

# **Clanobutin Formulation**

Version 3.5	Revision Date: 06.04.2024		S Number: 7485-00012	Date of last issue: 30.09.2023 Date of first issue: 09.11.2018
	1: IDENTIFICATION uct name	:	Clanobutin Form	ulation
Manu	facturer or supplier's	detai	ls	
Comp	bany	:	Intervet Australia	a Pty Limited (trading as MSD Animal Health
Addre	Address		91-105 Harpin S Bendigo 3550, V	treet /ictoria Austrailia
Telep	hone	:	1 800 033 461	
Emer	gency telephone numbe	er :	Poisons Informa	tion Centre: Phone 13 11 26
E-ma	E-mail address		EHSDATASTEV	/ARD@msd.com
Reco	mmended use of the c	hem	ical and restriction	ons on use
	Recommended use Restrictions on use		Veterinary produ Not applicable	ict

### SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Skin corrosion/irritation	:	Category 2
Serious eye damage/eye irri- tation	:	Category 2B
GHS label elements Hazard pictograms	:	
Signal word	:	Warning
Hazard statements	:	H315 + H320 Causes skin and eye irritation.
Precautionary statements	:	<b>Prevention:</b> P264 Wash skin thoroughly after handling. P280 Wear protective gloves.
		Response: 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. P332 + P313 If skin irritation occurs: Get medical advice/ atten-



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tion. P337 + P313 If eye irritation persists: Get medical advice/ attention. P362 + P364 Take off contaminated clothing and wash it before reuse.

# Other hazards which do not result in classification None known.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Clanobutin	30544-61-7	>= 10 -< 20

#### **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. Get medical attention if symptoms occur.
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. 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 if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	:	Causes skin and eye irritation.
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).
Notes to physician	:	Treat symptomatically and supportively.

### **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media	:	Water spray
		Alcohol-resistant foam
		Carbon dioxide (CO2)



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media Specifi fighting Hazaro ucts Specifi ods	able extinguishing c hazards during fire- dous combustion prod- c extinguishing meth-	: : :	Exposure to comb Carbon oxides Nitrogen oxides (N Use extinguishing cumstances and t Use water spray t Remove undamag so. Evacuate area.	n explosive mixtures with air. bustion products may be a hazard to health. NOx) measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do
for fire	fighters		Use personal prot	
	6. ACCIDENTAL RELE			
tive eq	nal precautions, protec- uipment and emer- procedures	:		ective equipment. ing advice (see section 7) and personal pro- recommendations (see section 8).
Enviro	nmental precautions	:	Prevent spreading barriers). Retain and dispos	akage or spillage if safe to do so. g over a wide area (e.g. by containment or oil se of contaminated wash water. should be advised if significant spillages
	ds and materials for ment and cleaning up	:	For large spills, pr ment to keep mate be pumped, store Clean up remaining bent. Local or national r posal of this mate employed in the c mine which regular Sections 13 and 1	absorbent material. Tovide dyking or other appropriate contain- erial from spreading. If dyked material can recovered material in appropriate container. In materials from spill with suitable absor- regulations may apply to releases and dis- rial, as well as those materials and items leanup of releases. You will need to deter- ations are applicable. 5 of this SDS provide information regarding tional requirements.

### SECTION 7. HANDLING AND STORAGE

Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation Advice on safe handling		Use only with adequate ventilation. Do not get on skin or clothing.



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Hyg	iene measures	Do not swallo Do not get in Wash skin the Handle in acc practice, base sessment Take care to environment. If exposure to flushing syste place. When using of Wash contam The effective engineering of appropriate d industrial hyg	
	ditions for safe storage erials to avoid	<ul> <li>Keep in properly labelled containers.</li> <li>Store in accordance with the particular national regulation</li> <li>Do not store with the following product types: Strong oxidizing agents</li> </ul>	

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	CAS-No. Value type ( (Form of t exposure) (		Basis
Clanobutin	30544-61-7	TWA	0.3 mg/m3 (OEB 2)	Internal

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				
Respiratory 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			
Hand protection				
Material :	Chemical-resistant gloves			
Eye protection :	Wear safety glasses with side shields or goggles.			



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Skin	and body protection	:	mists or aeroso Wear a faceshie potential for dire aerosols.	ronment or activity involves dusty conditions, ls, wear the appropriate goggles. eld or other full face protection if there is a ect contact to the face with dusts, mists, or r laboratory coat.
SECTION	9. PHYSICAL AND CHI	EMIC	CAL PROPERTI	ES
Appe	arance	:	liquid	
Colou	ır	:	No data availa	ble
Odou	ir	:	No data availa	ble
Odou	Ir Threshold	:	No data availa	ble
рН		:	No data availa	ble
Meltir	ng point/freezing point	:	No data availal	ble
Initial range	boiling point and boiling	:	No data availa	ble
Flash	point	:	93.4 °C	
Evap	oration rate	:	No data availa	ble
Flam	mability (solid, gas)	:	Not applicable	
Flam	mability (liquids)	:	Not applicable	
	r explosion limit / Upper nability limit	:	No data availa	ble
	r explosion limit / Lower nability limit	:	No data availa	ble
Vapo	ur pressure	:	No data availa	ble
Relat	ive vapour density	:	No data availa	ble
Relat	ive density	:	No data availa	ble
Dens	ity	:	No data availa	ble
	pility(ies) ater solubility	:	soluble	
So	olubility in other solvents	:	No data availa	ble
Partit	ion coefficient: n-	:	Not applicable	



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	ol/water ignition temperature	:	No data availabl	e
Deco	mposition temperature	:	No data availabl	e
Visco Vi	sity scosity, kinematic	:	No data availabl	e
Explo	osive properties	:	Not explosive	
Oxidi	zing properties	:	The substance c	or mixture is not classified as oxidizing.
Moleo	cular weight	:	No data availabl	e
	cle characteristics cle size	:	Not applicable	
ECTION	10. STABILITY AND RI	EAC	ΤΙVITY	
	tivity nical stability ibility of hazardous reac-	:	Stable under nor	a reactivity hazard. mal conditions. m explosive mixture with air.

Possibility of hazardous reac- tions	:	Vapours may form explosive mixture with air. 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 available information.

### Components:

### Clanobutin:

Acute oral toxicity	:	LD50 (Rat): > 2,000 mg/kg
Acute toxicity (other routes of administration)	:	LD50 (Rat): 570 mg/kg Application Route: Intravenous

### Skin corrosion/irritation

Causes skin irritation.



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Com	ponents:		
Cland	obutin:		
Resu		: irritating	
	es eye damage/eye	irritation	
Com	ponents:		
Clane	obutin:		
Resu	lt	: Severe irritation	on
Resp	iratory or skin sensi	tisation	
-	<b>sensitisation</b> lassified based on ava	ailable information.	
-	<b>iratory sensitisation</b> lassified based on ava		
Chro	nic toxicity		
	n cell mutagenicity lassified based on ava	ailable information.	
	i <b>nogenicity</b> lassified based on ava	ailable information.	
•	oductive toxicity lassified based on ava	ailable information.	
Com	ponents:		
	obutin: ts on foetal develop-	: Test Type: De Species: Rat Application Ro Developmenta	
		Test Type: De Species: Rabb Application Ro Developmenta	bit
	<b>Γ - single exposure</b> lassified based on ava	ailable information.	
<u>Com</u>	ponents:		
Clane	obutin:		
Evno	sure routes	: Inhalation	

: Inhalation



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	Assessi	ment	:	May cause respira	atory irritation.	
		repeated exposure ssified based on availa	ble	information.		
	Repeat	ed dose toxicity				
	<u>Compo</u>	nents:				
	Components: Clanobutin: Species LOAEL Application Route Exposure time Target Organs Symptoms Species NOAEL LOAEL Application Route Exposure time Target Organs Species NOAEL LOAEL Application Route Exposure time Target Organs			<ul> <li>Dog</li> <li>500 mg/kg</li> <li>Oral</li> <li>4 Weeks</li> <li>Central nervous system</li> <li>Tremors, Disorientation</li> <li>Rat</li> <li>300 mg/kg</li> <li>500 mg/kg</li> <li>Oral</li> <li>6 Months</li> <li>Kidney, Liver, Thyroid</li> <li>Dog</li> <li>300 mg/kg</li> <li>Oral</li> <li>Dog</li> <li>300 mg/kg</li> <li>Gon mg/kg</li> <li>Gon mg/kg</li> <li>Gon mg/kg</li> <li>Gon mg/kg</li> <li>Gon mg/kg</li> <li>Gon mg/kg</li> <li>Kidney, Liver, Thyroid</li> </ul>		
	-	t <b>ion toxicity</b> Ssified based on availa	ble	information.		
SEC		2. ECOLOGICAL INFO				
•=•						
	Ecotox	icity				
	<u>Compo</u>	nents:				
	Clanob	utin:				
		icology Assessment quatic toxicity	:	Toxic effects cann	ot be excluded	
	Chronic	aquatic toxicity	:	Toxic effects cann	ot be excluded	

### Persistence and degradability

No data available



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<b>D</b> '				
Bload	ccumulative potentia	al		
No da	ata available			

**Mobility in soil** No data available

### Other adverse effects

No data available

### SECTION 13. DISPOSAL CONSIDERATIONS

#### **Disposal methods**

Waste from residues	:	Do not dispose of waste into sewer.
		Dispose of in accordance with local regulations.
Contaminated packaging	:	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 Proper shipping name Class Subsidiary risk Packing group Labels Environmentally hazardous	Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable no
IATA-DGR UN/ID No. Proper shipping name Class Subsidiary risk Packing group Labels Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft)	Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable
IMDG-Code UN number Proper shipping name Class Subsidiary risk Packing group Labels EmS Code Marine pollutant	Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable



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

Not applicable for product as supplied.

### National Regulations

ADG		
UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
Hazchem Code	:	Not applicable

Special precautions for user

Not applicable

### **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<br/>publication to check for specific uses, specific conditions or<br/>threshold limits that might apply for this chemical)

Prohibition/Licensing Requirements

: There is no applicable prohibition, authorisation and restricted use requirements, including for carcinogens referred to in Schedule 10 of the model WHS Act and Regulations.

#### 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 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



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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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