

Version 6.0	Revision Date: 28.09.2024		S Number: 56026-00016	Date of last issue: 30.09.2023 Date of first issue: 17.04.2019		
SECTION	1. IDENTIFICATION					
Produ	uct identifier	:	Oxytetracycline	/ Diclofenac Formulation		
Manu	ifacturer or supplier's	s deta	ils			
Comp	bany	:	MSD			
Address		:	Rua Coronel Bento Soares, 530 Cruzeiro - Sao Paulo - Brazil CEP 12730-340			
Telep	hone	:	908-740-4000			
Emer	gency telephone	:	1-908-423-6000			
E-ma	il address	:	EHSDATASTEV	VARD@msd.com		
Reco	mmended use of the	chem	ical and restriction	ons on use		
	mmended use ictions on use	:	Veterinary produ Not applicable	ıct		

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification in accordance with ABNT NBR 14725 Standard						
Skin irritation	:	Category 3				
Eye irritation	:	Category 2B				
Skin sensitization	:	Category 1				
Reproductive toxicity	:	Category 1A				
Specific target organ toxicity - repeated exposure	:	Category 2 (Gastrointestinal tract, Blood, lymphatic system, Liver, Prostate)				
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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Hazard Statements		H317 May cau H320 Causes H360FD May c H373 May cau Blood, lympha repeated expo	damage fertility. May damage the unborn child. se damage to organs (Gastrointestinal tract, tic system, Liver, Prostate) through prolonged or
Precautionary Statements		P264 Wash sk P272 Contami the workplace. P273 Avoid re	lease to the environment. otective gloves/ protective clothing/ eye protec-
		 Response: P302 + P352 IF ON SKIN: Wash with plenty of water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with we for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308 + P313 IF exposed or concerned: Get medical advice attention. P333 + P313 If skin irritation or rash occurs: Get medical a vice/ attention. P337 + P313 If eye irritation persists: Get medical advice/ tention. P391 Collect spillage. 	
		Storage: P405 Store loc	
	r hazards which do no known	ot result in classifica	tion

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components			
Chemical name	CAS-No.	Classification	Concentration (% w/w)
2-Pyrrolidone	616-45-5	Eye Irrit., 2B Repr., 1B	>= 50 -< 70
Oxytetracycline	79-57-2	Skin Sens., 1A Repr., 1A Aquatic Acute, 1 Aquatic Chronic, 1	>= 20 -< 25
Magnesium oxide	1309-48-4		>= 1 -< 5
Sodium [2-[(2,6-	15307-79-6	Acute Tox. (Oral), 3	>= 1 -< 2,5
dichloro-		Skin Irrit., 2	



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pheny	yl)amino]phenyl]acetate		Eye Irrit., 2B Repr., 2 STOT RE, (Gastroin- testinal tract, Blood, lymphatic system, Liver, Prostate), 1 Aquatic Acute, 3 Aquatic Chronic, 2
Sodiu	im hydroxymethanesul-	6035-47-8	Muta., 2 >= 0,1 -< 1
phina	te		Repr., 2

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. 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	:	Causes mild skin irritation. May cause an allergic skin reaction. Causes eye irritation. May damage fertility. May damage the unborn child.
Protection of first-aiders	:	May cause damage to organs through prolonged or repeated exposure. 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).
Notes to physician	:	Treat symptomatically 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.



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Spec fightir	ific hazards during fire	:	Exposure to comb	pustion products may be a hazard to health.		
Haza ucts	rdous combustion prod-	:	: Carbon oxides Chlorine compounds Nitrogen oxides (NOx) Sodium oxides			
Spec ods	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 RELE	ASI	EMEASURES			
tive e	onal precautions, protec- quipment and emer- y procedures	:	Follow safe handl	ective equipment. ing advice (see section 7) and personal ent recommendations (see section 8).		
Envir	onmental 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 containmen oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillage cannot be contained. 			
	ods and materials for inment and cleaning up	:	For large spills, pr containment to ke	t absorbent material. rovide diking or other appropriate ep material from spreading. If diked material store recovered material in appropriate		

Clean up remaining materials from spill with suitable absorbent.

Local or national regulations may apply to releases and disposal 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.

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.

SAFETY DATA SHEET



Oxytetracycline / Diclofenac Formulation

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Advi	ce on safe handling	Do not breat Do not swall Do not get ir Wash skin th Handle in ac practice, bas assessment Keep contai Do not eat, o	n eyes. horoughly after handling. cordance with good industrial hygiene and safety sed on the results of the workplace exposure her tightly closed. drink or smoke when using this product. o prevent spills, waste and minimize release to the
Hygi	ene measures	flushing syst place. When using Contaminate workplace. Wash conta The effective engineering appropriate industrial hy	to chemical is likely during typical use, provide eye teems and safety showers close to the working do not eat, drink or smoke. ed work clothing should not be allowed out of the minated clothing before re-use. e operation of a facility should include review of controls, proper personal protective equipment, degowning and decontamination procedures, giene monitoring, medical surveillance and the histrative controls.
Con	ditions for safe storage	Store locked Keep tightly	•
Mate	erials to avoid	: Do not store Strong oxidi	with the following product types: zing agents substances and mixtures

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Oxytetracycline	79-57-2	TWA	500 µg/m3 (OEB 2)	Internal
	Further informa	ation: DSEN		
		Wipe limit	100 µg/100 cm ²	Internal
Magnesium oxide	1309-48-4	TWA (Inhalable particulate matter)	10 mg/m ³	ACGIH
Sodium [2-[(2,6- dichloro- phenyl)amino]phenyl]acetate	15307-79-6	TWA	100 µg/m3 (OEB 2)	Internal
	Further information: Skin			

SAFETY DATA SHEET

Flammability (liquids)

flammability limit

flammability limit

Upper explosion limit / Upper :

Lower explosion limit / Lower :



Oxytetracycline / Diclofenac Formulation

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Engineering measures			Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., drip- less quick connections). All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Laboratory operations do not require special containment.				
P	Personal protective equipme	ent					
	Respiratory protection Filter type Hand protection		If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection. Combined particulates and organic vapor type				
	Material	·	Chemical-resistant	gioves			
E	Eye protection	:	If the work environm mists or aerosols, w Wear a faceshield of	s with side shields or goggles. nent or activity involves dusty conditions, year the appropriate goggles. or other full face protection if there is a contact to the face with dusts, mists, or			
S	Skin and body protection	:	Work uniform or lab	oratory coat.			
SECT	ION 9. PHYSICAL AND CHE	EMI	CAL PROPERTIES				
F	Physical state	:	liquid				
C	Color	:	brown, Greenish ye	ellow			
C	Ddor	:	characteristic				
C	Ddor Threshold	:	No data available				
р	н	:	No data available				
Ν	felting point/freezing point	:	-33 °C				
	nitial boiling point and boiling ange	:	100,5 °C				
F	lash point	:	No data available				
E	evaporation rate	:	No data available				
F	lammability (solid, gas)	:	Not applicable				

: No data available

No data available

No data available



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١	Vapor p	pressure	:	No data available	9
F	Relative	e vapor density	:	No data available	9
F	Relative	e density	:	1,15 - 1,19 (25 °C	C)
[Density		:	No data available	9
ŝ	Solubili Wate	ty(ies) er solubility	:	soluble	
		n coefficient: n-	:	Not applicable	
	octanol/ Autoign	water ition temperature	:	No data available	9
[Decom	position temperature	:	No data available	9
١	Viscosit Visc	y osity, dynamic	:	50,3 - 50,7 mPa.	s (25 °C)
	Visc	osity, kinematic	:	No data available)
E	Explosi	ve properties	:	Not explosive	
(Oxidizir	ng properties	:	The substance o	r mixture is not classified as oxidizing.
Γ	Molecul	ar weight	:	No data available	9
	Particle Particle	characteristics size	:	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	:	No hazardous decomposition products are known.
products		

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:



ersion D	Revision Date: 28.09.2024		9S Number: 56026-00016	Date of last issue: 30.09.2023 Date of first issue: 17.04.2019				
Acute oral toxicity		:	: Acute toxicity estimate: > 5.000 mg/kg Method: Calculation method					
<u>Comp</u>	onents:							
2-Pyrr	olidone:							
-	oral toxicity	:	LD50 (Rat): > 2.00 Method: OECD To Assessment: The icity					
Acute	Acute dermal toxicity		LD50 (Rabbit): > 2.000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute dermal toxicity					
Oxyte	tracycline:							
Acute	oral toxicity	:	LD50 (Rat): 4.800	mg/kg				
			LD50 (Mouse): 2.3 Remarks: Evidend	240 mg/kg ce of phototoxicity was observed				
Acute	inhalation toxicity	: Remarks: No data available		a available				
Acute	dermal toxicity	:	Remarks: No data	a available				
	toxicity (other routes of istration)	:	LD50 (Rat): 4.840 Application Route					
			LD50 (Mouse): 3.4 Application Route					
II Magne	esium oxide:							
	oral toxicity	:	icity	00 mg/kg est Guideline 423 substance or mixture has no acute oral tox- on data from similar materials				
Acute	inhalation toxicity	:	LC50 (Rat): > 2,1 Exposure time: 4 Test atmosphere: Method: OECD To Remarks: Based of	h dust/mist				
Sodiu	m [2-[(2,6-dichlorophe	nyl)amino]phenyl]ac	etate:				
Acute	oral toxicity	:	LD50 (Rat): 55 - 2	240 mg/kg				
			LD50 (Mouse): 17	′0 - 389 mg/kg				
	toxicity (other routes of istration)	:	LD50 (Rat): 97 - 1 Application Route					



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				: 92 - 147 mg/kg ute: Intravenous
II Sodi	um hydroxymethanes	ulnhing		
	e oral toxicity	: LI N	D50 (Rat): > lethod: OECI	5.000 mg/kg) Test Guideline 423 ed on data from similar materials
Acute	e dermal toxicity	N		2.000 mg/kg D Test Guideline 402 ed on data from similar materials
Caus	corrosion/irritation es mild skin irritation.			
	ponents:			
Spec			abbit	
Metho Resu			ECD Test Go o skin irritatio	
Oxyte	etracycline:			
Rema	arks	: N	o data availa	ble
Sadi	um [2-[(2,6-dichlorop	honyllor	ninolnhonyl	lagatata
Resu			ritating	
Sodiu	um hydroxymethanes	sulphina	te:	
Spec	ies		at	
Resu Rema	lt		o skin irritatio ased on data	on from similar materials
		. D		
	ous eye damage/eye i es eye irritation.	rritation		
	ponents:			
	rolidone:			
Spec		: R	abbit	
Resu				es, reversing within 7 days
Oxyte	etracycline:			
Rema		: N	o data availa	ble
Magr	nesium oxide:			
Spec			abbit	
Resu Metho			o eye irritatio ECD Test G	
Interne	uu	. 0	ECD Test G	



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Rema	Remarks		Based on data	from similar materials
	um [2-[(2,6-dichlorop			
Resu	lt	:	Mild eye irritatio	on
	um hydroxymethane	-		
Speci Resu		-	Rabbit No eye irritatior	1
Metho	bc	:	OECD Test Gu	ideline 405
Rema	arks	:	Based on data	from similar materials
Resp	iratory or skin sensi	tization	l	
-	sensitization cause an allergic skin	reaction		
-	iratory sensitization			
-	lassified based on ava	ilable ir	nformation.	
Com	oonents:			
	rolidone:			
Test Route	Type es of exposure		Local lymph no Skin contact	de assay (LLNA)
Speci	es	:	Mouse	
Metho Resu			OECD Test Gu negative	ideline 429
Rema				from similar materials
Oxyte	etracycline:			
Test Resu			Human repeat i Sensitizer	insult patch test (HRIPT)
Magn	esium oxide:			
Test			Maximization T	est
Speci	es of exposure		Skin contact Guinea pig	
Metho	bd	:	OECD Test Gu	ideline 406
Resu Rema			negative Based on data	from similar materials
••				
	um hydroxymethane	-		
Test Route	i ype es of exposure		Maximization T Skin contact	est
Speci	es	:	Guinea pig	
Metho			OECD Test Gu	ideline 406
Resu Rema			negative Based on data	from similar materials
	oll mutogonicity			

Germ cell mutagenicity

Not classified based on available information.



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Com	oonents:			
2-Pvr	rolidone:			
	Genotoxicity in vitro		Test Type: Bac Result: negativ	terial reverse mutation assay (AMES) e
			Method: OECD Result: negativ	itro mammalian cell gene mutation test Test Guideline 476 e ed on data from similar materials
				omosome aberration test in vitro Test Guideline 473 e
Geno	toxicity in vivo	:	cytogenetic ass Species: Mous Application Ro	e ute: Intraperitoneal injection Test Guideline 474
Oxyte	etracycline:			
Geno	toxicity in vitro	:	Test Type: Mic Result: negativ	robial mutagenesis assay (Ames test) e
			Test Type: Mou Metabolic activ Result: positive	ation: Metabolic activation
				er chromatid exchange assay hinese hamster ovary cells al
			Test Type: Chr Result: negativ	omosomal aberration e
Geno	toxicity in vivo	:	Test Type: Mic Species: Mous Cell type: Bone Application Roo Result: equivor	e marrow ute: Oral
			Test Type: in v Species: Mous Application Rou Result: negativ	e ute: Intraperitoneal injection
	cell mutagenicity - ssment	:	Weight of evide cell mutagen.	ence does not support classification as a germ
Magn	esium oxide:			
	toxicity in vitro	:		terial reverse mutation assay (AMES) Test Guideline 471



/ersion 6.0	Revision Date: 28.09.2024		98 Number: 56026-00016	Date of last issue: 30.09.2023 Date of first issue: 17.04.2019
			Result: negative Remarks: Based	on data from similar materials
			Method: OECD T Result: negative	nosome aberration test in vitro est Guideline 473
			Remarks: Based	on data from similar materials
				o mammalian cell gene mutation test est Guideline 476
				on data from similar materials
II Sodi	um [2-[(2,6-dichloropł	henyl)amino]phenyl]ac	etate:
	otoxicity in vitro	:		rial reverse mutation assay (AMES)
			Test Type: Mouse Result: negative	e Lymphoma
Geno	otoxicity in vivo	:	Test Type: Chrom Species: CHO Result: negative	nosomal aberration
II Sodi	um hydroxymethanes	sulphi	inate:	
	otoxicity in vitro	:		rial reverse mutation assay (AMES) est Guideline 471
				on data from similar materials
Genc	otoxicity in vivo	:	Test Type: Mamn cytogenetic assay Species: Mouse	nalian erythrocyte micronucleus test (in vivo /)
			Application Route Method: OECD T	: Intraperitoneal injection est Guideline 474
			Result: positive Remarks: Based	on data from similar materials
	n cell mutagenicity - ssment	:	Positive result(s) mutagenicity tests	from in vivo mammalian somatic cell s.
II Carc	inogenicity			
	lassified based on avai	ilable	information.	
	ponents:			
	rrolidone:		Mariaa	
Spec Appli	ies cation Route	:	Mouse Ingestion	
Expo	sure time	:	18 month(s)	
Resu Rema		:	negative Based on data fro	om similar materials



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Oxyte	etracycline:			
Speci		:	Mouse	
	cation Route	:	Oral	
	sure time	:	104 weeks	
Resu	lt	:	negative	
Speci		:	Rat	
Applic	cation Route	:	Oral	
	sure time	÷	103 weeks	
Resul	et Organs	:	equivocal Adrenal gland, P	Pituitary aland
Rema		:		or mode of action may not be relevant in hu-
		•	mans.	
Carcii ment	nogenicity - Assess-	:	Weight of eviden cinogen	nce does not support classification as a car-
Magn	esium oxide:			
Speci	es	:	Mouse	
Applic	cation Route	:	Ingestion	
	sure time	:	96 weeks	
Resu		:	negative	
Rema	arks	:	Based on data fr	om similar materials
Sodiu	um [2-[(2,6-dichloroph	enyl)amino]phenyl]a	cetate:
Speci	es	:	Rat	
	cation Route	:	Oral	
	sure time	:	2 Years	
Resu	lt	:	negative	
Speci		:	Mouse	
	cation Route	:	Oral	
	sure time	:	2 Years	
Resu	lt	:	negative	
May o	oductive toxicity damage fertility. May da ponents:	mag	e the unborn child	ł.
2-Pyr	rolidone:			
	ts on fertility	:	Test Type: One-	generation reproduction toxicity study
			Species: Rat	, , ,
			Application Rout	e: Ingestion
			Result: positive	
			Remarks: Based	l on data from similar materials
Effect	ts on fetal development	:	Test Type [.] Embr	yo-fetal development
		•	Species: Rat	
			Application Rout	e: Ingestion
			Result: positive	0
Repro	oductive toxicity - As-	:	Clear evidence c	of adverse effects on sexual function and
			13 / 23	



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sessment				animal experiments., Clear evidence of n development, based on animal
	Oxytetracycline: Effects on fertility		Species: Rat Application Route Fertility: NOAEL: Result: No effects	eneration reproduction toxicity study : Oral 18 mg/kg body weight o on fertility., No effect on reproduction ca- cant adverse effects were reported
Effect	Effects on fetal development		Species: Rat Application Route Embryo-fetal toxic	vo-fetal development :: Oral city.: LOAEL: 48 mg/kg body weight ntation loss., Skeletal malformations.
			Species: Rat Application Route General Toxicity I Embryo-fetal toxic Result: No teratog	Maternal: LOAEL: 1.200 mg/kg body weight city.: NOAEL: 1.500 mg/kg body weight
			Species: Mouse Application Route General Toxicity I 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	vo-fetal development :: Intramuscular city.: LOAEL: 41,5 mg/kg body weight ntation loss., No fetal abnormalities.
			Species: Dog Application Route Embryo-fetal toxic	vo-fetal development :: Intramuscular city.: LOAEL: 20,75 mg/kg body weight nd visceral variations ., Postimplantation
Repro sessn	oductive toxicity - As- nent	:	Positive evidence human epidemiol	of adverse effects on development from ogical studies.
	desium oxide: ts on fertility	:	Test Type: Comb	ined repeated dose toxicity study with the
	-			elopmental toxicity screening test



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			Application Route Method: OECD To Result: negative Remarks: Based				
E	Effects on fetal development	:	Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat Application Route: Ingestion Method: OECD Test Guideline 422 Result: negative Remarks: Based on data from similar materials				
	Sodium [2-[(2,6-dichlorophe	envl)aminolphenyllac	etate:			
	Effects on fertility	:	Test Type: Fertilit Species: Rat, mal Application Route	y e and female : Oral 4 mg/kg body weight			
E	Effects on fetal development	:	Species: Rat Application Route Developmental To Result: Embryo-fe Test Type: Develo Species: Rabbit Application Route Developmental To	2: Oral Discrete Constraints: 2: Oral Discrete Constraints: 2: Oral Discrete Constraints: 2: Oral Discrete: 2: 5: mg/kg body weight			
	Reproductive toxicity - As-	:	-	etal toxicity., No teratogenic effects. naging the unborn child.			
	Sodium hydroxymethanesu	Inhi	nato.				
	Effects on fertility	:	Test Type: Comb reproduction/deve Species: Rat Application Route Method: OECD To Result: negative				
E	Effects on fetal development	:	Species: Rat Application Route Method: OECD T Result: positive				
	Reproductive toxicity - As- essment	:	Some evidence o animal experimen	f adverse effects on development, based on ts.			



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STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

May cause damage to organs (Gastrointestinal tract, Blood, lymphatic system, Liver, Prostate) through prolonged or repeated exposure.

Components:

Sodium [2-[(2,6-dichlorophenyl)amino]phenyl]acetate:

Target Organs Assessment	Gastrointestinal tract, Blood, lymphatic system, Liver, Prostate Causes damage to organs through prolonged or repeated
	exposure.

Repeated dose toxicity

Components:

2-Pyrrolidone:

Species NOAEL	: Rat	
NOAEL	: 207 r	ng/kg
Application Route	: Inges	stion
Exposure time	: 3 Mo	nths
Method	: OEC	D Test Guideline 408

Oxytetracycline:

Species	: Rat
LÕAEL	: 198 mg/kg
Application Route	: Oral
Exposure time	: 13 Weeks
Target Organs	: Bone
Species LOAEL Application Route Exposure time Target Organs Remarks	: No significant adverse effects were reported

Mouse : 7.990 mg/kg

:

: Oral : 13 Weeks

: Bone

: Dog

: Oral

: Testis

: 125 mg/kg

: 250 mg/kg

: 12 Months

Species LOAEL Application Route Exposure time Target Organs Remarks

Species NOAEL LOAEL Application Route Exposure time Target Organs Remarks

Species	:	Rat
NOAEL	:	40 mg/kg
LOAEL	:	100 mg/kg
Application Route	:	Intraperitoneal
Exposure time	:	14 Days
Target Organs	:	Kidney

: No significant adverse effects were reported

: Significant toxicity observed in testing



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M			
	esium oxide:		
Speci		: Rat	
NOAE		: >= 1.000 mg/kg	
	cation Route sure time	: Ingestion	
Metho		: 28 Days : OECD Test Gui	dolino 407
Rema			rom similar materials
Sodiu	ım [2-[(2,6-dichloro	ohenyl)amino]phenyl]a	acetate:
Speci	es	: Rat	
LÒAE		: 0,25 mg/kg	
Applic	cation Route	: Oral	
	sure time	: 98 w	
Targe	et Organs	: Gastrointestinal	tract, Blood, lymphatic system, Liver, Prost
Speci		: Dog	
LOAE		: 1 mg/kg	
	cation Route	: Oral	
	sure time	: 12 w	
Targe	et Organs	: Blood	
Speci		: Baboon	
NOAE		: 0,5 mg/kg	
LOAE		: 5 mg/kg	
	cation Route	: Oral	
	sure time	: 52 w	
	et Organs	: Gastrointestinal	
Symp	otoms	: constipation, Di	arrhea
Sodiu	um hydroxymethane	esulphinate:	
Speci	es	: Rat	
NOA		: 600 mg/kg	
	cation Route	: Ingestion	
Expo	sure time	: 90 Days	
Metho		: OECD Test Gui	
Rema	arks	: Based on data f	rom similar materials
Aspir	ation toxicity		
Not c	assified based on av	ailable information.	
Ехре	rience with human e	exposure	
<u>Com</u>	oonents:		
	etracycline:		
Inges	tion		strointestinal disturbance, tooth discoloratior cause birth defects.
Sodiu		ohenyl)amino]phenyl]a	
	tion	Comparteness Alba	lominal pain, Diarrhea, constipation, heartbu





ersion 0	Revision Date: 28.09.2024		0S Number: 56026-00016	Date of last issue: 30.09.2023 Date of first issue: 17.04.2019
	12. ECOLOGICAL INFO	ORN	IATION	
Ecoto	xicity			
	onents:			
2-Pvrr	olidone:			
	y to fish	:	Exposure time: 9	io (zebra fish)): > 4.600 - 10.000 mg/l 96 h Test Guideline 203
	y to daphnia and other cinvertebrates	:	EC50 (Daphnia Exposure time: 4	magna (Water flea)): > 500 mg/l 48 h
Toxicit plants	y to algae/aquatic	:	ErC50 (Desmod Exposure time: 7	esmus subspicatus (green algae)): > 500 mg 72 h
			EC10 (Desmode Exposure time: 7	esmus subspicatus (green algae)): 22,2 mg/l 72 h
Toxicit	y to microorganisms	:	Exposure time: 3	
Oxyte	tracycline:			
	y to fish	:	Exposure time: 9	atipes (Japanese medaka)): 110 mg/l 96 h Test Guideline 203
	y to daphnia and other c invertebrates	:	Exposure time: 4	magna (Water flea)): 621 mg/l 48 h Test Guideline 202
			Exposure time: 4	magna (Water flea)): 669 mg/l 48 h Test Guideline 202
Toxicit plants	y to algae/aquatic	:	EC50 (Anabaen Exposure time: 7	
			NOEC (Anabaer Exposure time: 7	
M-Fac icity)	tor (Acute aquatic tox-	:	10	
M-Fac	tor (Chronic aquatic	:	10	
toxicity Toxicit	y to microorganisms	:	EC50: 17,9 mg/l Exposure time: 3 Test Type: Resp Method: OECD	3 h
			NOEC: 0,2 mg/l	



rsion	Revision Date: 28.09.2024		9S Number: 56026-00016	Date of last issue: 30.09.2023 Date of first issue: 17.04.2019
			Exposure time: 3 Test Type: Respir Method: OECD T	
Magn	esium oxide:			
	ty to fish	:	Exposure time: 96	s promelas (fathead minnow)): > 100 mg 6 h on data from similar materials
	ty to daphnia and other c invertebrates	:	Exposure time: 48	agna (Water flea)): > 100 mg/l 8 h on data from similar materials
Toxicit plants	ty to algae/aquatic	:	mg/l Exposure time: 72 Test substance: V Method: OECD T	chneriella subcapitata (green algae)): > 1 2 h Nater Accommodated Fraction est Guideline 201 on data from similar materials
Toxici	ty to microorganisms	:	Exposure time: 3 Method: OECD T	
Sodiu	m [2-[(2,6-dichlorophe	envl	aminolphenyllac	etate:
	ty to fish	:	LC50 (Pimephale Exposure time: 90	es promelas (fathead minnow)): 166,6 mg
	ty to daphnia and other c invertebrates	:	Exposure time: 48	nagna (Water flea)): 80,1 mg/l 8 h rest Guideline 202
Toxicit plants	ty to algae/aquatic	:	EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD T	
			mg/l Exposure time: 72	rchneriella subcapitata (green algae)): 4 2 h est Guideline 201
Toxicit icity)	ty to fish (Chronic tox-	:	Exposure time: 32	es promelas (fathead minnow)): 0,32 mg 2 d est Guideline 210
	ty to daphnia and other c invertebrates (Chron- city)	:	NOEC (Daphnia i Exposure time: 2 ⁻ Method: OECD T	

Sodium hydroxymethanesulphinate:



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Toxicit	y to fish	:	LC50 (Leuciscus idus (Golden orfe)): > 10.000 mg/l Exposure time: 96 h Remarks: Based on data from similar materials	
	y to daphnia and other c invertebrates	:	Exposure time: 4 Method: OECD T	nagna (Water flea)): > 100 mg/l 8 h ⁻ est Guideline 202 on data from similar materials
Toxicit plants	y to algae/aquatic	:	Exposure time: 7 Method: OECD T	esmus subspicatus (green algae)): 370 mg/l 2 h Test Guideline 201 on data from similar materials
Toxicit icity)	y to fish (Chronic tox-	:	Exposure time: 3 Method: OECD T	io (zebra fish)): 13,5 mg/l 5 d est Guideline 210 on data from similar materials
	y to daphnia and other c invertebrates (Chron- city)	:	Exposure time: 2 Method: OECD T	magna (Water flea)): 5,6 mg/l 1 d Test Guideline 211 on data from similar materials
Toxicit	y to microorganisms	:	EC50: > 1.000 m Exposure time: 4 Remarks: Based	
Persis	stence and degradabili	ty		
<u>Comp</u>	onents:			
	olidone:			
Biodeç	gradability	:	Result: Readily b Remarks: Based	iodegradable. on data from similar materials
Sodiu	m hydroxymethanesu	lphi	inate:	
Biodeç	gradability	:		77 %
Bioac	cumulative potential			
<u>Comp</u>	onents:			
2-Pyrr	olidone:			
	on coefficient: n- ol/water	:	log Pow: -0,71 Method: OECD 1	est Guideline 107
II Sodiu	m [2-[(2,6-dichlorophe	nvl)amino]phenvllad	cetate:
	on coefficient: n-	:	log Pow: 4,51	



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	octanol/water Mobility in soil						
	ata available						
•	Other adverse effects No data available						
SECTION 13. DISPOSAL CONSIDERATIONS							
Dispo	osal methods						
Waste	e from residues	:	•	f waste into sewer.			
Conta	aminated packaging	:	 Dispose of in accordance with local regulations. Empty containers should be taken to an approved waster handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product 				

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG UN number	:	
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.
		(Oxytetracycline)
Class	:	9
Packing group		
	÷	9
EmS Code	÷	F-A, S-F
Marine pollutant	•	yes



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	sport in bulk accord	•	ARPOL 73/78 and the IBC Code
Dome	estic regulation		
	r umber er shipping name	: UN 3082 : ENVIRONME N.O.S. (oxytetracycl	INTALLY HAZARDOUS SUBSTANCE, LIQUID,
	ng group	: 9 : III	

Labels : 9 Hazard Identification Number : 90

Special precautions for user

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

SECTION 15. REGULATORY INFORMATION

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

National List of Carcinogenic Agents for Humans - (LINACH)	:	Not applicable
Brazil. List of chemicals controlled by the Federal Police	:	Not applicable

The ingredients of this product are reported in the following inventories:

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

SECTION 16. OTHER INFORMATION

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

Further information

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

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Full text of other abbreviations



Version 6.0	Revision Date: 28.09.2024	SDS Number: 4156026-00016	Date of last issue: 30.09.2023 Date of first issue: 17.04.2019
ACG	IH	: USA. ACGIH Threshold Limit Values (TLV)	
ACGIH / TWA : 8-hour, time-weighted average		weighted average	

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

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

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