mouse): 3,500 mg/kg Application Route: Subcutaneous					
	nolamine:							
Acute	e oral toxicity	: LD50 (Rat): 1	,089 mg/kg					
Acute inhalation toxicity		Exposure time Test atmosph Method: Expe	Acute toxicity estimate: 11 mg/l Exposure time: 4 h Test atmosphere: vapor Method: Expert judgment Remarks: Based on national or regional regulation.					
Acute	e dermal toxicity	: LD50 (Rabbit	female): 1,018 mg/kg					
Sodiu	um hydroxymethanes	ulphinate:						
Acute	e oral toxicity		2,000 mg/kg D Test Guideline 423 The substance or mixture has no acute oral tox-					
Acute	e dermal toxicity	Method: OEC	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute dermal toxicity					
-	corrosion/irritation es skin irritation.							
<u>Com</u>	ponents:							
Oxyte	etracycline:							
Rema	-	: No data availa	able					
Ethar	nolamine:							
Speci Resu		: Rabbit : Corrosive afte	er 3 minutes to 1 hour of exposure					
Sodiu	um hydroxymethanes	ulphinate:						
Speci Resu		: Rat : No skin irritati	on					
Serio	ous eye damage/eye ir							
	es serious eye irritation							
Caus	ponents:							

Version





Date of last issue: 11/21/2023

Oxytetracycline (10%) Formulation

Revision Date:

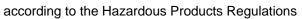
ersion .1	12/05/2023		Number: 5944-00011	Date of first issue: 03/10/2020
	nolamine:			
Spec			Rabbit	
Resu	lt	: 1	rreversible effe	ects on the eye
Sodi	um hydroxymethane	esulphin	ate:	
Spec			Rabbit	
Resu			No eye irritation	
Meth	od	: (DECD Test Gu	ideline 405
Resp	iratory or skin sens	itization		
	sensitization			
May	cause an allergic skin	reaction		
Resp	iratory sensitizatior	n		
-	lassified based on av		formation	
			ionnation.	
	ponents:			
Oxyt	etracycline:			
Test	Туре	: F	luman repeat	insult patch test (HRIPT)
Resu	lt	: 5	Sensitizer	
Etha	nolamine:			
Test	Туре	: 1	Aaximization T	est
Route	es of exposure	: 8	Skin contact	
Spec		: (Guinea pig	
Resu	lt	: r	negative	
Sodi	um hydroxymethane	esulphin	ate:	
Test	Туре	: N	Aaximization T	est
	es of exposure	: 5	Skin contact	
Spec			Guinea pig	
Meth			DECD Test Gu	ideline 406
Resu	lt	: r	negative	
Germ	n cell mutagenicity			
	lassified based on av	ailable in	formation.	
<u>Com</u>	ponents:			
Oxyt	etracycline:			
Gend	otoxicity in vitro	: 1	est Type: Mic	robial mutagenesis assay (Ames te
	,		Result: negativ	
		г	est Type: Moi	use Lymphoma
				ation: Metabolic activation
			Result: positive	
		7	est Type: siste	er chromatid exchange assay
			9 / 19	

SDS Number:

according to the Hazardous Products Regulations



Version 2.1	Revision Date: 12/05/2023	SDS Nu 5495944		Date of last issue: 11/21/2023 Date of first issue: 03/10/2020	
			system: Chir ult: equivocal	nese hamster ovary cells	
			Type: Chron ult: negative	nosomal aberration	
Genc	Genotoxicity in vivo		Type: Micror cies: Mouse type: Bone m ication Route ult: equivocal	narrow e: Oral	
		Spe Appl	Type: in vivo cies: Mouse ication Route ult: negative	assay : Intraperitoneal injection	
	n cell mutagenicity - ssment		Weight of evidence does not support classification as a ger cell mutagen.		
Etha	nolamine:				
	otoxicity in vitro		Type: Bacte	rial reverse mutation assay (AMES)	
		Meth		o mammalian cell gene mutation test est Guideline 476	
			Type: Chron ult: negative	nosome aberration test in vitro	
Genc	otoxicity in vivo	cyto Spec Appl Meth	genetic assay cies: Mouse ication Route	,	
Sodi	um hydroxymethane	sulphinate:			
	otoxicity in vitro	: Test Meth	Type: Bacte	rial reverse mutation assay (AMES) est Guideline 471	
		Meth		o mammalian cell gene mutation test est Guideline 476	
Genc	otoxicity in vivo	cyto Spe Appl	genetic assay cies: Mouse ication Route	nalian erythrocyte micronucleus test (in vivo /) e: Intraperitoneal injection est Guideline 474	



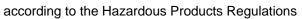


/ersion 2.1	Revision Date: 12/05/2023		0S Number: 95944-00011	Date of last issue: 11/21/2023 Date of first issue: 03/10/2020
			Result: positive	
	cell mutagenicity -	:	Positive result(s) genicity tests.	from in vivo mammalian somatic cell muta-
	nogenicity assified based on availa	blo	information	
	oonents:		information.	
-	etracycline:		Ma	
Speci Applic	es cation Route	÷	Mouse Oral	
	sure time	:	104 weeks	
Resul		:	negative	
Speci	es	:	Rat	
	cation Route	:	Oral	
•	sure time	:	103 weeks	
Resul		:	equivocal	
	et Organs	÷	Adrenal gland, Pi	
Rema	IFKS	:	mans.	or mode of action may not be relevant in hu-
Carcir ment	nogenicity - Assess-	:	Weight of evidend cinogen	ce does not support classification as a car-
-	oductive toxicity Jamage the unborn child	ł.		
-	oonents:			
Oxvte	etracycline:			
•	s on fertility	:	Species: Rat Application Route Fertility: NOAEL: Result: No effects	eneration reproduction toxicity study e: Oral 18 mg/kg body weight s on fertility., No effect on reproduction hificant adverse effects were reported
Effect	s on fetal development	:	Species: Rat Application Route Embryo-fetal toxic	vo-fetal development e: Oral city.: LOAEL: 48 mg/kg body weight intation loss., Skeletal malformations.
			Species: Rat Application Route General Toxicity I Embryo-fetal toxic Result: No terato	Maternal: LOAEL: 1,200 mg/kg body weight city.: NOAEL: 1,500 mg/kg body weight

according to the Hazardous Products Regulations



Versio 2.1		evision Date: 2/05/2023		S Number: 95944-00011	Date of last issue: 11/21/2023 Date of first issue: 03/10/2020
				Species: Mouse Application Route General Toxicity M Embryo-fetal toxic Result: No teratog	Maternal: LOAEL: 1,325 mg/kg body weight ity.: NOAEL: 2,100 mg/kg body weight
				Species: Rabbit Application Route Embryo-fetal toxic	o-fetal development : Intramuscular city.: LOAEL: 41.5 mg/kg body weight ntation loss., No fetal abnormalities.
				Species: Dog Application Route Embryo-fetal toxic	o-fetal development : Intramuscular sity.: LOAEL: 20.75 mg/kg body weight nd visceral variations ., Postimplantation
	Reproduct sessment	ive toxicity - As-	:	Positive evidence human epidemiolo	of adverse effects on development from ogical studies.
E	Ethanolar	nine:			
	Effects on		:	Species: Rat Application Route Method: OECD Te Result: negative	
E	Effects on	fetal development	:	Test Type: Embry Species: Rat Application Route Method: OECD Te Result: negative	
S	Sodium h	ydroxymethanesu	lphi	nate:	
	Effects on		:	Test Type: Combi	
E	Effects on	fetal development	:	Test Type: Embry Species: Rat Application Route Method: OECD Te Result: positive	





rsion	Revision Date: 12/05/2023	SDS Number 5495944-000	
Repro sessm	ductive toxicity - As- nent		dence of adverse effects on development, based or periments.
стот	-single exposure		
Not cla	assified based on avai	lable informatior	۱.
Comp	onents:		
Ethan	olamine:		
	sment	: May caus	e respiratory irritation.
	-repeated exposure assified based on avai	lable informatior).
Comp	onents:		
	olamine:		
	sment		cant health effects observed in animals at concentra 2 mg/l/6h/d or less.
Repea	ated dose toxicity		
<u>Comp</u>	onents:		
Oxyte	tracycline:		
Specie		: Rat	
LOAE		: 198 mg/kg	g
	ation Route	: Oral : 13 Weeks	
	sure time t Organs	: Bone	
Rema			cant adverse effects were reported
Specie	es	: Mouse	
LÖAE		: 7,990 mg	/kg
	ation Route	: Oral	
	sure time t Organs	: 13 Weeks : Bone	
Rema			cant adverse effects were reported
Specie	es	: Dog	
NOAE		: 125 mg/kg	
LOAE		: 250 mg/kg	g
	ation Route sure time	: Oral : 12 Month	s
	t Organs	: Testis	
Rema	-		t toxicity observed in testing
	25	: Rat	
Specie			
NOAE	E	: 40 mg/kg	
NOAE LOAE	E	: 40 mg/kg : 100 mg/kg : Intraperito	

according to the Hazardous Products Regulations



Version 2.1	Revision Date: 12/05/2023		OS Number: 95944-00011	Date of last issue: 11/21/2023 Date of first issue: 03/10/2020			
Tarę	get Organs	:	Kidney				
Eth	anolamine:						
NO/ App Exp	cies AEL lication Route osure time narks	:	Rat > 120 mg/kg Ingestion > 75 Days Based on data	from similar materials			
NO/ App Exp	Species:NOAEL:Application Route:Exposure time:Method:		Rat >= 0.15 mg/l inhalation (dust/mist/fume) 28 Days OECD Test Guideline 412				
	lium hydroxymethanes	sulph					
NO/ App	lication Route osure time	:	Rat 600 mg/kg Ingestion 13 Weeks OECD Test Ge	iideline 408			
Not Exp	<pre>biration toxicity classified based on ava berience with human ex nponents:</pre>						
Оху	tetracycline:						
Inge	estion	:		strointestinal disturbance, tooth discoloration cause birth defects.			
SECTIO	N 12. ECOLOGICAL IN	FOR	MATION				
Eco	toxicity						
Con	nponents:						
Оху	tetracycline:						
Тох	icity to fish	:	Exposure time	latipes (Japanese medaka)): 110 mg/l : 96 h 9 Test Guideline 203			
	icity to daphnia and othe atic invertebrates	er :	Exposure time	a magna (Water flea)): 621 mg/l : 48 h) Test Guideline 202			
			Exposure time	a magna (Water flea)): 669 mg/l : 48 h 9 Test Guideline 202			

according to the Hazardous Products Regulations



Vers 2.1	ion	Revision Date: 12/05/2023	-	95944-00011	Date of last issue: 11/21/2023 Date of first issue: 03/10/2020
	Toxicity plants	r to algae/aquatic	:	EC50 (Anabaena) Exposure time: 72	
				NOEC (Anabaena Exposure time: 72	
	Toxicity	to microorganisms	:	EC50: 17.9 mg/l Exposure time: 3 Test Type: Respir Method: OECD Te	ation inhibition
				NOEC: 0.2 mg/l Exposure time: 3 Test Type: Respir Method: OECD Te	ation inhibition
	Ethano	lamine:			
	Toxicity	r to fish	:	Exposure time: 96	arpio (Carp)): 349 mg/l ∂ h 67/548/EEC, Annex V, C.1.
		to daphnia and other invertebrates	:	Exposure time: 48	agna (Water flea)): 65 mg/l 3 h 67/548/EEC, Annex V, C.2.
	Toxicity plants	to algae/aquatic	:	ErC50 (Pseudokir mg/l Exposure time: 72 Method: OECD Te	
				NOEC (Pseudokir Exposure time: 72 Method: OECD Te	
	Toxicity icity)	to fish (Chronic tox-	:	NOEC (Oryzias la Exposure time: 41 Method: OECD Te	
		to daphnia and other invertebrates (Chron-	:	NOEC (Daphnia r Exposure time: 21	nagna (Water flea)): 0.85 mg/l I d
		to microorganisms	:	EC10 (Pseudomo Exposure time: 30 Method: OECD Te	
	Sodium	n hydroxymethanesu	lphi	nate:	
	Toxicity		:		idus (Golden orfe)): > 10,000 mg/l S h
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): > 100 mg/l 3 h

according to the Hazardous Products Regulations



sion	Revision Date: 12/05/2023		0S Number: 95944-00011	Date of last issue: 11/21/2023 Date of first issue: 03/10/2020
			Method: OECD T	est Guideline 202
Toxicity to algae/aquatic plants		:	ErC50 (Desmode Exposure time: 72 Method: OECD T	smus subspicatus (green algae)): 370 mg, 2 h est Guideline 201
			NOEC (Desmode Exposure time: 72 Method: OECD T	
Toxicity to fish (Chronic tox- : icity)		:	Exposure time: 3	io (zebra fish)): 13.5 mg/l 5 d est Guideline 210
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity):EC10 (Daphnia magna (Water flea)): 8 mg/l Exposure time: 21 d Method: OECD Test Guideline 211Toxicity to microorganisms:NOEC: 10 mg/l Exposure time: 4 hPersistence and degradabilityComponents:		:	Exposure time: 2	1 d
		:		h
	olamine: gradability	:	Result: Readily b Biodegradation: Exposure time: 2 Method: OECD T	> 90 %
Sodiu	m hydroxymethanesu	lphi	inate:	
Biode	gradability	:	Result: Readily b Biodegradation: Exposure time: 28 Method: OECD T	77 %
Bioac	cumulative potential			
<u>Comp</u>	onents:			
Partitio	olamine: on coefficient: n- bl/water	:	log Pow: -2.3 Method: OECD T	est Guideline 107
Sodiu	m hydroxymethanesu	lphi	inate:	
Partitie	on coefficient: n- bl/water	-	log Pow: < 0.3	
Mobil	ity in soil			

according to the Hazardous Products Regulations



Oxytetracycline (10%) Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 11/21/2023	
2.1	12/05/2023	5495944-00011	Date of first issue: 03/10/2020	

Other adverse effects

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. (oxytetracycline)
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. (Oxytetracycline)
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.
Olasa		(Oxytetracycline)
Class	÷	9
Packing group	÷	
Labels EmS Code	:	9
	:	F-A, S-F
Marine pollutant	·	yes

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

Not applicable for product as supplied.

Domestic regulation





Oxytetracycline (10%) Formulation

Version 2.1	Revision Date: 12/05/2023	SDS Number: 5495944-00011	Date of last issue: 11/21/2023 Date of first issue: 03/10/2020
TDG UN number Proper shipping name		: UN 3082 : ENVIRONMI N.O.S.	ENTALLY HAZARDOUS SUBSTANCE, LIQUID,
Class Packing group Labels ERG Code Marine pollutant		(Oxytetracyo : 9 : III : 9 : 171 : yes(Oxytetra	

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

The ingredients of this product are reported in the following inventories:					
AICS	: not	determined			
DSL	: not	determined			
15000		determente e d			
IECSC	: not	determined			

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

ACGIH CA AB OEL	:	USA. ACGIH Threshold Limit Values (TLV) Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
CA BC OEL	:	Canada. British Columbia OEL
CA QC OEL	:	Québec. Regulation respecting occupational health and safe- ty, Schedule 1, Part 1: Permissible exposure values for air- borne contaminants
ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
CA AB OEL / TWA	:	8-hour Occupational exposure limit
CA AB OEL / STEL	:	15-minute occupational exposure limit
CA BC OEL / TWA	:	8-hour time weighted average
CA BC OEL / STEL	:	short-term exposure limit
CA QC OEL / TWAEV	:	Time-weighted average exposure value
CA QC OEL / STEV	:	Short-term exposure value

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;

SAFETY DATA SHEET according to the Hazardous Products Regulations



Oxytetracycline (10%) Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 11/21/2023
2.1	12/05/2023	5495944-00011	Date of first issue: 03/10/2020

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

Sources of key data used to compile the Material Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/
Revision Date Date format	:	12/05/2023 mm/dd/yyyy

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

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