



Version 3.1	Revision Date: 30.09.2023	-	S Number: 253-00016		sue: 04.04.2023 sue: 02.05.2016
Sectior	n 1: Identification				
Pro	oduct name	:	Imidocarb Injection	on Formulation	
Ма	nufacturer or supplier's d	letai	ls		
Co	mpany	:	MSD		
Ad	dress	:	33 Whakatiki Stre Upper Hutt - New		g 908
Te	lephone	:	0800 800 543		
En	nergency telephone number	:	0800 764 766 (08 CHEMCALL)	300 POISON)	0800 243 622 (0800
E-ı	mail address	:	EHSDATASTEW	ARD@msd.cor	n
Re	commended use of the ch	nem	ical and restrictio	ons on use	
	commended use estrictions on use	:	Veterinary produ Not applicable	ct	
Section	1 2: Hazard identification				
Gŀ	IS Classification				
Re	productive toxicity	:	Category 2		
	ecific target organ toxicity - gle exposure (Oral)	:	Category 1 (Cent	tral nervous sys	item)
	ecific target organ toxicity - beated exposure (Oral)	:	Category 1 (Live	r, Kidney)	

### **GHS** label elements

Signal word

Hazard pictograms

: Danger

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Hazard statements : H361d Suspected of damaging the unborn child. H370 Causes damage to organs (Central nervous system) if swallowed. H372 Causes damage to organs (Liver, Kidney) through prolonged or repeated exposure if swallowed.





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Preca	autionary statements	P202 Do not h and understoc P260 Do not b P264 Wash sh P270 Do not e	oreathe mist or vapours. kin thoroughly after handling. eat, drink or smoke when using this product. otective gloves/ protective clothing/ eye protec-
		<b>Response:</b> P308 + P311 CENTER/ doc	IF exposed or concerned: Call a POISON tor.
		<b>Storage:</b> P405 Store lo	cked up.
		<b>Disposal:</b> P501 Dispose disposal plant	of contents/ container to an approved waste

#### 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)
imidocarb	27885-92-3	>= 10 -< 20
Propionic acid	79-09-4	>= 3 -< 5

#### 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.
In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
If swallowed	:	If swallowed, DO NOT induce vomiting.



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a d P	lost important symptoms nd effects, both acute and elayed rotection of first-aiders lotes to physician	:	Never give anythi Suspected of dan Causes damage to causes damage to exposure if swallo First Aid responder and use the recorr when the potentia	oughly with water. ng by mouth to an unconscious person. naging the unborn child. to organs if swallowed. to organs through prolonged or repeated
Sectio	on 5: Fire-fighting measure	s		
	uitable extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (C Dry chemical None known.	
rr S fig H	nedia pecific hazards during fire- ghting lazardous combustion prod- cts	:		pustion products may be a hazard to health.
o S	pecific extinguishing meth- ds pecial protective equipment or firefighters	:	cumstances and t Use water spray t Remove undama so. Evacuate area. In the event of fire	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 e, wear self-contained breathing apparatus. tective equipment.
Sectio	on 6: Accidental release me	eas	ures	
ti	ersonal precautions, protec- ve equipment and emer- ency procedures	:	Follow safe handl	tective equipment. ing advice (see section 7) and personal pro- recommendations (see section 8).
E	nvironmental precautions	:	Prevent spreading barriers).	he environment. akage or spillage if safe to do so. g over a wide area (e.g. by containment or oil

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-
		cloair ap romaining materiale norm opin mar catable about





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		po: em mii Se	cal or nation sal of this ma ployed in th ne which reg ctions 13 an	al regulations may apply to releases and dis- aterial, as well as those materials and items e cleanup of releases. You will need to deter- gulations are applicable. d 15 of this SDS provide information regarding national requirements.
ection 7:	Handling and storag	e		
Local	nical measures /Total ventilation e on safe handling	CC : Us : Do Do	NTROLS/P e only with a	
		Av Wa Ha pra ses Do Ta	oid prolonge ash skin thor ndle in acco actice, basec ssment not eat, drir	and of repeated contact with skin. Foughly after handling. Indance with good industrial hygiene and safety d on the results of the workplace exposure as- hk or smoke when using this product. revent spills, waste and minimize release to the
Hygie	ne measures	: If e flus pla Wh Wa Th eng apj ind	exposure to o shing system ice. nen using do ash contamir e effective o gineering co propriate de lustrial hygie	chemical is likely during typical use, provide eye ns and safety showers close to the working o not eat, drink or smoke. hated clothing before re-use. peration of a facility should include review of ntrols, proper personal protective equipment, gowning and decontamination procedures, ene monitoring, medical surveillance and the trative controls.
Condi	tions for safe storage	: Ke Sto	ep in proper pre locked u	ly labelled containers.
Mater	ials to avoid	: Do		ith the following product types:

### Section 8: Exposure controls/personal protection

#### Components with workplace control parameters

Components	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	
		exposure)	concentration	
imidocarb	27885-92-3	TWA	40 µg/m3 (OEB 3)	Internal
		Wipe limit	400 µg/100 cm <sup>2</sup>	Internal
Propionic acid	79-09-4	WES-TWA	10 ppm	NZ OEL
			30 mg/m3	



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		I	TWA	10 ppm	ACGIH	
			IWA	TO ppin	ACGIT	
Engir	neering measures	technol less qu All eng design protect Contair are req the con tainme	logies to control air ick connections). ineering controls s and operated in ac products, workers ment technologies juired to control at	ring controls and marborne concentration hould be implement ccordance with GM , and the environme s suitable for contro source and to prevent olled areas (e.g., op	ns (e.g., drip- ted by facility P principles to ent. Illing compounds ent migration of	
Perso	onal protective equip	ment				
Fil	iratory protection ter type protection	sure as ommer	ssessment demons nded guidelines, us	ventilation is not av strates exposures o se respiratory protect of organic vapour ty	utside the rec- ction.	
Ма	aterial	: Chemic	cal-resistant gloves	3		
	emarks protection	: Wear s If the w mists o Wear a	rork environment o r aerosols, wear th a faceshield or othe al for direct contac	side shields or gog r activity involves d ne appropriate gogg er full face protectio t to the face with du	usty conditions, Jles. n if there is a	
Skin a	and body protection	: Work u Additio task be posable Use ap	iniform or laborator nal body garments sing performed (e.g e suits) to avoid ex	ry coat. should be used ba g., sleevelets, apron posed skin surface ng techniques to re	, gauntlets, dis- s.	

#### Section 9: Physical and chemical properties

Appearance	:	liquid
Colour	:	clear
Odour	:	No data available
Odour Threshold	:	No data available
рН	:	4.5
Melting point/freezing point	:	100 °C
Initial boiling point and boiling	:	No data available

## SAFETY DATA SHEET



## Imidocarb Injection Formulation

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I	range				
I	Flash p	oint	:	No data available	9
I	Evapora	ation rate	:	No data available	)
I	Flamma	ability (solid, gas)	:	Not applicable	
I	Flamma	ability (liquids)	:	No data available	9
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
v	Vapour	pressure	:	No data available	9
I	Relative	e vapour density	:	No data available	)
I	Density		:	No data available	)
:	Solubilit Wate	ty(ies) er solubility	:	soluble	
	Partitior	n coefficient: n-	:	No data available	)
		nition temperature	:	No data available	)
I	Decomp	position temperature	:	No data available	)
,	Viscosit Visc	y osity, kinematic	:	No data available	)
I	Explosiv	ve properties	:	Not explosive	
(	Oxidizir	ng properties	:	The substance o	r mixture is not classified as oxidizing.
I	Molecul	ar weight	:	No data available	)
I	Particle	size	:	No data available	)

## Section 10: Stability and reactivity

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reac-	• :	Can react with strong oxidizing agents.
tions		
Conditions to avoid	:	None known.
Incompatible materials	:	Oxidizing agents





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Hazar produ	dous decomposition	:	No hazardou	s decomposition products are known.
ction 11	I: Toxicological inform	atio	on	
Expos	sure routes	:	Inhalation Skin contact Ingestion Eye contact	
	e toxicity			
	assified based on availa	ble	information.	
<u>Produ</u> Acute	oral toxicity	:	Acute toxicity Method: Calcu	estimate: > 2,000 mg/kg Ilation method
<u>Comp</u>	oonents:			
imido	carb:			
Acute	oral toxicity	:	LD50 (Rat): 1,	216 - 1,652 mg/kg
			LD50 (Mouse)	: 544 - 702 mg/kg
			LD50 (Rabbit)	: 317 mg/kg
Acute	inhalation toxicity	:	Remarks: No	data available
Acute	dermal toxicity	:	Remarks: No	data available
	toxicity (other routes of istration)	:		2.7 mg/kg bute: Intravenous
			LD50 (Mouse) Application Ro	: 22.3 mg/kg pute: Intravenous
Propi	onic acid:			
Acute	inhalation toxicity	:	LC50 (Rat): > Exposure time Test atmosphe	e: 4 h
Acute	dermal toxicity	:	LD50 (Rat, fer	nale): 3,235 mg/kg
-	corrosion/irritation assified based on availa	ble	information.	
Comp	oonents:			
imido	carb:			
Rema	irks	:	No data availa	able





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Droni	ionio opidu		
Speci	ionic acid:	: Rabbit	
Resul			after 3 minutes to 1 hour of exposure
Serio	us eye damage/eye	irritation	
Not cl	lassified based on ava	ailable information	
<u>Comp</u>	oonents:		
imido	ocarb:		
Rema	arks	: No data a	vailable
Propi	ionic acid:		
Speci		: Rabbit	
Resul	lt	: Irreversibl	e effects on the eye
Resp	iratory or skin sens	tisation	
-	<b>sensitisation</b> lassified based on ava	ailable information	
Resp	iratory sensitisation		
-	lassified based on av		
<u>Com</u>	oonents:		
imido	ocarb:		
Rema	arks	: No data a	vailable
Propi	ionic acid:		
Test 7		: Maximisat	
	sure routes	: Skin conta	
Speci Resul		: Guinea pig : negative	)
Rema			data from similar materials
Chro	nic toxicity		
Germ	cell mutagenicity		
Not cl	lassified based on ava	ailable information	
<u>Com</u>	ponents:		
	ocarb:		
Geno	toxicity in vitro	: Test Type Result: ne	: Bacterial reverse mutation assay (AMES gative
		Test Type	: In vitro mammalian cell gene mutation te



YersionRevision Da.130.09.2023	te: SDS Number: Date of last issue: 04.04.2023 632253-00016 Date of first issue: 02.05.2016
Genotoxicity in vivo	Test Type: Chromosome aberration test in vitro Result: equivocal : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Rat Application Route: Oral Result: negative Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse
	Application Route: Oral Result: negative
<b>Propionic acid:</b> Genotoxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471
	Result: negative Test Type: In vitro sister chromatid exchange assay in mam- malian cells Result: negative
Genotoxicity in vivo	: Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Hamster Application Route: Intraperitoneal injection Result: negative
<b>Carcinogenicity</b> Not classified based	on available information.
Components:	
imidocarb: Species Application Route Exposure time LOAEL Result Target Organs Remarks	<ol> <li>Rat</li> <li>Oral</li> <li>104 weeks</li> <li>240 mg/kg body weight</li> <li>negative</li> <li>Mammary gland</li> <li>The mechanism or mode of action may not be relevant in humans.</li> </ol>
Propionic acid:	
Species Application Route Exposure time Result	: Rat : Ingestion : 2 Years : negative
	9/16





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Popro	oductive toxicity			
-	ected of damaging the	unborn d	child.	
	onents:			
imido				
	s on fertility	Sr Ar Fe	pecies: Rat oplication Ro ertility: LOAE	o-generation reproduction toxicity study ute: Oral L: 135 mg/kg body weight se neonatal effects.
		Sr Ar	pecies: Rat	o-generation reproduction toxicity study ute: Oral EL: 45 mg/kg body weight
Effects ment	s on foetal develop-	Sp Ap De	pecies: Rat oplication Ro evelopmenta	bryo-foetal development ute: Oral I Toxicity: LOAEL: 76 mg/kg body weight on foetal development, No teratogenic effe
		Sp Ap	pecies: Rat	bryo-foetal development ute: Oral I Toxicity: NOAEL: 19 mg/kg body weight
		Sp Ap De	pecies: Rabb oplication Ro evelopmenta	
Repro sessm	ductive toxicity - As- ent		ome evidenc nimal experir	e of adverse effects on development, based nents.
Propie	onic acid:			
-	s on foetal develop-	Sp Ap Re	pecies: Rat oplication Ro esult: negativ	bryo-foetal development ute: Ingestion /e ed on data from similar materials
	- single exposure es damage to organs (	Central r	nervous svst	em) if swallowed.
	onents:	2 entitient		,
imido				
Targe	t Organs sment		entral nervou auses damag	is system ge to organs.



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Propi	onic acid:		
Asses	ssment	: May cause res	piratory irritation.
	- repeated exposures damage to organs		n prolonged or repeated exposure if swallowe
	oonents:		
imido	carb:		
	t Organs ssment	<ul> <li>Liver, Kidney</li> <li>Causes damager</li> <li>exposure.</li> </ul>	ge to organs through prolonged or repeated
Propi	onic acid:		
Asses	ssment		nealth effects observed in animals at concent g/kg bw or less.
Repe	ated dose toxicity		
<u>Comp</u>	oonents:		
imido	carb:		
Speci		: Rat	
LOAE	—	: 125 mg/kg : Oral	
	cation Route sure time	: 90 Days	
	t Organs	: Liver	
Speci		: Rat	
NOAE LOAE		: 76 mg/kg	
	ation Route	: 415 mg/kg : Oral	
Expos	sure time	: 90 Days	
Targe	t Organs	: Liver	
Speci		: Dog	
LOAE		: 5 mg/kg	
	cation Route sure time	: Oral : 90 Days	
	t Organs	: Liver, Kidney	
Symp	toms	: muscle twitchin	ng, Salivation, recumbency, ataxia, splayed le
Speci	es	: Rat	
NOAE		: 15 mg/kg	
	L cation Route	: 60 mg/kg : Oral	
	sure time	: 104 Weeks	
	t Organs	: Liver, Kidney, I	



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Speci		:	Monkey	
NOAE	L cation Route	:	5 mg/kg Oral	
	sure time	:	30 Days	
Rema	arks	:	No significant a	adverse effects were reported
-	onic acid:			
Speci		:	Dog	
NOAE	L cation Route	:	733.4 mg/kg Ingestion	
	sure time	:	90 Days	
Metho		:	OECD Test Gu	ideline 409
Speci		:	Mouse, female	
LOAE	cation Route		136.9 mg/kg Skin contact	
	sure time	:	90 Days	
Not cl	ration toxicity lassified based on ava rience with human e			
Not cl Exper Comp imido	lassified based on ava rience with human e ponents: pcarb:		Ire	
Not cl Exper	lassified based on ava rience with human e ponents: pcarb:		Target Organs Symptoms: Sa mation, ataxia,	: Central nervous system livation, muscle twitching, Tremors, Lachry- lethargy ed on Animal Evidence
Not cl Exper Comp imido Inhala	lassified based on ava rience with human e ponents: pcarb:	exposi	Target Organs Symptoms: Sa mation, ataxia,	livation, muscle twitching, Tremors, Lachry- lethargy
Not cl Exper imido Inhala	lassified based on ava rience with human e <u>conents:</u> ocarb: ation	exposi	Target Organs Symptoms: Sa mation, ataxia,	livation, muscle twitching, Tremors, Lachry- lethargy
Not cl Exper imido Inhala	lassified based on ava rience with human e <u>ponents:</u> pcarb: ation 2: Ecological inform	exposi	Target Organs Symptoms: Sa mation, ataxia,	livation, muscle twitching, Tremors, Lachry- lethargy
Not cl Exper imido Inhala	assified based on avairience with human e <u>conents:</u> ocarb: ation 2: Ecological inform	exposi	Target Organs Symptoms: Sa mation, ataxia,	livation, muscle twitching, Tremors, Lachry- lethargy
Not cl Exper imido Inhala Ecoto <u>Comp</u> Propi	assified based on avairience with human e <u>conents:</u> ocarb: ation 2: Ecological inform oxicity <u>conents:</u>	exposi	Target Organs Symptoms: Sa mation, ataxia, Remarks: Base LC50 (Leucisco Exposure time: Method: DIN 3	livation, muscle twitching, Tremors, Lachry- lethargy ed on Animal Evidence us idus (Golden orfe)): > 100 mg/l
Not cl Exper imido Inhala tion 12 Ecoto Comp Toxici	assified based on avairience with human e <u>ponents:</u> pcarb: ation 2: Ecological inform pxicity ponents: ionic acid:	ation	Target Organs Symptoms: Sa mation, ataxia, Remarks: Base LC50 (Leucisco Exposure time: Method: DIN 3 Remarks: Base	livation, muscle twitching, Tremors, Lachry- lethargy ad on Animal Evidence us idus (Golden orfe)): > 100 mg/l 96 h 8412
Not cl Exper imido Inhala Ecoto Comp Propi Toxici	assified based on avairience with human esponents: ponents: poarb: ation 2: Ecological inform poticity ponents: ionic acid: ity to fish	ation	Target Organs Symptoms: Sa mation, ataxia, Remarks: Base LC50 (Leucisci Exposure time: Method: DIN 3 Remarks: Base EC50 (Daphnia Exposure time:	livation, muscle twitching, Tremors, Lachry- lethargy ed on Animal Evidence us idus (Golden orfe)): > 100 mg/l 96 h 8412 ed on data from similar materials a magna (Water flea)): > 100 mg/l 48 h
Not cl Exper imido Inhala Ecoto Comp Propi Toxici	assified based on avairience with human esponents: poarb: ation 2: Ecological inform poxicity ponents: ionic acid: ity to fish	ation	Target Organs Symptoms: Sa mation, ataxia, Remarks: Base LC50 (Leucisco Exposure time: Method: DIN 3 Remarks: Base EC50 (Daphnia Exposure time: Method: Direct	livation, muscle twitching, Tremors, Lachry- lethargy ad on Animal Evidence us idus (Golden orfe)): > 100 mg/l 96 h 8412 ed on data from similar materials a magna (Water flea)): > 100 mg/l
Not cl Exper imido Inhala Ecoto Comp Propi Toxici aquat	assified based on avairience with human esponents: ponents: pcarb: ation 2: Ecological inform pxicity ponents: fonic acid: ity to fish ity to daphnia and oth ic invertebrates	ation	Target Organs Symptoms: Sa mation, ataxia, Remarks: Base LC50 (Leucisco Exposure time: Method: DIN 3 Remarks: Base EC50 (Daphnia Exposure time: Method: Direct Remarks: Base	livation, muscle twitching, Tremors, Lachry- lethargy ed on Animal Evidence us idus (Golden orfe)): > 100 mg/l 96 h 8412 ed on data from similar materials a magna (Water flea)): > 100 mg/l 48 h ive 67/548/EEC, Annex V, C.2. ed on data from similar materials
Not cl Exper imido Inhala Ecoto Comp Propi Toxici aquat	assified based on avairience with human esponents: ponents: pcarb: ation 2: Ecological inform pxicity ponents: fonic acid: ity to daphnia and oth ic invertebrates ity to algae/aquatic	ation	Target Organs Symptoms: Sa mation, ataxia, Remarks: Base LC50 (Leucisco Exposure time: Method: DIN 3 Remarks: Base EC50 (Daphnia Exposure time: Method: Direct Remarks: Base	livation, muscle twitching, Tremors, Lachry- lethargy ad on Animal Evidence us idus (Golden orfe)): > 100 mg/l 96 h 8412 ad on data from similar materials a magna (Water flea)): > 100 mg/l 48 h ive 67/548/EEC, Annex V, C.2. ad on data from similar materials odesmus subspicatus (green algae)): > 100



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				Test Guideline 201 d on data from similar materials		
Toxicity to microorganisms		:	EC10 (Pseudomonas putida): 44.6 mg/l Exposure time: 17 h Method: DIN 38 412 Part 8			
Persi	stence and degradab	ility				
<u>Comp</u>	oonents:					
Propionic acid: Biodegradability		:	Result: Readily biodegradable. Biodegradation: 74 % Exposure time: 30 d			
Bioad	cumulative potential					
<u>Com</u>	oonents:					
imido	carb:					
	on coefficient: n- ol/water	:	log Pow: 3.88			
Partiti	onic acid: on coefficient: n- ol/water	:	log Pow: 0.33			
	i <b>ty in soil</b> Ita available					
	<b>adverse effects</b> Ita available					

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

:	Not applicable
:	Not applicable
:	Not applicable
:	Not applicable
	:



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	ng group	:	Not applicable	
Label	S	:	Not applicable	
IATA	-DGR			
UN/IC		:	Not applicable	
	er shipping name	:	Not applicable	
Class		:	Not applicable	
	diary risk	:	Not applicable	
	ng group	:	Not applicable	
Label	-	:	Not applicable	
	ng instruction (cargo	:	Not applicable	
aircra	,		Not applicable	
	ng instruction (passen- rcraft)	:	Not applicable	
0	,			
	-Code			
	umber	:	Not applicable	
•	er shipping name	:	Not applicable	
Class		:	Not applicable	
	diary risk	:	Not applicable	
	ng group	÷	Not applicable	
Label		÷	Not applicable	
EmS		÷	Not applicable	
wann	e pollutant	·	Not applicable	
Trans	sport in bulk according	g to	Annex II of MAR	POL 73/78 and the IBC Code
Not a	pplicable for product as	sup	plied.	
		'	•	
ivatio	nal Regulations			

#### NZS 5433

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

### **HSNO Approval Number**

HSR100759 Veterinary Medicines Non dispersive Open System Application Group Standard

#### **HSW Controls**

Certified handler certificate not required. Tracking hazardous substance not required.





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	fer to the Health and Safet mation.	ty at	Work (Hazardous	Substances) Regulations 2017, for further in-		
	•	oduo	-	the following inventories:		
AIC	5	:	not determined			
DS	L	:	not determined			
IEC	IECSC		not determined			
Sectior	16: Other information					
Re	vision Date	:	30.09.2023			
Fu	rther information					
COI	Sources of key data used to compile the Safety Data Sheet			data, data from raw material SDSs, OECD arch results and European Chemicals Agen- ropa.eu/		
Da	te format	:	dd.mm.yyyy			
Full text of other abbreviations						
-	GIH OEL	:		eshold Limit Values (TLV) orkplace Exposure Standards for Atmospher-		
	GIH / TWA OEL / WES-TWA	:	8-hour, time-weig Workplace Expos	hted average ure 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 Substanc-

### SAFETY DATA SHEET



## Imidocarb Injection Formulation

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es; (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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