According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



# **Doxycycline Formulation**

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
4.3	28.09.2024	9374467-00010	Date of first issue: 27.08.2021

#### **SECTION 1:** Identification of the substance/mixture and of the company/undertaking

1.1	Product identifier Trade name	:	Doxycycline Formulation			
1.2	Relevant identified uses of th	ne s	ubstance or mixture and uses advised against			
	Use of the Sub- stance/Mixture		Veterinary product			
	Recommended restrictions on use	:	Not applicable			
1.3	1.3 Details of the supplier of the safety data sheet					
	Company	:	MSD Walton Manor, Walton MK7 7AJ Milton Keynes - United Kingdom			
	Telephone	:	+1-908-740-4000			
	E-mail address of person responsible for the SDS	:	EHSDATASTEWARD@msd.com			

#### **1.4 Emergency telephone number**

+1-908-423-6000

#### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

# Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Skin corrosion, Category 1 Serious eye damage, Category 1 Short-term (acute) aquatic hazard, Category 1 Long-term (chronic) aquatic hazard, Category 2 H314: Causes severe skin burns and eye damage. H318: Causes serious eye damage.

H400: Very toxic to aquatic life.

H411: Toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



# **Doxycycline Formulation**

Version 4.3	Revision Date: 28.09.2024		9S Number: 74467-00010	Date of last issue: 06.04.2024 Date of first issue: 27.08.2021
Haza	rd pictograms	:		V 73
Signa	al word	: [	Danger	•
Haza	rd statements			es severe skin burns and eye damage. toxic to aquatic life with long lasting effects.
Preca	autionary statements	   	P273 Avoid P280 Wear	ot breathe dust. I release to the environment. protective gloves/ protective clothing/ eye ction/ face protection.
		I	Response:	
		F	P303 + P361 + P3 imme with v CEN	53 + P310 IF ON SKIN (or hair): Take off diately all contaminated clothing. Rinse skin vater or shower. Immediately call a POISON FER/ doctor. 38 + P310 IF IN EYES: Rinse cautiously
		F	lense ing. li	vater for several minutes. Remove contact s, if present and easy to do. Continue rins- mmediately call a POISON CENTER/ doctor. ct spillage.

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

May form explosive dust-air mixture during processing, handling or other means.

#### **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Doxycycline Hyclate	24390-14-5	Acute Tox. 4; H302 Aquatic Acute 1; H400 Aquatic Chronic 2; H411	>= 50 - < 70

For explanation of abbreviations see section 16.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



# **Doxycycline Formulation**

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
4.3	28.09.2024	9374467-00010	Date of first issue: 27.08.2021

#### **SECTION 4: First aid measures**

4.1 Description of 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.		
Protection of first-aiders	:	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).		
If inhaled	:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.		
In case of skin contact	:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. 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 immediately.		
If swallowed	:	If swallowed, DO NOT induce vomiting. If vomiting occurs have person lean forward. Call a physician or poison control centre immediately. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.		
4.2 Most important symptoms	and e	ffects, both acute and delayed		
Risks	:	Causes serious eye damage. Causes severe burns.		
		Causes digestive tract burns.		
4.3 Indication of any immediate	e med	ical attention and special treatment needed		
Treatment	:	Treat symptomatically and supportively.		
SECTION 5: Firefighting measures				

5.1	Exting	uishina	g media
••••	EXCIN	gaioini	ginoaia

Suitable extinguishing media	:	Water s

Water spray Alcohol-resistant foam According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



# **Doxycycline Formulation**

Vers 4.3	sion	Revision Date: 28.09.2024		OS Number: 74467-00010	Date of last issue: 06.04.2024 Date of first issue: 27.08.2021
				Carbon dioxide (0 Dry chemical	CO2)
	Unsuita media	able extinguishing	:	None known.	
5.2 \$	Special	hazards arising from	the	substance or mi	xture
	Specific hazards during fire- fighting		:	concentrations, a potential dust exp	dust; fine dust dispersed in air in sufficient nd in the presence of an ignition source is a plosion hazard. pustion products may be a hazard to health.
	Hazard ucts	lous combustion prod-	:	Carbon oxides	
5.3 A	Advice	for firefighters			
	Specia for firef	I protective equipment ighters	:		e, wear self-contained breathing apparatus. tective equipment.
	Specifi ods	c extinguishing meth-	:	cumstances and Use water spray	g measures that are appropriate to local cir- the surrounding environment. to cool unopened containers. ged containers from fire area if it is safe to do

### **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).

#### **6.2 Environmental precautions**

Environmental precautions	: Avoid release to the environment.
	Prevent further leakage or spillage if safe to do so.
	Retain and dispose of contaminated wash water.
	If spillage enters rivers or watercourses, inform the Environ-
	ment Agency (emergency telephone number 0800 807060).

### 6.3 Methods and material for containment and cleaning up

Methods for 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-

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



# **Doxycycline Formulation**

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
4.3	28.09.2024	9374467-00010	Date of first issue: 27.08.2021
		employed in the mine which reg Sections 13 an	aterial, as well as those materials and items e cleanup of releases. You will need to deter- ulations are applicable. d 15 of this SDS provide information regarding national requirements.

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

#### **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

7.1 Trecautions for sale nationing		
Technical measures	:	Static electricity may accumulate and ignite suspended dust causing an explosion. Provide adequate precautions, such as electrical grounding
Local/Total ventilation		and bonding, or inert atmospheres. 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 environment.
Hygiene measures	:	If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contami- nated clothing before re-use.
		The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.
7.2 Conditions for safe storage, in	ncl	uding any incompatibilities
Requirements for storage areas and containers	:	Keep in properly labelled containers. Store locked up. Keep tightly closed. Store in accordance with the particular national regulations.
Advice on common storage	:	Do not store with the following product types:

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



# **Doxycycline Formulation**

Version 4.3	Revision Date: 28.09.2024	SDS Number: 9374467-00010	Date of last issue: 06.04.2024 Date of first issue: 27.08.2021
		Explosives	
7.3 Specific end use(s) Specific use(s)		: No data availab	le

### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

#### **Occupational Exposure Limits**

dust of any kind

10 mg/m3 Value type (Form of exposure): TWA (Inhalable) Basis: GB EH40

4 mg/m3

Value type (Form of exposure): TWA (Respirable fraction) Basis: GB EH40

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Doxycycline Hy- clate	24390-14-5	TWA	OEL = 100 µg/m3 (OEB 2)	Internal

#### **Predicted No Effect Concentration (PNEC)**

Substance name	Environmental Compartment	Value
Doxycycline Hyclate	Water	0.0003 mg/l

#### 8.2 Exposure controls

#### 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 equipment

Eye/face 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 potential for direct contact to the face with dusts, mists, or aerosols.
Hand protection Material	:	Chemical-resistant gloves
Skin and body protection Respiratory protection	:	Work uniform or laboratory coat. If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Equipment should conform to BS EN 143
Filter type	:	Particulates type (P)

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



# **Doxycycline Formulation**

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
4.3	28.09.2024	9374467-00010	Date of first issue: 27.08.2021

#### **SECTION 9: Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties

Appearance Colour Odour Odour Threshold	:	powder light yellow No data available No data available
рН	:	1.5 - 3.5
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	May form explosive dust-air mixture during processing, han- dling or other means.
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	Not applicable
Relative vapour density	:	Not applicable
Relative density	:	No data available
Density	:	No data available
Solubility(ies) Water solubility Partition coefficient: n- octanol/water Auto-ignition temperature	:	No data available Not applicable No data available
Decomposition temperature		No data available
Viscosity	•	
Viscosity, kinematic	:	Not applicable
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

#### 9.2 Other information

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



# **Doxycycline Formulation**

Version 4.3	Revision Date: 28.09.2024	SDS Number: 9374467-00010	Date of last issue: 06.04.2024 Date of first issue: 27.08.2021	
Flan	nmability (liquids)	: Not applicable		
Molecular weight		: No data available		
Particle size		: No data availa	able	

#### **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

Not classified as a reactivity hazard.

#### 10.2 Chemical stability

Stable under normal conditions.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions	: May form explosive dust-air mixture during processing, han- dling or other means. Can react with strong oxidizing agents.
10.4 Conditions to avoid	
Conditions to avoid	: Heat, flames and sparks. Avoid dust formation.
10.5 Incompatible materials	
Materials to avoid	: Oxidizing agents

### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

#### **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects

Information on likely routes of	:	Inhalation
exposure		Skin contact
		Ingestion
		Eye contact

#### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity	:	Acute toxicity estimate: > 2,000 mg/kg
		Method: Calculation method

#### Components:

#### **Doxycycline Hyclate:**

Acute oral toxicity

: LD50 (Rat): 2,000 mg/kg

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



# **Doxycycline Formulation**

Version 4.3	Revision Date: 28.09.2024		9S Number: 74467-00010	Date of last issue: 06.04.2024 Date of first issue: 27.08.2021
			LD50 (Mouse): 1,	870 mg/kg
			LD50 (Dog): 500	mg/kg
	Acute toxicity (other routes of administration)		LD50 (Rat): 222 r Application Route	
Caus	corrosion/irritation ses severe burns.			
	ponents:			
Doxy Rema	<b>/cycline Hyclate:</b> arks	:	No data available May irritate skin.	
Caus	ous eye damage/eye in ses serious eye damage ponents:		on	
	/cycline Hyclate:			
Rema		:	No data available May irritate eyes.	
Resp	piratory or skin sensiti	satio	n	
-	sensitisation classified based on avail	able	information.	
•	<b>biratory sensitisation</b> classified based on avail	able	information.	
<u>Com</u>	ponents:			
<b>Doxy</b> Rema	<b>/cycline Hyclate:</b> arks	:		isation by skin contact. isation of susceptible persons by skin con-
	n <b>cell mutagenicity</b> lassified based on avail	able	information.	
<u>Com</u>	ponents:			
	vcycline Hyclate: otoxicity in vitro	:	Test system: Chir Result: Weakly po	nosome aberration test in vitro nese hamster cells ositive on data from similar materials

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



# **Doxycycline Formulation**

Version 4.3	Revision Date: 28.09.2024	SDS Number: 9374467-00010	Date of last issue: 06.04.2024 Date of first issue: 27.08.2021
		Test system: C Result: negative	tro mammalian cell gene mutation test hinese hamster cells e d on data from similar materials
Genotoxicity in vivo		<ul> <li>Test Type: In vivo micronucleus test Species: Mouse Application Route: Oral Result: negative Remarks: Based on data from similar materials</li> </ul>	

#### Carcinogenicity

Not classified based on available information.

#### **Components:**

#### Doxycycline Hyclate:

:	Rat
:	Oral
:	2 Years
:	200 mg/kg body weight
:	females
:	Uterus (including cervix)
:	Benign tumor(s)
	:

#### Reproductive toxicity

Not classified based on available information.

#### Components:

#### Doxycycline Hyclate:

Effects on foetal develop- ment	:	Test Type: Fertility/early embryonic development Species: Rat, females Application Route: Oral General Toxicity Maternal: NOAEL: 250 mg/kg body weight Result: No adverse effects
		Result: No adverse effects

Test Type: Fertility/early embryonic development Species: Rat, male Application Route: Oral General Toxicity Maternal: NOAEL: 50 mg/kg body weight Symptoms: male reproductive effects

Remarks: Fertility and developmental toxicity tests did not reveal any effect on reproduction.

#### STOT - single exposure

Not classified based on available information.

#### STOT - repeated exposure

Not classified based on available information.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



# **Doxycycline Formulation**

Version 4.3	Revision Date: 28.09.2024		DS Number: 374467-00010	Date of last issue: 06.04.2024 Date of first issue: 27.08.2021				
Repe	eated dose toxicity							
Com	Components:							
Doxy	cycline Hyclate:							
Expo			Rat 25 mg/kg Oral 28 d Thyroid effects					
•	ration toxicity lassified based on avai	lable	information.					
Expe	Experience with human exposure							
<u>Com</u>	ponents:							
Doxy	cycline Hyclate:							
Gene	eral Information	:	May cause Target Organs: T Symptoms: Gastr	eeth ointestinal disturbance				
Skin	contact	:	Remarks: May ca	use photosensitisation.				
Furth	ner information							
Com	ponents:							
-	cycline Hyclate:							
Rema	arks	:	Well tolerated in o	clinical use				

### **SECTION 12: Ecological information**

#### 12.1 Toxicity

Components:						
<b>Doxycycline Hyclate:</b> Toxicity to algae/aquatic plants	:	EC10 (Anabaena flos-aquae): 0.251 mg/l End point: Growth rate Exposure time: 72 h				
Ecotoxicology Assessment						
Acute aquatic toxicity	:	Very toxic to aquatic life.				
Chronic aquatic toxicity	:	Toxic to aquatic life with long lasting effects.				
2 Persistence and degradability						

### 12.2 Persistence and degradability

No data available

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



# **Doxycycline Formulation**

Version 4.3	Revision Date: 28.09.2024	•	DS Number: 374467-00010	Date of last issue: 06.04.2024 Date of first issue: 27.08.2021				
12.3 Bioa	12.3 Bioaccumulative potential							
Com	ponents:							
Partit	<b>cycline Hyclate:</b> ion coefficient: n- ol/water	:	log Pow: 0.02					
	<b>12.4 Mobility in soil</b> No data available							
12.5 Resu	Ilts of PBT and vPvB a	isse	ssment					
Prod Asse	<u>uct:</u> ssment	:	to be either persi	nixture contains no components considered stent, bioaccumulative and toxic (PBT), or nd very bioaccumulative (vPvB) at levels of				
12.6 Othe	12.6 Other adverse effects							
<b>Prod</b> Endo tial	uct: crine disrupting poten-	:	ered to have end	nixture does not contain components consid- ocrine disrupting properties for environment REACH Article 57(f).				

#### **SECTION 13: Disposal considerations**

13.1 Waste treatment methods	
Product	<ul> <li>Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.</li> <li>Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.</li> <li>Do not dispose of waste into sewer.</li> </ul>
Contaminated packaging	<ul> <li>Empty containers should be taken to an approved waste han- dling site for recycling or disposal.</li> <li>If not otherwise specified: Dispose of as unused product.</li> </ul>

#### **SECTION 14: Transport information**

#### 14.1 UN number

ADN	:	UN 3077
ADR	:	UN 3077
RID	:	UN 3077
IMDG	:	UN 3077
ΙΑΤΑ	:	UN 3077

14.2 UN proper shipping name

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



# **Doxycycline Formulation**

Versi 4.3	ion	Revision Date: 28.09.2024		0S Number: 74467-00010	Date of last issue: 06.04.2024 Date of first issue: 27.08.2021
	ADN		:	ENVIRONMENTA N.O.S. (Doxycycline Hyc	ALLY HAZARDOUS SUBSTANCE, SOLID,
	ADR		:	ENVIRONMENT/ N.O.S. (Doxycycline Hyc	ALLY HAZARDOUS SUBSTANCE, SOLID,
	RID		:	ENVIRONMENT/ N.O.S. (Doxycycline Hyc	ALLY HAZARDOUS SUBSTANCE, SOLID,
	IMDG		:		ALLY HAZARDOUS SUBSTANCE, SOLID,
	ΙΑΤΑ		:	Environmentally I (Doxycycline Hyc	nazardous substance, solid, n.o.s. late)
14.3	Trans	port hazard class(es)			
				Class	Subsidiary risks
	ADN		:	9	
	ADR		:	9	
	RID		:	9	
	IMDG		:	9	
	ΙΑΤΑ		:	9	
14.4	Packir	ng group			
	ADN				
	Classif	g group ication Code I Identification Number	:	III M7 90 9	
	Classif Hazarc Labels	g group ication Code I Identification Number restriction code	: : : : :	III M7 90 9 (-)	
	<b>RID</b> Packin Classif	g group ication Code I Identification Number	:	III M7 90 9	
	<b>IMDG</b> Packin Labels EmS C		:	III 9 F-A, S-F	
I	IATA (	Cargo)			



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

# **Doxycycline Formulation**

Ver 4.3	sion	Revision Date: 28.09.2024		OS Number: 74467-00010	Date of last issue: 06.04.2024 Date of first issue: 27.08.2021		
	aircraft Packin	g instruction (cargo ) g instruction (LQ) g group		956 Y956 III Miscellaneous			
	Packing ger airc Packing	Passenger) g instruction (passen- craft) g instruction (LQ) g group	:	956 Y956 III Miscellaneous			
14.	14.5 Environmental hazards						
	<b>ADN</b> Enviror	nmentally hazardous	:	yes			
	<b>ADR</b> Enviror	nmentally hazardous	:	yes			
	<b>RID</b> Enviror	nmentally hazardous	:	yes			
	<b>IMDG</b> Marine	pollutant	:	yes			
		Passenger) nmentally hazardous	:	yes			
	<b>IATA (</b> Enviror	<b>Cargo)</b> nmentally hazardous	:	yes			
14.	14.6 Special precautions for user						
	The tra	insport classification(s)	) pro	vided herein are fo	or informational purposes only, and solely		

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.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Remarks : Not applicable for product as supplied.

#### **SECTION 15: Regulatory information**

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17)	:	Not applicable
UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation	:	Not applicable
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)	:	Not applicable
Regulation (EC) on substances that deplete the ozone	:	Not applicable

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

# **Doxycycline Formulation**

Version 4.3	Revision Date: 28.09.2024	SDS Number: 9374467-00010	Date of last issue: 06.04.2 Date of first issue: 27.08.2		
layer UK REACH List of substances subject to authorisation : Not applicable (Annex XIV) GB Export and import of hazardous chemicals - Prior : Not applicable Informed Consent (PIC) Regulation					
Control of Major Accident Hazards Regulations 2015 (COMAH)					
E1		ENVIRONMEN <sup>-</sup> HAZARDS	Quantity 1 TAL 100 t	Quantity 2 200 t	

#### Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

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

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

#### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

#### **SECTION 16: Other information** Other information Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines. **Full text of H-Statements** H302 Harmful if swallowed. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects. Full text of other abbreviations Acute Tox. Acute toxicity Short-term (acute) aquatic hazard Aquatic Acute Aquatic Chronic Long-term (chronic) aquatic hazard GB EH40 : UK. EH40 WEL - Workplace Exposure Limits GB EH40 / TWA Long-term exposure limit (8-hour TWA reference period) ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regula-

tion (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; 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 as-



# Doxycycline Formulation

UK REACH Regulations SI 2019/758

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
4.3	28.09.2024	9374467-00010	Date of first issue: 27.08.2021

sociated with x% growth rate response; 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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; 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

#### Further information

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/

Classification of the m	nixture:	Classification procedure:		
Skin Corr. 1	H314	Based on product data or assessment		
Eye Dam. 1	H318	Based on product data or assessment		
Aquatic Acute 1	H400	Calculation method		
Aquatic Chronic 2	H411	Calculation method		

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.

GB / EN