



Version 4.2	Revision Date: 06.04.2024		Number: 062-00011	Date of last issue: 30.09.2023 Date of first issue: 05.06.2020
	1: IDENTIFICATION act name	: •	Oxytetracyclin	e Solid Formulation
Manu	facturer or supplier'	s details	6	
Comp				lia Pty Limited (trading as MSD Animal Health)
Addre	Address		91-105 Harpin Bendigo 3550	Street , Victoria Austrailia
Telep	Telephone		1 800 033 461	
Emer	gency telephone num	ber :	Poisons Inforn	nation Centre: Phone 13 11 26
E-ma	il address	:	EHSDATASTE	EWARD@msd.com
Reco	mmended use of the	chemic	al and restric	tions on use
	mmended use ictions on use		Veterinary pro Not applicable	

GHS Classification		
Skin corrosion/irritation	:	Category 1
Serious eye damage/eye irri- tation	:	Category 1
Skin sensitisation	:	Category 1
Reproductive toxicity	:	Category 1A
GHS label elements		
Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H360D May damage the unborn child.
Precautionary statements	:	Prevention: P201 Obtain special instructions before use.
		P202 Do not handle until all safety precautions have been read



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		P272 Contami the workplace.	reathe dust. in thoroughly after handling. nated work clothing should not be allowed out c ptective gloves/ protective clothing/ eye protec-
		Response:	
		Do NOT induc CENTER/ doc P303 + P361 - immediately al shower. Immer P304 + P340 - and keep com POISON CEN P305 + P351 - water for seve and easy to do CENTER/ doc P308 + P313 I attention.	 + P353 + P310 IF ON SKIN (or hair): Take off I contaminated clothing. Rinse skin with water of diately call a POISON CENTER/ doctor. + P310 IF INHALED: Remove person to fresh a fortable for breathing. Immediately call a TER/ doctor. + P338 + P310 IF IN EYES: Rinse cautiously w ral minutes. Remove contact lenses, if present b. Continue rinsing. Immediately call a POISON tor. F exposed or concerned: Get medical advice/ f skin irritation or rash occurs: Get medical ad-
		Storage:	skod up
		P405 Store loc Disposal: P501 Dispose	of contents/ container to an approved waste

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	/ Mixture	:	Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
oxytetracycline	79-57-2	>= 60 -<= 100

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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			If breathing is diff	jive artificial respiration. icult, give oxygen.
In cas	se of skin contact	:	In case of contact for at least 15 min and shoes. Get medical atter Wash clothing be	
In cas	se of eye contact	:	In case of contact for at least 15 min If easy to do, rem	shoes before reuse. t, immediately flush eyes with plenty of wate nutes. nove contact lens, if worn. ntion immediately.
lf swa	allowed	:	If swallowed, DO If vomiting occurs Call a physician of Rinse mouth thor	NOT induce vomiting. s have person lean forward. or poison control centre immediately. oughly with water. ing by mouth to an unconscious person.
	important symptoms ffects, both acute and ed	:		ergic skin reaction. eye damage. unborn child. urns.
Prote	ction of first-aiders	:	First Aid respond and use the reco	ers should pay attention to self-protection, mmended personal protective equipment al for exposure exists (see section 8).
Notes	s to physician	:		ically and supportively.
SECTION	5. FIREFIGHTING MEA	SUI	RES	
Suita	ble extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (Dry chemical	

Unsuitable extinguishing	:	Dry chemical None known.
media		
Specific hazards during fire- fighting	:	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
		Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides
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 Hazchem Code	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. 2Z



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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. 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	:	Sweep up or vacuum up spillage and collect in suitable con- tainer for disposal. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Dust deposits should not be allowed to accumulate on surfac- es, as these may form an explosive mixture if they are re- leased into the atmosphere in sufficient concentration. 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	:	Static electricity may accumulate and ignite suspended dust causing an explosion. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
Local/Total ventilation	:	If sufficient ventilation is unavailable, use with local exhaust ventilation.
Advice on safe handling	:	Do not get on skin or clothing. Do not breathe dust. Do not swallow. Do not get in eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment Keep container tightly closed. Minimize dust generation and accumulation. Keep container closed when not in use. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the
Hygiene measures	:	environment. If exposure to chemical is likely during typical use, provide eye



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Cond	itions for safe storage	flushing systems place. When using do n Contaminated w workplace. Wash contamina The effective op engineering con appropriate deguindustrial hygien use of administri Keep in properly Store locked up Keep tightly clos Store in accorda	s and safety showers close to the working not eat, drink or smoke. Fork clothing should not be allowed out of the ated clothing before re-use. eration of a facility should include review of trols, proper personal protective equipment, owning and decontamination procedures, he monitoring, medical surveillance and the ative controls. I labelled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components 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 information: DSEN				
		Wipe limit	100 µg/100 cm ²	Internal	

Engineering measures	:	Use feasible engineering controls to minimize exposure to compound. All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment.
Personal protective equipme	ent	
Respiratory protection Filter type Hand protection	:	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Particulates type
Material	:	Chemical-resistant gloves
Eye protection	:	Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a



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Skin	and body protection	:	potential for direc aerosols. Work uniform or l	t contact to the face with dusts, mists, or aboratory coat.
SECTION	9. PHYSICAL AND CHI	EMIC	CAL PROPERTIE	S
Арре	arance	:	powder	
Colou	ır	:	light yellow	
Odou	ır	:	No data available	e
Odou	ır Threshold	:	No data available	e
рН		:	1.5 - 3.0	
Meltir	ng point/freezing point	:	No data available	e
Initial range	boiling point and boiling	:	No data available	e
Flash	point	:	Not applicable	
Evap	oration rate	:	Not applicable	
Flam	mability (solid, gas)	:	May form explos dling or other me	ive dust-air mixture during processing, han eans.
Flam	mability (liquids)	:	Not applicable	
	r explosion limit / Upper nability limit	:	No data available	9
	r explosion limit / Lower nability limit	:	No data available	e
Vapo	ur pressure	:	Not applicable	
Relat	ive vapour density	:	Not applicable	
Relat	ive density	:	No data available	e
Dens	ity	:	No data available	e
	pility(ies) ater solubility	:	No data available	e
	ion coefficient: n- ol/water	:	No data available	e
	ignition temperature	:	No data available	e
Deco	mposition temperature	:	No data available	e



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	osity scosity, kinematic osive properties	: Not applicat : Not explosiv	
Molec	zing properties cular weight cle characteristics cle size	The substarNo data avaNo data ava	

SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reac- tions	: :	Not classified as a reactivity hazard. Stable under normal conditions. May form explosive dust-air mixture during processing, han- dling or other means. Can react with strong oxidizing agents.
Conditions to avoid	:	Heat, flames and sparks. Avoid dust formation.
Incompatible materials Hazardous decomposition products	:	Oxidizing agents

SECTION 11. TOXICOLOGICAL INFORMATION

Exposure routes	:	Inhalation Skin contact Ingestion Eye contact
Acute toxicity		
Not classified based on ava	ilable	information.
Components:		
oxytetracycline:		
Acute oral toxicity	:	LD50 (Rat): 4,800 mg/kg
		LD50 (Mouse): 2,240 mg/kg Remarks: Evidence of phototoxicity was observed
Acute inhalation toxicity	:	Remarks: No data available
Acute dermal toxicity	:	Remarks: No data available
Acute toxicity (other routes a administration)	of :	LD50 (Rat): 4,840 mg/kg Application Route: Intramuscular





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			LD50 (Mouse): 3 Application Route	e: Subcutaneous
-	corrosion/irritation			
_	es severe burns.			
	ponents:			
oxyte Rema	etracycline: arks	:	No data available	e
	ous eye damage/eye es serious eye damag		on	
	ponents:	<i>.</i>		
	etracycline:			
Rema	-	:	No data available	9
Resp	iratory or skin sensi	tisatio	n	
•••••	sensitisation cause an allergic skin	reactio	n.	
-	iratory sensitisation lassified based on ava		information.	
Com	ponents:			
oxyte	etracycline:			
Test Resu		:	Human repeat in Sensitiser	sult patch test (HRIPT)
Chro	nic toxicity			
	n cell mutagenicity			
	lassified based on ava	ailable	information.	
	ponents:			
-	etracycline: otoxicity in vitro		Test Type: Micro	bial mutagenesis assay (Ames test)
Geno		•	Result: negative	ibiai mulayenesis assay (Ames lesi)
			Test Type: Mous Metabolic activat Result: positive	e Lymphoma tion: Metabolic activation
				chromatid exchange assay inese hamster ovary cells I



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		Test Type: Cl Result: negat	nromosomal aberration ive
Geno	otoxicity in vivo	Species: Mou Cell type: Bor Application R Result: equive Test Type: in Species: Mou Application R	ne marrow oute: Oral ocal vivo assay ise oute: Intraperitoneal injection
	n cell mutagenicity - ssment	Result: negat : Weight of evi cell mutagen.	dence does not support classification as a germ
Not c	inogenicity lassified based on avai ponents:	able information.	
	etracycline:		
Spec Appli	ies cation Route sure time	: Mouse : Oral : 104 weeks : negative	
Expo Resu	cation Route sure time It et Organs		l, Pituitary gland sm or mode of action may not be relevant in hu-
Carci ment	nogenicity - Assess-	: Weight of evi cinogen	dence does not support classification as a car-
May	oductive toxicity damage the unborn chil	d.	
	ponents:		
-	etracycline: ts on fertility	Species: Rat Application R Fertility: NOA Result: No eff	vo-generation reproduction toxicity study oute: Oral EL: 18 mg/kg body weight fects on fertility, No effect on reproduction capac- cant adverse effects were reported



rsion	Revision Date: 06.04.2024	SDS Number: 6008062-00011	Date of last issue: 30.09.2023 Date of first issue: 05.06.2020
Effect ment	s on foetal develop-	Species: Rat Application F Embryo-foet Result: Posti Test Type: E Species: Rat Application F General Tox Embryo-foet Result: No te	Route: Oral al toxicity: LOAEL: 48 mg/kg body weight mplantation loss., Skeletal malformations mbryo-foetal development
		Test Type: E Species: Mo Application F General Tox Embryo-foet Result: No te	mbryo-foetal development use
		Species: Ral Application F Embryo-foet	mbryo-foetal development obit Route: Intramuscular al toxicity: LOAEL: 41.5 mg/kg body weight mplantation loss., No foetal abnormalities
		Species: Dog Application F Embryo-foet	mbryo-foetal development g Route: Intramuscular al toxicity: LOAEL: 20.75 mg/kg body weight etal and visceral variations, Postimplantation lo
Repro sessn	oductive toxicity - As- nent		ence of adverse effects on development from miological studies.

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Repeated dose toxicity

Components:

oxytetracycline:

Species	:	Rat
LOAEL	:	198 mg/kg
Application Route	:	Oral
Exposure time	:	13 Weeks



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Targe Rema	et Organs arks	: Bone : No signi	ficant adverse effects were reported
Expo Targe Rema Spec NOA LOAE Appli	EL cation Route sure time et Organs arks ies EL	: Mouse : 7,990 m : Oral : 13 Week : Bone : No signit : Dog : 125 mg/ : 250 mg/ : Oral : 12 Mont	ks ficant adverse effects were reported kg kg
	et Organs	: Testis	ant toxicity observed in testing
Expo	EL	: Rat : 40 mg/kg : 100 mg/ : Intraperi : 14 Days : Kidney	kg toneal
Not c	ration toxicity classified based on availa crience with human exp		on.
Com	ponents:		
oxyte Inges	etracycline: stion		ns: Gastrointestinal disturbance, tooth discoloratior s: May cause birth defects.
ECTION	12. ECOLOGICAL INF	ORMATION	
Ecot	oxicity		
Com	ponents:		
oxyte	etracycline:		
Toxic	sity to fish	Exposur	Oryzias latipes (Japanese medaka)): 110 mg/l re time: 96 h OECD Test Guideline 203
	ity to daphnia and other tic invertebrates	Exposur	Daphnia magna (Water flea)): 621 mg/l re time: 48 h OECD Test Guideline 202
		EC50 (D	Daphnia magna (Water flea)): 669 mg/l
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			Exposure time: 4	48 h Test Guideline 202
Toxici plants	ity to algae/aquatic	:	EC50 (Anabaen Exposure time:	
			NOEC (Anabae Exposure time:	na): 0.0031 mg/l 72 h
Toxici	ity to microorganisms	:		
				3 h biration inhibition Test Guideline 209
	stence and degradabi ata available	lity		
	ccumulative potential ata available			
	lity in soil ata available			
	r adverse effects ata available			
SECTION	13. DISPOSAL CONS	IDER	ATIONS	
-	osal methods e from residues	:		of waste into sewer.
Conta	aminated packaging	:	Empty container dling site for rec	cordance with local regulations. rs should be taken to an approved waste han- ycling or disposal. specified: Dispose of as unused product.
SECTION	14. TRANSPORT INFO	ORM	ATION	`
Interr	national Regulations			

UNRTDG UN number	:	UN 3077
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (oxytetracycline)
Class	:	9
Packing group	:	111





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	Labels Environ	mentally hazardous	:	9 yes		
l L	I ATA-D UN/ID I	GR	:	UN 3077 Environmentally h (oxytetracycline)	nazardous substance, solid, n.o.s.	
F L F a F S	Labels Packing aircraft) Packing ger airc	g instruction (passen- craft)	:	9 III Miscellaneous 956 956		
l l	I MDG-(UN nun		:	N.O.S.	ALLY HAZARDOUS SUBSTANCE, SOLID,	
F L E	Labels EmS C	g group ode pollutant	:	(oxytetracycline) 9 III 9 F-A, S-F yes		
	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.					
		al Regulations	0.001			
ι	ADG UN nun Proper	nber shipping name	:	N.O.S.	ALLY HAZARDOUS SUBSTANCE, SOLID,	
F	Labels	g group em Code	:	(oxytetracycline) 9 III 9 2Z		

Hazchem Code : 2Z 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 : No poison schedule number allocated (Please use the original



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			publication to check for specific uses, specific conditions or threshold limits that might apply for this chemical)			
Prohib	Prohibition/Licensing Requirements			:	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 product are reported in the following inventories:						
DSL		:	not determined			
AICS		:	not determined			
IECSC	;	:	not determined			

SECTION 16: ANY OTHER RELEVANT INFORMATION

Further information

Revision Date Sources of key data used to compile the Safety Data Sheet	:	06.04.2024 Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/
Date format	:	dd.mm.yyyy

Full text of other abbreviations

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, Bioaccumu-



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lative 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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