

Versio 5.0	on	Revision Date: 28.09.2024		S Number: 3805-00020	Date of last issue: 06.04.2024 Date of first issue: 20.02.2017	
	FION 1 Product	IDENTIFICATION	:	Oxytetracycline /	Diclofenac Liquid Formulation	
N	Manufa	cturer or supplier's d	letai	ls		
C	Compa	ny	:	Intervet Australia Pty Limited (trading as MSD Animal Health		
A	Address		:	91-105 Harpin Street Bendigo 3550, Victoria Austrailia		
Т	Telepho	one	:	1 800 033 461		
E	Emerge	ency telephone number	·:	Poisons Informat	ion Centre: Phone 13 11 26	
E	E-mail a	address	:	EHSDATASTEW	'ARD@msd.com	
F	Recom	mended use of the ch	nem	ical and restriction	ons on use	
		mended use ions on use	:	Veterinary produce Not applicable	ct	

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Serious eye damage/eye irri- tation	:	Category 2A
Skin sensitisation	:	Category 1
Reproductive toxicity	:	Category 1A
GHS label elements Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H360FD May damage fertility. 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.



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		P264 Wash sk P272 Contami the workplace.	otective gloves/ protective clothing/ eye protec-			
		P305 + P351 - for several mir easy to do. Co P308 + P313 I attention. P333 + P313 I vice/ attention.	 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 advice/ attention. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/ at- 			
		Storage: P405 Store loc	cked up.			
		Disposal:	of contents/ container to an approved waste			
II Othe	r hazards which do	not result in classifica	ation			

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
2-Pyrrolidone	616-45-5	>= 30 -< 60
oxytetracycline	79-57-2	>= 10 -< 30
Benzyl alcohol	100-51-6	>= 1 -< 10
Magnesium oxide	1309-48-4	< 10
Sodium [2-[(2,6-	15307-79-6	< 1
dichlorophenyl)amino]phenyl]acetate		
Sodium hydroxymethanesulphinate	149-44-0	< 1

SECTION 4. FIRST AID MEASURES

General advice	: In the case of accident or if you feel unwell, seek medical ad- vice immediately.
	When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	: If inhaled, remove to fresh air.



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In ca In ca	se of skin contact se of eye contact	:	Get medical atter In case of contact of water. Remove contamin Get medical atter Wash clothing be Thoroughly clean In case of contact for at least 15 min If easy to do, rem Get medical atter	ntion. t, immediately flush skin with soap and plenty nated clothing and shoes. ntion. fore reuse. shoes before reuse. t, immediately flush eyes with plenty of water nutes. nove contact lens, if worn.	
and e delay Prote	Most important symptoms and effects, both acute and delayed Protection of first-aiders Notes to physician		Get medical attention. Rinse mouth thoroughly with water. May cause an allergic skin reaction. Causes serious eye irritation. May damage fertility. May damage the unborn child. 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). Treat symptomatically and supportively.		
SECTION	5. FIREFIGHTING MEA	SU	RES		
Suita	ble extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (0 Dry chemical		
Unsu medi	itable extinguishing a	:	None known.		
Spec fightii	ific hazards during fire- ng	:	Exposure to com	bustion products may be a hazard to health.	
Haza ucts	rdous combustion prod-	:	Carbon oxides Nitrogen oxides (NOx)	
0	the section of the second state				

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 firefighters	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.



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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 pro- tective 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	:	Soak up with inert absorbent material. For large spills, provide dyking or other appropriate contain- ment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absor- bent. Local or national regulations may apply to releases and dis- posal of this material, as well as those materials and items employed in the cleanup of releases. You will need to deter- mine 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 Local/Total ventilation	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section. If sufficient ventilation is unavailable, use with local ventilation.	exhaust
Advice on safe handling	Do not get on skin or clothing. Avoid breathing mist or vapours. Do not swallow. Do not get in eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene a practice, based on the results of the workplace expo sessment Keep container tightly closed. Take care to prevent spills, waste and minimize rele environment.	osure as-
Hygiene measures	If exposure to chemical is likely during typical use, p flushing systems and safety showers close to the w place. When using do not eat, drink or smoke. Contaminated work clothing should not be allowed o	orking



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	ions for safe storage als to avoid	The effective oper engineering contr appropriate dego industrial hygiener use of administra : Keep in properly Store locked up. Keep tightly close Store in accordar	labelled containers. ed. nce with the particular national regulations. the following product types:

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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 inform	ation: DSEN		
		Wipe limit	100 µg/100 cm ²	Internal
Magnesium oxide	1309-48-4	TWA (Fumes)	10 mg/m3	AU OEL
		TWA (Inhal- able particu- late matter)	10 mg/m3	ACGIH
Sodium [2-[(2,6- dichloro- phenyl)amino]phenyl]acetate	15307-79-6	TWA	100 µg/m3 (OEB 2)	Internal
	Further information: Skin			

Components with workplace control parameters

Filter type Hand protection

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

: Combined particulates and organic vapour type



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	Material	:	Chemical-resistar	it gloves
Ey	e protection	:	If the work environ mists or aerosols, Wear a faceshield	tes with side shields or goggles. Inment or activity involves dusty conditions, wear the appropriate goggles. If or other full face protection if there is a a contact to the face with dusts, mists, or
Sk	in and body protection	:	Work uniform or la	aboratory coat.
SECTIO	ON 9. PHYSICAL AND CHE	ΞΜΙΟ		3
Ар	pearance	:	liquid	
Co	lour	:	light brown	
Oc	lour	:	No data available	9
Oc	lour Threshold	:	No data available)
рH		:	8.3 - 9.0 (as aqueous solu	tion)
Me	elting point/freezing point	:	No data available)
	tial boiling point and boiling nge	:	No data available	
Fla	ash point	:	No data available)
Ev	aporation rate	:	No data available)
Fla	ammability (solid, gas)	:	Not applicable	
Fla	ammability (liquids)	:	No data available)
	per explosion limit / Upper mmability limit	:	No data available)
	wer explosion limit / Lower mmability limit	:	No data available)
Va	pour pressure	:	No data available	9
Re	lative vapour density	:	No data available	9
Re	lative density	:	No data available	9
De	nsity	:	1.05 - 1.18 g/cm ³	
So	lubility(ies)			



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Water solubility	:	soluble
Partition coefficient: n- octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity Viscosity, kinematic	:	47.62 mm2/s
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Molecular weight	:	No data available
Particle characteristics Particle size	:	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reac- tions	:	Not classified as a reactivity hazard. Stable under normal conditions. Can react with strong oxidizing agents.
Conditions to avoid Incompatible materials Hazardous decomposition products	:	None known. Oxidizing agents No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Exposure routes	:	Inhalation Skin contact Ingestion Eye contact
Acute toxicity		
Not classified based on availa	ble	information.
Product:		
Acute oral toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method
Components:		
2-Pyrrolidone: Acute oral toxicity	:	LD50 (Rat): > 2,000 mg/kg



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				Test Guideline 401 he substance or mixture has no acute oral tox
Acute	e dermal toxicity	:		> 2,000 mg/kg Test Guideline 402 he substance or mixture has no acute dermal
oxyte	etracycline:			
	e oral toxicity	:	LD50 (Rat): 4,8	00 mg/kg
			LD50 (Mouse): Remarks: Evide	2,240 mg/kg ence of phototoxicity was observed
Acute	e inhalation toxicity	:	Remarks: No d	ata available
Acute	e dermal toxicity	:	Remarks: No d	ata available
	e toxicity (other routes of nistration)	:		40 mg/kg ute: Intramuscular
			LD50 (Mouse): Application Rou	3,500 mg/kg ute: Subcutaneous
II Benz	yl alcohol:			
Acute	e oral toxicity	:	LD50 (Rat): 1,2	200 mg/kg
Acute	e inhalation toxicity	:	LC50 (Rat): > 5 Exposure time:	4 h
				re: dust/mist Test Guideline 403 he substance or mixture has no acute inhala-
II Magr	nesium oxide:			
	e oral toxicity	:	Assessment: T icity	2,000 mg/kg Test Guideline 423 he substance or mixture has no acute oral tox ed on data from similar materials
Acute	e inhalation toxicity	:		4 h



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

Acute oral toxicity	:	LD50 (Rat): 55 - 240 mg/kg
Acute oral toxicity		LD50 (Mouse): 170 - 389 mg/kg
Acute toxicity (other routes of administration)	:	LD50 (Rat): 97 - 161 mg/kg Application Route: Intravenous
		LD50 (Mouse): 92 - 147 mg/kg Application Route: Intravenous

Sodium hydroxymethanesulphinate:

Acute oral toxicity	:	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 423 Assessment: The substance or mixture has no acute oral tox- icity
Acute dermal toxicity	:	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Not classified based on available information.

Components:

2-Pyrrolidone:

Species	: Rabbit
Method	: OECD Test Guideline 404
Species Method Result	: No skin irritation

oxytetracycline:

Remarks

: No data available

Benzyl alcohol:

Species	: Rabbit
Method	: OECD Test Guideline 404
Species Method Result	: No skin irritation

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

Result : irritating

Sodium hydroxymethanesulphinate:

Species Result	:	Rat
Result	:	No skin irritation



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	us eye damage/eye i es serious eye irritatio		on	
Com	oonents:			
2-Pyr	rolidone:			
Speci Resu		:	Rabbit Irritation to eyes	, reversing within 7 days
oxyte	etracycline:			
Rema	arks	:	No data availabl	e
Benz	yl alcohol:			
Speci	•	:	Rabbit	
Resu		:	Irritation to eyes	, reversing within 21 days
Metho	bd	•	OECD Test Guid	deline 405
Magn	esium oxide:			
Speci		:	Rabbit	
Resu		:	No eye irritation	deline 405
Metho Rema		:	OECD Test Guid Based on data fi	rom similar materials
Sodiu	um [2-[(2,6-dichlorop	honyl)aminalahanulla	cotato.
Resu		:	Mild eye irritation	
			-	
	um hydroxymethanes	-		
Speci Resu	es H	:	Rabbit	
Metho		:	No eye irritation OECD Test Guid	
Resp	iratory or skin sensit	tisatio	'n	
Skin	sensitisation			
May o	cause an allergic skin	reactio	on.	
Resp	iratory sensitisation			
Not c	lassified based on ava	ilable	information.	
<u>Com</u>	ponents:			
2-Pyr	rolidone:			
Test		:	Local lymph nod	le assay (LLNA)
Expo: Speci	sure routes	:	Skin contact Mouse	
Metho		:	OECD Test Guid	deline 429
Resu		:	negative	



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Rema	arks	: Based on da	ata from similar materials
	etracycline:		
Test Resu		: Human repe : Sensitiser	eat insult patch test (HRIPT)
Benz	yl alcohol:		
Test Expos Speci Resu	sure routes ies	: Human repe : Skin contact : Humans : positive	eat insult patch test (HRIPT)
	ssment	·	or evidence of low to moderate skin sensitisation
Magn	nesium oxide:		
Test Expos Speci Metho Resu Rema	Type sure routes ies od It	: negative : Based on da	
Test	Type sure routes	: Maximisatio : Skin contact	
Speci		: Guinea pig	
Metho Resu			Guideline 406
Chro	nic toxicity		
Not c	n cell mutagenicity lassified based on ava	ailable information.	
	ponents:		
	rolidone: toxicity in vitro	: Test Type: E Result: nega	Bacterial reverse mutation assay (AMES) ative
		Method: OE Result: nega	n vitro mammalian cell gene mutation test CD Test Guideline 476 ative ased on data from similar materials
			Chromosome aberration test in vitro CD Test Guideline 473



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Geno	toxicity in vivo	cytogenetic a Species: Mou Application R	ammalian erythrocyte micronucleus test (in vivo issay) ise oute: Intraperitoneal injection CD Test Guideline 474
oxvte	tracycline:		
	toxicity in vitro	: Test Type: M Result: negat	icrobial mutagenesis assay (Ames test) ive
			ouse Lymphoma ivation: Metabolic activation ve
			ster chromatid exchange assay Chinese hamster ovary cells ocal
		Test Type: C Result: nega	hromosomal aberration ive
Geno	toxicity in vivo	: Test Type: M Species: Mou Cell type: Bo Application R Result: equiv	ne marrow oute: Oral
		Test Type: in Species: Mou Application R Result: nega	use oute: Intraperitoneal injection
	cell mutagenicity - ssment	: Weight of evi cell mutagen	dence does not support classification as a germ
Benzy	yl alcohol:		
	toxicity in vitro	: Test Type: B Result: nega	acterial reverse mutation assay (AMES) ive
Geno	toxicity in vivo	cytogenetic a Species: Mou	use oute: Intraperitoneal injection

Magnesium oxide:



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Geno	toxicity in vitro			cterial reverse mutation assay (AMES)
		R	esult: negativ) Test Guideline 471 re ed on data from similar materials
		N R	lethod: OECE esult: negativ	romosome aberration test in vitro 0 Test Guideline 473 re ed on data from similar materials
		N R	lethod: OECE esult: negativ	
				ed on data from similar materials
	um [2-[(2,6-dichlorop			
Genotoxicity in vitro		esult: negativ	cterial reverse mutation assay (AMES) re	
			est Type: Mo esult: negativ	use Lymphoma re
Geno	toxicity in vivo	S	: Test Type: Chromosomal aberration Species: CHO Result: negative	
Sodiu	Im hydroxymethane	sulphina	ite:	
Geno	toxicity in vitro	N		cterial reverse mutation assay (AMES)) Test Guideline 471 /e
		N		itro mammalian cell gene mutation test) Test Guideline 476 e
Geno	toxicity in vivo	C S A N	ytogenetic as pecies: Mous pplication Ro	e ute: Intraperitoneal injection) Test Guideline 474
	cell mutagenicity -		ositive result(enicity tests.	s) from in vivo mammalian somatic cell muta-

Carcinogenicity

Not classified based on available information.



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Com	ponents:		
2-Pvr	rolidone:		
Spec Appli	ies cation Route sure time It	: Mouse : Ingestion : 18 month(s) : negative : Based on data fr	om similar materials
oxyte	etracycline:		
Spec Appli	ies cation Route sure time	: Mouse : Oral : 104 weeks : negative	
Expo Resu	cation Route sure time It of Organs	: Rat : Oral : 103 weeks : equivocal : Adrenal gland, P : The mechanism mans.	ituitary gland or mode of action may not be relevant in hu-
Carci ment	nogenicity - Assess-	: Weight of eviden cinogen	ce does not support classification as a car-
Benz	yl alcohol:		
	cation Route sure time od	: Mouse : Ingestion : 103 weeks : OECD Test Guid : negative	leline 451
Magr	esium oxide:		
Speci Applie Expo Resu Rema	cation Route sure time It	: Mouse : Ingestion : 96 weeks : negative : Based on data fr	om similar materials
Sodiu	um [2-[(2,6-dichloro	ohenyl)amino]phenyl]a	cetate:
Spec Appli	ies cation Route sure time	: Rat : Oral : 2 Years : negative	
Spec Appli	ies cation Route	: Mouse : Oral	



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Expo Resu	sure time It	: 2 \ : ne	∕ears gative	
Mayo	oductive toxicity damage fertility. May da ponents:	amage th	e unborn child.	
	rolidone:			
-	ts on fertility	Sp Ap Re	ecies: Rat plication Route sult: positive	generation reproduction toxicity study e: Ingestion on data from similar materials
Effect ment	ts on foetal develop-	Sp Ap	st Type: Embry ecies: Rat plication Route sult: positive	yo-foetal development e: Ingestion
Repro sessr	oductive toxicity - As- nent	ity,	based on anir	f adverse effects on sexual function and fert nal experiments., Clear evidence of adverse pment, based on animal experiments.
II oxvte	etracycline:			
	ts on fertility	Sp Ap Fe Re	ecies: Rat plication Route rtility: NOAEL: sult: No effects	generation reproduction toxicity study e: Oral 18 mg/kg body weight s on fertility, No effect on reproduction capa adverse effects were reported
Effect ment	ts on foetal develop-	Sp Ap En	ecies: Rat plication Route nbryo-foetal to	yo-foetal development e: Oral kicity: LOAEL: 48 mg/kg body weight antation loss., Skeletal malformations
		Sp Ap Ge En Re	ecies: Rat plication Route neral Toxicity nbryo-foetal tox sult: No terato	Maternal: LOAEL: 1,200 mg/kg body weight kicity: NOAEL: 1,500 mg/kg body weight
		Sp Ap	ecies: Mouse plication Route	yo-foetal development e: Oral Maternal: LOAEL: 1,325 mg/kg body weight



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sessn Benz	oductive toxicity - As- nent yl alcohol: is on fertility	Result: No te Remarks: Ma Test Type: El Species: Rab Application R Embryo-foeta Result: Postil Test Type: El Species: Dog Application R Embryo-foeta Result: Skele : Positive evide human epide	oute: Intramuscular al toxicity: LOAEL: 41.5 mg/kg body weight mplantation loss., No foetal abnormalities mbryo-foetal development
Effect ment	s on foetal develop-	: Test Type: El Species: Mou	sed on data from similar materials mbryo-foetal development use coute: Ingestion
II Magn	esium oxide:		
	s on fertility	reproduction/ Species: Rat Application R Method: OEC Result: negation	oute: Ingestion D Test Guideline 422
Effect ment	s on foetal develop-	reproduction/ Species: Rat Application R Method: OEC Result: negat	oute: Ingestion D Test Guideline 422

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



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Effects	s on fertility	Application F Fertility: NO	, male and female
Effects on foetal develop- ment			
			obit
Repro sessm	ductive toxicity - As- ent	: Suspected o	f damaging the unborn child.
Sodiu	m hydroxymethanes	ulphinate:	
Effects	s on fertility	reproduction Species: Ra Application F	Route: Ingestion CD Test Guideline 422
Effects ment	s on foetal develop-	Species: Ra Application F	Route: Ingestion CD Test Guideline 414
Repro sessm	ductive toxicity - As- ent	: Some evider animal expe	nce of adverse effects on development, based riments.

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

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.



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Repeated dose toxicity

Components:

	Rat 207 mg/kg Ingestion 3 Months OECD Test Guideline 408
: : : : : : : : : : : : : : : : : : : :	Rat 198 mg/kg Oral 13 Weeks Bone No significant adverse effects were reported
: : : : : : : : : : : : : : : : : : : :	Mouse 7,990 mg/kg Oral 13 Weeks Bone No significant adverse effects were reported
	Dog 125 mg/kg 250 mg/kg Oral 12 Months Testis Significant toxicity observed in testing
	Rat 40 mg/kg 100 mg/kg Intraperitoneal 14 Days Kidney
:	Rat 1.072 mg/l inhalation (dust/mist/fume) 28 Days OECD Test Guideline 412

Magnesium oxide:



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	EL cation Route sure time od		/kg Guideline 407 Ita from similar materials
Sodiu	ım [2-[(2,6-dichlorop	henyl)amino]phen	yl]acetate:
Speci LOAE Applic Expos	es	: Rat : 0.25 mg/kg : Oral : 98 w	inal tract, Blood, lymphatic system, Liver, Prostate
Expos		: Dog : 1 mg/kg : Oral : 12 w : Blood	
Expos	EL EL cation Route sure time et Organs	: Baboon : 0.5 mg/kg : 5 mg/kg : Oral : 52 w : Gastrointesti : constipation,	inal tract, Blood Diarrhoea
Sodiı	um hydroxymethane	sulphinate:	
Speci NOAE Applic	es EL cation Route sure time	: Rat : 600 mg/kg : Ingestion : 13 Weeks	Guideline 408
Not cl	ration toxicity lassified based on ava rience with human e		
Com	oonents:		
oxyte	etracycline:		
Inges	tion		Gastrointestinal disturbance, tooth discoloration ay cause birth defects.
Sodiu	um [2-[(2,6-dichlorop	henyl)amino]phen	yl]acetate:
Inges		: Symptoms: A	Abdominal pain, Diarrhoea, constipation, heart- tion, Dizziness, Headache, Breathing difficulties,
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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity		
Components:		
2-Pyrrolidone:		
Toxicity to fish	:	LC50 (Danio rerio (zebra fish)): > 4,600 - 10,000 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 500 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	ErC50 (Desmodesmus subspicatus (green algae)): > 500 mg/l Exposure time: 72 h
		EC10 (Desmodesmus subspicatus (green algae)): 22.2 mg/l Exposure time: 72 h
Toxicity to microorganisms	:	EC50: > 1,000 mg/l Exposure time: 30 min Method: OECD Test Guideline 209
oxytetracycline:		
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: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	EC50 (Anabaena): 0.032 mg/l Exposure time: 72 h
		NOEC (Anabaena): 0.0031 mg/l Exposure time: 72 h
Toxicity to microorganisms	:	EC50: 17.9 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209
		NOEC: 0.2 mg/l



sion	Revision Date: 28.09.2024	-	S Number: 13805-00020	Date of last issue: 06.04.2024 Date of first issue: 20.02.2017
			Exposure time: 3 Test Type: Resp Method: OECD	
Benzy	yl alcohol:			
	ity to fish	:	LC50 (Pimephal Exposure time: 9	es promelas (fathead minnow)): 460 mg 96 h
	ty to daphnia and other ic invertebrates	:	Exposure time: 4	magna (Water flea)): 230 mg/l 48 h Test Guideline 202
Toxici plants	ty to algae/aquatic	:	mg/l Exposure time: 7	rchneriella subcapitata (green algae)): 7 72 h Test Guideline 201
			mg/l Exposure time: 7	tirchneriella subcapitata (green algae)): 72 h Test Guideline 201
	ty to daphnia and other ic invertebrates (Chron- city)	:	Exposure time: 2	magna (Water flea)): 51 mg/l 21 d Test Guideline 211
 Magn	esium oxide:			
Toxici	ty to fish	:	Exposure time: 9	es promelas (fathead minnow)): > 100 n 96 h I on data from similar materials
	ty to daphnia and other ic invertebrates	:	Exposure time: 4	nagna (Water flea)): > 100 mg/l ł8 h l on data from similar materials
Toxici plants	ty to algae/aquatic	:	mg/l Exposure time: 7 Test substance: Method: OECD	rchneriella subcapitata (green algae)): > 72 h Water Accommodated Fraction Test Guideline 201 I on data from similar materials
Toxici	ty to microorganisms	:		

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

Toxicity to fish

: LC50 (Pimephales promelas (fathead minnow)): 166.6 mg/l



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			Exposure time: 9 Method: OECD T	6 h Test Guideline 203
	ity to daphnia and other ic invertebrates	:	Exposure time: 4	nagna (Water flea)): 80.1 mg/l 8 h ⁻ est Guideline 202
Toxici plants	ity to algae/aquatic	:	mg/l Exposure time: 7	rchneriella subcapitata (green algae)): 71.9 2 h Test Guideline 201
			mg/l Exposure time: 7	irchneriella subcapitata (green algae)): 49.2 2 h ⁻ est Guideline 201
Toxici icity)	ity to fish (Chronic tox-	:	Exposure time: 3	les promelas (fathead minnow)): 0.32 mg/l 2 d ⁻ est Guideline 210
	ity to daphnia and other ic invertebrates (Chron- icity)	:	Exposure time: 2	magna (Water flea)): 10 mg/l 1 d ^T est Guideline 211
Sodiu	ım hydroxymethanesu	lphi	nate:	
	ity to fish	:		idus (Golden orfe)): > 10,000 mg/l 6 h
	ity to daphnia and other ic invertebrates	:	Exposure time: 4	nagna (Water flea)): > 100 mg/l 8 h 「est Guideline 202
Toxici plants	ity to algae/aquatic	:	Exposure time: 7	esmus subspicatus (green algae)): 370 mg/l 2 h Fest Guideline 201
			Exposure time: 7	esmus subspicatus (green algae)): 10 mg/l 2 h Fest Guideline 201
Toxici icity)	ity to fish (Chronic tox-	:	Exposure time: 3	rio (zebra fish)): 13.5 mg/l 5 d Fest Guideline 210
	ity to daphnia and other ic invertebrates (Chron- icity)	:	Exposure time: 2	nagna (Water flea)): 8 mg/l 1 d ⁻ est Guideline 211
Tovici	ity to microorganisms			



/ersion 5.0	Revision Date: 28.09.2024		DS Number: 13805-00020	Date of last issue: 06.04.2024 Date of first issue: 20.02.2017
			Exposure time: 4	4 h
Persi	stence and degrada	bility		
Com	ponents:			
2-Руі	rolidone:			
Biode	egradability	:	Result: Readily I Remarks: Based	biodegradable. d on data from similar materials
Benz	yl alcohol:			
Biode	egradability	:	Result: Readily I Biodegradation: Exposure time:	92 - 96 %
Sodi	um hydroxymethane	sulph	inate:	
Biode	egradability	:	Result: Readily I Biodegradation: Exposure time: 2 Method: OECD	77 %
Bioa	ccumulative potentia	al		
Com	ponents:			
2-Pyı	rolidone:			
	ion coefficient: n- ol/water	:	0	Test Guideline 107
Benz	yl alcohol:			
	ion coefficient: n- ol/water	:	log Pow: 1.05	
	um [2-[(2,6-dichlorop	-		cetate:
octan	ol/water	:		
	um hydroxymethane	•		
	ion coefficient: n- ol/water	:	log Pow: < 0.3	
	lity in soil ata available			
	r adverse effects ata available			



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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 han- dling 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	:	III
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	:	III
Labels	:	9
EmS Code	:	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.

National Regulations



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ADG

ADO		
UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
		N.O.S.
		(oxytetracycline)
Class	:	9
Packing group	:	III
Labels	:	9
Hazchem Code	:	•3Z
Environmentally hazardous	:	yes

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

Therapeutic Goods (Poisons : Standard) Instrument		the original publication to check for onditions or threshold limits that might
Prohibition/Licensing Requiremer	its :	There is no applicable prohibition, authorisation and restricted use requirements, including for carcino- gens referred to in Schedule 10 of the model WHS Act and Regula- tions.
The components of this produc	t are reported in the fol	lowing inventories:

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

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

SECTION 16: ANY OTHER RELEVANT INFORMATION

Further information

Revision Date	:	28.09.2024
Sources of key data used to	:	Internal technical data, data from raw material SDSs, OECD
compile the Safety Data		eChem Portal search results and European Chemicals Agen-
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.



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Date format	:	dd.mm.yyyy
Full text of other abbreviation	ons	
ACGIH AU OEL		USA. ACGIH Threshold Limit Values (TLV) Australia. Workplace Exposure Standards for Airborne Con- taminants.
ACGIH / TWA AU OEL / TWA		8-hour, time-weighted average Exposure standard - time 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 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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