

Version 6.0	Revision Date: 28.09.2024		S Number: 1600-00022	Date of last issue: 06.07.2024 Date of first issue: 12.05.2016			
SECTION	SECTION 1. IDENTIFICATION						
Prod	Product identifier		Oxytetracycline	Formulation			
Manufacturer or supplier's deta							
Com	bany	•	MSD				
Address		:	Rua Coronel Bento Soares, 530 Cruzeiro - Sao Paulo - Brazil CEP 12730-340				
Telep	phone	:	908-740-4000				
Emer	gency telephone	:	1-908-423-6000				
E-ma	il address	:	EHSDATASTEWARD@msd.com				
Reco	mmended use of the	chem	ical and restriction	ons on use			
Recommended use : Restrictions on use :		:	Veterinary produ Not applicable	ict			

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification in accordance with ABNT NBR 14725 Standard

Aerosols	:	Category 2
Eye irritation	:	Category 2A
Skin sensitization	:	Category 1
Reproductive toxicity	:	Category 1A
Specific target organ toxicity - single exposure	:	Category 3
Short-term (acute) aquatic hazard	:	Category 1
Long-term (chronic) aquatic hazard	:	Category 1

GHS label elements in accordance with ABNT NBR 14725 Standard

Hazard pictograms	
Signal Word	: Danger



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Haza	H317 May cause an allergic skin H319 Causes serious eye irritatio H336 May cause drowsiness or o H360D May damage the unborn		sed container: May burst if heated. Ise an allergic skin reaction. serious eye irritation. Ise drowsiness or dizziness.
Preca	autionary Statements	P210 Keep aw and other ignit P211 Do not s P251 Do not p P261 Avoid br P264 Wash sk P271 Use only P272 Contami the workplace P273 Avoid re P280 Wear pro	tin thoroughly after handling. y outdoors or in a well-ventilated area. nated work clothing should not be allowed out of lease to the environment. otective gloves/ protective clothing/ eye protec-
		P304 + P340 - and keep com doctor if you fe P305 + P351 - for several mir easy to do. Co P308 + P313 I attention. P333 + P313 I vice/ attention	F ON SKIN: Wash with plenty of water. + P312 IF INHALED: Remove person to fresh air fortable for breathing. Call a POISON CENTER/ eel unwell. + P338 IF IN EYES: Rinse cautiously with water nutes. Remove contact lenses, if present and ontinue rinsing. F exposed or concerned: Get medical advice/ f skin irritation or rash occurs: Get medical ad- f eye irritation persists: Get medical advice/ at-
			cked up. Protect from sunlight. Do not expose to tempera- ng 50 °C/ 122 °F.

Other hazards which do not result in classification

May displace oxygen and cause rapid suffocation.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

: Mixture

Components			
Chemical name	CAS-No.	Classification	Concentration (% w/w)
Butane	106-97-8	Flam. Gas, 1A	>= 20 -< 30



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			Press. Gas, Liquefied gas STOT SE, 3	
Propa	an-2-ol	67-63-0	Flam. Liq., 2 Eye Irrit., 2A STOT SE, 3	>= 10 -< 20
lsobu	itane	75-28-5	Flam. Gas, 1A Press. Gas, Liquefied gas STOT SE, 3	>= 10 -< 20
Propa	ane	74-98-6	Flam. Gas, 1A Press. Gas, Liquefied gas STOT SE, 3	>= 10 -< 20
Oxyte	etracycline	79-57-2	Skin Sens., 1A Repr., 1A Aquatic Acute, 1 Aquatic Chronic, 1	>= 5 -< 10

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. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
In case of skin contact	:	In case of contact, immediately flush skin with 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.
Most important symptoms and effects, both acute and delayed	:	Gastrointestinal disturbance May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness. May damage the unborn child.
Protection of first-aiders	:	Gas reduces oxygen available for breathing. First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment

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	Notes t	o physician	:	when the potential for exposure exists (see section 8). Treat symptomatically and supportively.		
SEC	TION 5	. FIRE-FIGHTING ME	ASL	IRES		
	Suitable extinguishing media		:	Water spray Alcohol-resistant f Carbon dioxide (C Dry chemical		
	Unsuita media	able extinguishing	:	None known.		
	Specific fighting	c hazards during fire	:	Vapors may form Exposure to comb	ble over considerable distance. explosive mixtures with air. pustion products may be a hazard to health. rises there is danger of the vessels bursting apor pressure.	
	Hazard ucts	ous combustion prod-	:	Carbon oxides		
	Specific ods	c extinguishing meth-	:	cumstances and t Use water spray t	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do	
		l protective equipment fighters	:		e, wear self-contained breathing apparatus. rective equipment.	
SEC	TION 6	. ACCIDENTAL RELE	AS	E MEASURES		

Personal precautions, protective equipment and emergency procedures Evacuate personnel to safe areas. Remove all sources of ignition. Ventilate the area. 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 cannot be contained.
Methods and materials for containment and cleaning up	:	Non-sparking tools should be used. Soak up with inert absorbent material.



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		containment to k can be pumped, container. Clean up remain absorbent. Local or national disposal of this n employed in the determine which Sections 13 and	provide diking or other appropriate eep material from spreading. If diked material store recovered material in appropriate ing materials from spill with suitable regulations may apply to releases and naterial, as well as those materials and items cleanup of releases. You will need to regulations are applicable. 15 of this SDS provide information regarding ational 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. If advised by assessment of the local exposure potential, use only in an area equipped with explosion-proof exhaust ventilation. 	
Advice on safe handling	 Do not get on skin or clothing. Avoid breathing spray. 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. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment. Do not spray on an open flame or other ignition source. 	
Hygiene measures	 If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before re-use. 	9
Conditions for safe storage	 Store locked up. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. Do not pierce or burn, even after use. Keep cool. Protect from sunlight. 	
Materials to avoid	Do not store with the following product types: Self-reactive substances and mixtures Organic peroxides Oxidizing agents	



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		5	ds ls ostances and mixtures I mixtures which in contact with water emit

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type	Control parame- ters / Permissible	Basis					
		(Form of							
		exposure)	concentration						
Butane	106-97-8	LT	470 ppm	BR OEL					
			1.090 mg/m ³						
	Further infor	mation: Degree of	of harmfulness: mediu	m					
		STEL	1.000 ppm	ACGIH					
Propan-2-ol	67-63-0	LT	310 ppm	BR OEL					
•			765 mg/m ³						
	Further infor	Further information: Absorption through the skin, Degree of harm-							
	fulness: med	fulness: medium							
		TWA	200 ppm	ACGIH					
		STEL	400 ppm	ACGIH					
Isobutane	75-28-5	STEL	1.000 ppm	ACGIH					
Oxytetracycline	79-57-2	TWA	500 µg/m3 (OEB	Internal					
			2)						
	Further infor	mation: DSEN		•					
		Wipe limit	100 µg/100 cm ²	Internal					

Ingredients with workplace control parameters

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sam- pling time	Permissible concentra- tion	Basis
Propan-2-ol	67-63-0	Acetone	Urine	End of workday at end of work- week	40 mg/l	BR BEI
		Acetone	Urine	End of shift at end of work- week	40 mg/l	ACGIH BEI

Personal protective equipment

Respiratory protection	:	If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.
Filter type Hand protection	:	Self-contained breathing apparatus



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	emarks and body protection	:	the selection of ha	e product is flammable, which may impact and protection. ashed after contact.
SECTION	9. PHYSICAL AND CHI	EMI		3
Phys	ical state	:	Aerosol containir	ng a liquefied gas
Color		:	blue	
Odor		:	solvent	
Odor	Threshold	:	No data available	9
рН		:	No data available	9
Melti	ng point/freezing point	:	No data available	9
Initial range	l boiling point and boiling e	:	No data available	
Flash	n point	:	-80 °C	
Evap	oration rate	:	No data available	9
Flam	mability (solid, gas)	:	Flammable aeros	sol.
Flam	mability (liquids)	:	Not applicable	
	er explosion limit / Upper nability limit	:	9,5 %(V)	
	er explosion limit / Lower nability limit	:	1,8 %(V)	
Vapo	r pressure	:	No data available	9
Relat	ive vapor density	:	No data available	9
Relat	ive density	:	No data available	2
Dens	ity	:	0,92 g/cm ³	
	bility(ies) /ater solubility	:	No data available	9
	tion coefficient: n-	:	No data available	9
	nol/water gnition temperature	:	No data available	9
Deco	mposition temperature	:	No data available	9
Visco	osity			



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	Viscosity, kinematic	:	No data available	e
E	Explosive properties	:	Not explosive	
C	Dxidizing properties	:	The substance o	r mixture is not classified as oxidizing.
•	Particle characteristics Particle size	:	No data available	9
SECT	ION 10. STABILITY AND R	EAC	ΤΙVITY	
C F	Reactivity Chemical stability Possibility of hazardous reac- ions	:	Stable under nor Flammable aero Vapors may form If the temperatur due to the high v	sol. n explosive mixture with air. e rises there is danger of the vessels bursting
Ir	Conditions to avoid ncompatible materials lazardous decomposition	: : :	Heat, flames and Oxidizing agents No hazardous de	

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:

Butane:

products

Dulane.		
Acute inhalation toxicity	:	LC50 (Rat): 570000 ppm Exposure time: 15 min Test atmosphere: gas Remarks: Based on data from similar materials
Propan-2-ol:		
Acute oral toxicity	:	LD50 (Rat): > 5.000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 25 mg/l Exposure time: 6 h Test atmosphere: vapor
Acute dermal toxicity	:	LD50 (Rabbit): > 5.000 mg/kg
Isobutane:		
Acute inhalation toxicity	:	LC50 (Rat): 570000 ppm
		8/21



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			Exposure time: 15 Test atmosphere:	
Prop	ane:			
Acute	e inhalation toxicity	:	LC50 (Rat): > 800 Exposure time: 15 Test atmosphere:	5 min
Oxyte	etracycline:			
Acute	e oral toxicity	:	LD50 (Rat): 4.800	mg/kg
			LD50 (Mouse): 2.2 Remarks: Evidenc	240 mg/kg ce of phototoxicity was observed
Acute	e inhalation toxicity	:	Remarks: No data	a available
Acute	e dermal toxicity	:	Remarks: No data	a available
Acute admir	e toxicity (other routes of nistration)	:	LD50 (Rat): 4.840 Application Route	
			LD50 (Mouse): 3.8 Application Route	
-	corrosion/irritation			
	lassified based on availa	ble	information.	
	ponents:			
Prop Spec Resu		:	Rabbit No skin irritation	
Oxyte	etracycline:			
Rema	•	:	No data available	
	ous eye damage/eye irrine es serious eye irritation.	tati	on	
Com	ponents:			
Prop	an-2-ol:			
Spec Resu		:	Rabbit Irritation to eyes, r	reversing within 21 days
Oxyte Rema	etracycline:		No data available	
Invento		•		



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Respir	ratory or skin sens	itization	
	ensitization ause an allergic skin	reaction.	
-	ratory sensitization		
	assified based on av		ation.
Comp	onents:		
Propa			
Test T	ype		er Test
Routes	s of exposure	: Skin c : Guine	contact
Metho			D Test Guideline 406
Result		: negati	
Oxyte	tracycline:		
Test T	•	: Huma	n repeat insult patch test (HRIPT)
Result		: Sensit	
<u>Comp</u>	onents:	ailable informa	ation.
Butan		: Test T Metho	ype: Bacterial reverse mutation assay (AMES) d: OECD Test Guideline 471
Butan	e:	: Test T Metho Result Test T Metho	ype: Bacterial reverse mutation assay (AMES)
Butan d Genoto	e:	: Test T Metho Result Test T Metho Result : Test T cytoge Specie Applic Metho Result	Type: Bacterial reverse mutation assay (AMES) od: OECD Test Guideline 471 t: negative Type: Chromosome aberration test in vitro od: OECD Test Guideline 473
Butano Genoto	e: oxicity in vitro	: Test T Metho Result Test T Metho Result : Test T cytoge Specie Applic Metho Result	Type: Bacterial reverse mutation assay (AMES) bd: OECD Test Guideline 471 t: negative Type: Chromosome aberration test in vitro bd: OECD Test Guideline 473 t: negative Type: Mammalian erythrocyte micronucleus test (in v enetic assay) es: Rat sation Route: inhalation (gas) bd: OECD Test Guideline 474 t: negative
Butan Genoto Genoto	e: oxicity in vitro	 Test T Metho Result Test T Metho Result Test T cytoge Specie Applic Metho Result Result 	Type: Bacterial reverse mutation assay (AMES) bd: OECD Test Guideline 471 t: negative Type: Chromosome aberration test in vitro bd: OECD Test Guideline 473 t: negative Type: Mammalian erythrocyte micronucleus test (in v enetic assay) es: Rat sation Route: inhalation (gas) bd: OECD Test Guideline 474 t: negative
Butan Genoto Genoto	e: oxicity in vitro oxicity in vivo n-2-ol:	 Test T Metho Result Test T Metho Result Test T cytoge Specie Applic Metho Result Test T Result 	Type: Bacterial reverse mutation assay (AMES) ad: OECD Test Guideline 471 t: negative Type: Chromosome aberration test in vitro ad: OECD Test Guideline 473 t: negative Type: Mammalian erythrocyte micronucleus test (in venetic assay) es: Rat ration Route: inhalation (gas) ad: OECD Test Guideline 474 t: negative rks: Based on data from similar materials Type: Bacterial reverse mutation assay (AMES)



Version 6.0	Revision Date: 28.09.2024	SDS Number 671600-0002	
		Result: ne	egative
Isobu	utane:		
Geno	otoxicity in vitro	Method: (Result: ne	e: Chromosome aberration test in vitro DECD Test Guideline 473 egative Based on data from similar materials
		Result: ne	e: Bacterial reverse mutation assay (AMES) egative Based on data from similar materials
Geno	otoxicity in vivo	cytogene Species: Applicatio Method: 0 Result: ne	Rat n Route: inhalation (gas) DECD Test Guideline 474
Prop	ane:		
	otoxicity in vitro	Result: ne	e: Bacterial reverse mutation assay (AMES) egative Based on data from similar materials
Geno	otoxicity in vivo	cytogene Species: Applicatio Method: 0 Result: ne	Rat n Route: inhalation (gas) DECD Test Guideline 474
II Ovvt	etracycline:		
	otoxicity in vitro	: Test Type Result: ne	e: Microbial mutagenesis assay (Ames test) egative
			e: Mouse Lymphoma activation: Metabolic activation psitive
			e: sister chromatid exchange assay em: Chinese hamster ovary cells quivocal
		Test Type Result: ne	e: Chromosomal aberration egative
Geno	otoxicity in vivo	Species: Cell type:	Bone marrow n Route: Oral



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	cell mutagenicity -	:	Result: negative	assay : Intraperitoneal injection ee does not support classification as a germ
Carci Not cl	nogenicity assified based on availa ponents:	ıble	Ū	
Specie Applic	cation Route sure time od	:	Rat inhalation (vapor) 104 weeks OECD Test Guide negative	eline 451
Specie Applic	ation Route sure time	:	Mouse Oral 104 weeks negative	
Expos Resul	cation Route sure time t t Organs	:	Rat Oral 103 weeks equivocal Adrenal gland, Pit The mechanism of mans.	uitary gland r mode of action may not be relevant in hu-
Carcir ment	nogenicity - Assess-	:	Weight of evidenc cinogen	e does not support classification as a car-
May d <u>Comp</u>	oductive toxicity lamage the unborn child ponents:	l.		
Butan Effect	ie: s on fertility	:		
Effect	s on fetal development	:		ned repeated dose toxicity study with the elopmental toxicity screening test



ersion .0	Revision Date: 28.09.2024		9S Number: 1600-00022	Date of last issue: 06.07.2024 Date of first issue: 12.05.2016
			Application Route Method: OECD T Result: negative	
II Duona				
	an-2-ol: s on fertility	:	Test Type: Two-g Species: Rat Application Route Result: negative	eneration reproduction toxicity study
Effect	s on fetal development	:	Test Type: Embry Species: Rat Application Route Result: negative	vo-fetal development
II Isabu	tono			
Isobu Effect	s on fertility	:		
Effect	s on fetal development	:	reproduction/deve Species: Rat Application Route	ined repeated dose toxicity study with the elopmental toxicity screening test :: inhalation (gas) est Guideline 422
Propa	ano:			
	s on fertility	:	reproduction/deve Species: Rat Application Route	ined repeated dose toxicity study with the elopmental toxicity screening test :: inhalation (gas) est Guideline 422
Effect	s on fetal development	:		
II Oxvte	etracycline:			
	s on fertility	:	Species: Rat Application Route Fertility: NOAEL: Result: No effects	eneration reproduction toxicity study : Oral 18 mg/kg body weight s on fertility., No effect on reproduction ca- cant adverse effects were reported

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Effec	Effects on fetal development		Species: Rat Application Route Embryo-fetal toxic Result: Postimpla Test Type: Embry Species: Rat	city.: LOAEL: 48 mg/kg body weight ntation loss., Skeletal malformations. ro-fetal development
			Embryo-fetal toxic Result: No teratog	Maternal: LOAEL: 1.200 mg/kg body weight sity.: NOAEL: 1.500 mg/kg body weight
			Species: Mouse Application Route General Toxicity M Embryo-fetal toxic Result: No teratog	Maternal: LOAEL: 1.325 mg/kg body weight city.: NOAEL: 2.100 mg/kg body weight
			Species: Rabbit Application Route Embryo-fetal toxic	ro-fetal development :: Intramuscular city.: LOAEL: 41,5 mg/kg body weight ntation loss., No fetal abnormalities.
			Species: Dog Application Route Embryo-fetal toxic	ro-fetal development : Intramuscular city.: LOAEL: 20,75 mg/kg body weight nd visceral variations ., Postimplantation
Repr sessi	oductive toxicity - As- ment	:	Positive evidence human epidemiol	of adverse effects on development from ogical studies.
	F-single exposure cause drowsiness or dizz	zine	SS.	
<u>Com</u>	ponents:			
Buta	ne: ssment		May cause drowe	iness or dizziness.
Rem		:		om similar materials
-	an-2-ol: ssment	:	May cause drows	iness or dizziness.
	u tane: ssment	:	May cause drows	iness or dizziness.



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Prop Asse	ane: ssment	: May cause dro	owsiness or dizziness.
Not c	T-repeated exposure classified based on ava	ailable information.	
-	eated dose toxicity		
<u>Com</u>	ponents:		
	ies EL cation Route sure time	: Rat : >= 9000 ppm : inhalation (gas : 6 Weeks : OECD Test Gi	
Prop	an-2-ol:		
		: Rat : 12,5 mg/l : inhalation (vap : 104 Weeks	por)
Isobu	utane:		
	EL cation Route sure time	: Rat : >= 9000 ppm : inhalation (gas : 6 Weeks : OECD Test G	
Prop	ane:		
	EL cation Route sure time	: Rat : 7,214 mg/l : inhalation (gas : 6 Weeks : OECD Test G	
Oxyt	etracycline:		
Spec LOAE Appli Expo	ies EL cation Route sure time et Organs	: Rat : 198 mg/kg : Oral : 13 Weeks : Bone : No significant	adverse effects were reported
Expo		: Mouse : 7.990 mg/kg : Oral : 13 Weeks : Bone	



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I	Remarks :		:	No significant adv	verse effects were reported		
	Species:NOAEL:LOAEL:Application Route:Exposure time:Target Organs:Remarks:		Dog 125 mg/kg 250 mg/kg Oral 12 Months Testis Significant toxicity observed in testing				
	Species:NOAEL:LOAEL:Application Route:Exposure time:Target Organs:		Rat 40 mg/kg 100 mg/kg Intraperitoneal 14 Days Kidney				
	-	tion toxicity					
		ssified based on availa					
	-	ence with human exp	osi	lre			
		onents:					
	Ingesti	r acycline: on	:		rointestinal disturbance, tooth discoloration ause birth defects.		
SEC	CTION 1	2. ECOLOGICAL INF	ORI	MATION			
	Ecoto	kicity					
	Compo	onents:					
	Propa	n -2-ol :					
	Toxicity	y to fish	:	LC50 (Pimephale Exposure time: 9	es promelas (fathead minnow)): 9.640 mg/l 6 h		
		y to daphnia and other invertebrates	d other : EC50 (Daphnia magna (Water flea)): > 10.000 mg/l Exposure time: 24 h				

Oxytetracycline:

Toxicity to microorganisms

Toxicity to fish	:	LC50 (Oryzias latipes (Japanese medaka)): 110 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 621 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
		EC50 (Daphnia magna (Water flea)): 669 mg/l

Exposure time: 16 h

: EC50 (Pseudomonas putida): > 1.050 mg/l



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			Exposure time: 48 Method: OECD T		
Toxic plant	city to algae/aquatic ts	:	EC50 (Anabaena) Exposure time: 72		
			NOEC (Anabaena Exposure time: 72		
	actor (Acute aquatic tox-	:	10		
	actor (Chronic aquatic	:	10		
toxic Toxic	ity) city to microorganisms	:	EC50: 17,9 mg/l Exposure time: 3 Test Type: Respir Method: OECD T	ration inhibition	
			NOEC: 0,2 mg/l Exposure time: 3 Test Type: Respir Method: OECD T	ration inhibition	
Pers	istence and degradabil	ity			
<u>Com</u>	ponents:				
Buta	ine:				
Biode	egradability	:	Result: Readily bi Remarks: Based	odegradable. on data from similar materials	
	oan-2-ol:				
Biode	egradability	:	Result: rapidly de	gradable	
BOD	/COD	:	BOD: 1,19 (BOD COD: 2,23 BOD/COD: 53 %	5)	
	utane:				
Biode	egradability	:	Result: Readily bi Remarks: Based	odegradable. on data from similar materials	
	oane:				
Biode	egradability	:	Result: Readily bi Remarks: Based	odegradable. on data from similar materials	
Bioa	Bioaccumulative potential				
Com	ponents:				
Buta	ine:				



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	on coefficient: n- ol/water	: log Pow: 2,89	
Propa	an-2-ol:		
Partition coefficient: n- octanol/water		: log Pow: 0,05	
Isobutane:			
Partition coefficient: n- octanol/water		: log Pow: 2,8	
Propa	ane:		
	on coefficient: n- ol/water	: log Pow: 2,36	
Mobil	ity in soil		
No da	ta available		
	adverse effects ta 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	:	Please ensure aerosol cans are sprayed completely empty (including propellant) Empty containers should be taken to an approved waste handling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG UN number Proper shipping name Class Packing group Labels Environmentally hazardous	: : : : : : : : : : : : : : : : : : : :	UN 1950 AEROSOLS 2.1 Not assigned by regulation 2.1 yes
IATA-DGR UN/ID No. Proper shipping name Class Packing group Labels Packing instruction (cargo		UN 1950 Aerosols, flammable 2.1 Not assigned by regulation Flammable Gas 203



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aircraf Packir ger air	ng instruction (passen-	:	203	
Class Packir Labels EmS (mber r shipping name ng group	: : : : : : : : : : : : : : : : : : : :	UN 1950 AEROSOLS (Oxytetracycline) 2.1 Not assigned by r 2.1 F-D, S-U yes	egulation

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

Not applicable for product as supplied.

Domestic regulation

7		
UN number	:	UN 1950
Proper shipping name	:	AEROSOLS
Class	:	2.1
Packing group	:	Not assigned by regulation
Labels	:	2.1

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

Safety, health and environ mixture	nental regulations/legislation specific for the substance or				
National List of Carcinogenic Agents for Humans - : Not applicable (LINACH)					
Brazil. List of chemicals cont Police	Brazil. List of chemicals controlled by the Federal : Propan-2-ol Police				
The ingredients of this pro	duct are reported in the following inventories:				
AICS	: not determined				
DSL	: not determined				
IECSC	: not determined				

SECTION 16. OTHER INFORMATION

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



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Further 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 other abbreviations

ACGIH ACGIH BEI BR BEI	:	USA. ACGIH Threshold Limit Values (TLV) ACGIH - Biological Exposure Indices (BEI) Brazil. NR7. Parameters for Biological Control of Occupational Exposure to Some Chemical Agents
BR OEL	:	Brazil. NR 15 - Unhealthy activities and operations
ACGIH / TWA ACGIH / STEL BR OEL / LT	:	8-hour, time-weighted average Short-term exposure limit Up to 48 hours /week

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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided



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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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