

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
2.14	28.09.2024	657667-00020	Date of first issue: 02.05.2016

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

1.1	Product identifier Trade name	:	Imidocarb Injection Formulation
1.2	Relevant identified uses of the	he s	ubstance or mixture and uses advised against
	Use of the Sub- stance/Mixture	:	Veterinary product
	Recommended restrictions on use	:	Not applicable
1.3	Details of the supplier of the	saf	ety data sheet
	Company	:	MSD Kilsheelan Clonmel Tipperary, IE
	Telephone	:	353-51-601000
	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)

Reproductive toxicity, Category 2 Specific target organ toxicity - single exposure, Category 1 Specific target organ toxicity - repeated exposure, Category 1 H361d: Suspected of damaging the unborn child. H370: Causes damage to organs.

H372: Causes damage to organs through prolonged or repeated exposure.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms : Signal word : Danger Hazard statements : H361d Suspected of damaging the unborn child.



Imidocarb Injection Formulation

Version 2.14	Revision Date: 28.09.2024	SDS Number: 657667-00020	Date of last issue: 06.04.2024 Date of first issue: 02.05.2016
			lamage to organs. lamage to organs through prolonged or re-
Precau	utionary statements	Prevention:	
		P264 Wash ski P270 Do not ea	pecial instructions before use. n thoroughly after handling. at, drink or smoke when using this product. tective gloves/ protective clothing/ eye protec- on.
		Response: P308 + P311 If CENTER/ doctor.	exposed or concerned: Call a POISON
		Storage: P405 Store loc	ked up.

Hazardous components which must be listed on the label: imidocarb

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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
imidocarb	27885-92-3 248-711-7	Acute Tox. 4; H302 Repr. 2; H361d STOT SE 1; H370 (Central nervous system) STOT RE 1; H372 (Liver, Kidney)	>= 10 - < 20
Propionic acid	79-09-4	Flam. Liq. 3; H226	>= 3 - < 5



Imidocarb Injection Formulation

Version	Revision Date: 28.09.2024	SDS Number:	Date of last issue: 06.04.2024
2.14		657667-00020	Date of first issue: 02.05.2016
		201-176-3 607-089-00	-0 Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT SE 3; H335

For explanation of abbreviations see section 16.

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. 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. Get medical attention. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed



Version 2.14	Revision Date: 28.09.2024		9S Number: 7667-00020	Date of last issue: 06.04.2024 Date of first issue: 02.05.2016	
Risks :			Suspected of damaging the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure.		
	-	meo		and special treatment needed	
Treat	ment	:	Treat symptom	atically and supportively.	
SECTION	N 5: Firefighting meas	sur	es		
5.1 Exting	guishing media				
Suita	ble extinguishing media	:	Water spray Alcohol-resista Carbon dioxide Dry chemical		
Unsu media	itable extinguishing a	:	None known.		
5.2 Specia	al hazards arising from	the	substance or	mixture	
Spec fightir		:	Exposure to co	mbustion products may be a hazard to health.	
Haza ucts	rdous combustion prod-	:	Carbon oxides		
5.3 Advic	e for firefighters				
	ial protective equipment efighters	:		fire, wear self-contained breathing apparatus. protective equipment.	
Spec ods	ific extinguishing meth-	:	cumstances an Use water spra	ing measures that are appropriate to local cir- id the surrounding environment. by to cool unopened containers. naged containers from fire area if it is safe to do	
			Evacuate area.		
SECTION	N 6: Accidental releas	se r	neasures		
6.1 Perso	nal precautions, protec	tive	e equipment an	d emergency procedures	
Perso	onal precautions	:	Follow safe ha	protective equipment. Indling advice (see section 7) and personal pro- ent recommendations (see section 8).	
6.2 Enviro	onmental precautions				
Envir	onmental precautions		Avoid release t	o the environment	

Environmental precautions : Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

Imidocarb Injection Formulation

Version 2.14	Revision Date: 28.09.2024	SDS Number: 657667-00020	Date of last issue: 06.04.2024 Date of first issue: 02.05.2016
		•	ose of contaminated wash water. s should be advised if significant spillages ined.
6.3 Method	ls and material for co	ontainment and clear	ning up
		For large spills, ment to keep ma be pumped, stor Clean up remain bent. Local or nationa posal of this ma employed in the mine which regu Sections 13 and	ert absorbent material. provide dyking or other appropriate contain- aterial from spreading. If dyked material can re recovered material in appropriate container. ning materials from spill with suitable absor- Il regulations may apply to releases and dis- terial, as well as those materials and items cleanup of releases. You will need to deter- ulations are applicable. I 15 of this SDS provide information regarding mational 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

Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	Use only with adequate ventilation.
Advice on safe handling	:	Do not breathe mist or vapours.
		Do not swallow.
		Avoid contact with eyes.
		Avoid prolonged or repeated contact with skin.
		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
		Do not eat, drink or smoke when using this product.
		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, including any incompatibilities

Requirements for storage : Keep in properly labelled containers. Store locked up. Store in



Version 2.14	Revision Date: 28.09.2024	SDS Number: 657667-00020	Date of last issue: 06.04.2024 Date of first issue: 02.05.2016
areas and containers		accordance with the particular national regulations.	
Advice on common storage		: Do not store with the following product types: Strong oxidizing agents Self-reactive substances and mixtures Organic peroxides Explosives Gases	
-	i c end use(s) ïic use(s)	: No data availab	le

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis		
imidocarb	27885-92-3	TWA	40 µg/m3 (OEB 3)	Internal		
		Wipe limit	400 µg/100 cm ²	Internal		
Propionic acid	79-09-4	TWA	10 ppm 30 mg/m3	FOR-2011- 12-06-1358		
		STEL	20 ppm 62 mg/m3	2000/39/EC		
	Further inform	nation: Indicative				
		TWA	10 ppm 31 mg/m3	2000/39/EC		
	Further inforn	Further information: Indicative				

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006

Substance name	End Use	Exposure routes	Potential health ef- fects	Value
Propionic acid	Workers	Inhalation	Long-term systemic effects	73 mg/m3
	Workers	Inhalation	Long-term local ef- fects	31 mg/m3
	Workers	Inhalation	Acute local effects	62 mg/m3
	Workers	Skin contact	Long-term systemic effects	20,9 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	18,3 mg/m3
	Consumers	Inhalation	Long-term local ef- fects	3,7 mg/m3
	Consumers	Inhalation	Acute local effects	30,8 mg/m3
	Consumers	Skin contact	Long-term systemic effects	10,5 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	10,5 mg/kg bw/day



Imidocarb Injection Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
2.14	28.09.2024	657667-00020	Date of first issue: 02.05.2016

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006

Substance name	Environmental Compartment	Value
Propionic acid	Fresh water	0,5 mg/l
	Freshwater - intermittent	5 mg/l
	Marine water	0,05 mg/l
	Sewage treatment plant	5 mg/l
	Fresh water sediment	1,86 mg/kg dry weight (d.w.)
	Marine sediment	0,186 mg/kg dry weight (d.w.)
	Soil	0,126 mg/kg dry weight (d.w.)

8.2 Exposure controls

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.

Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face containment devices).

Minimize open handling.

Personal protective equipment

Eye/face protection Hand 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.
Material	:	Chemical-resistant gloves
Remarks Skin and body protection	:	Consider double gloving. Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing.
Respiratory protection Filter type	:	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 NS EN 14387 Combined particulates and organic vapour type (A-P)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



Imidocarb Injection Formulation

Vers 2.14		Revision Date: 28.09.2024		S Number: 667-00020	Date of last issue: 06.04.2024 Date of first issue: 02.05.2016
	Physica	Il state	:	liquid	
	Colour		:	clear	
	Odour		:	No data available	
	Odour 1	Threshold	:	No data available)
	Melting	point/freezing point	:	100 °C	
	Initial bo range	piling point and boiling	:	No data available	
	Flamma	ability (solid, gas)	:	Not applicable	
	Flamma	ability (liquids)	:	No data available)
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
	Flash p	oint	:	No data available)
	Auto-igr	nition temperature	:	No data available)
	Decomp	position temperature	:	No data available	9
	рН		:	4,5	
	Viscosit Visc	y osity, kinematic	:	No data available	9
	Solubilit Wate	ty(ies) er solubility	:	soluble	
	Partitior octanol/	n coefficient: n- /water	:	No data available	
	Vapour	pressure	:	No data available)
	Density		:	No data available)
	Relative	e vapour density	:	No data available)
		characteristics icle size	:	No data available	

9.2 Other information



Imidocarb Injection Formulation

Version 2.14	Revision Date: 28.09.2024		S Number: 7667-00020	Date of last issue: 06.04.2024 Date of first issue: 02.05.2016		
Explo	sives	:	Not explosive			
Oxidizing properties		:	: The substance or mixture is not classified as oxidizing.			
Evaporation rate		:	: No data available			
Moleo	cular weight	:	No data availabl	e		

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

10.4 Conditions to avoid

Conditions to avoid	:	None known.
---------------------	---	-------------

10.5 Incompatible materials

Materials to avoid	: 0>	idizing agents
--------------------	------	----------------

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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:

-		
im	idocarb:	

Acute oral toxicity	:	LD50 (Rat): 1.216 - 1.652 mg/kg
		LD50 (Mouse): 544 - 702 mg/kg



Imidocarb Injection Formulation

ersion 14	Revision Date: 28.09.2024		DS Number: 7667-00020	Date of last issue: 06.04.2024 Date of first issue: 02.05.2016
			LD50 (Rabbit): 31	7 ma/ka
A	in haladian darinida		. ,	
Acute	e inhalation toxicity	:	Remarks: No data	a available
Acute	e dermal toxicity	:	Remarks: No data	a available
	e toxicity (other routes of nistration)	:	LD50 (Rat): 32,7 r Application Route	
			LD50 (Mouse): 22 Application Route	
Propi	ionic acid:			
Acute	e inhalation toxicity	:	LC50 (Rat): > 20 Exposure time: 4 Test atmosphere:	h
Acute	e dermal toxicity	:	LD50 (Rat, female	e): 3.235 mg/kg
	ponents: ocarb:		No data available	
Rema	arks	:	INO data available	
Propi	ionic acid:			
Speci Resu		:	Rabbit Corrosive after 3 r	minutes to 1 hour of exposure
Not c	ous eye damage/eye irri lassified based on availa ponents:			
imido	ocarb:			
Rema	arks	:	No data available	
Propi	ionic acid:			
Speci Resu	ies	:	Rabbit Irreversible effects	s on the eye
Resp	iratory or skin sensitis	atio	n	

Skin sensitisation

Not classified based on available information.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



Imidocarb Injection Formulation

Version 2.14	Revision Date: 28.09.2024		DS Number: 57667-00020	Date of last issue: 06.04.2024 Date of first issue: 02.05.2016
	spiratory sensitisation t classified based on avail	lable	information.	
<u>Co</u>	mponents:			
im	idocarb:			
Re	marks	:	No data available	
Pro	opionic acid:			
	st Type	:	Maximisation Tes	st
	posure routes	:	Skin contact	
	ecies sult	÷	Guinea pig negative	
	marks	:		om similar materials
	rm cell mutagenicity t classified based on avail	lable	information.	
<u>Co</u>	mponents:			
im	idocarb:			
Ge	notoxicity in vitro	:	Test Type: Bacte Result: negative	rial reverse mutation assay (AMES)
			Test Type: In vitr Result: negative	o mammalian cell gene mutation test
			Test Type: Chror Result: equivocal	nosome aberration test in vitro
Ge	notoxicity in vivo	:	Test Type: Mamr cytogenetic assa Species: Rat Application Route Result: negative	
			Test Type: Mamr cytogenetic assa Species: Mouse Application Route Result: negative	
Pro	opionic acid:			
	notoxicity in vitro	:		rial reverse mutation assay (AMES) est Guideline 471
			Test Type: In vitro malian cells Result: negative	o sister chromatid exchange assay in mam-

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



Imidocarb Injection Formulation

Version 2.14	Revision Date: 28.09.2024		98 Number: 7667-00020	Date of last issue: 06.04.2024 Date of first issue: 02.05.2016
Ge	notoxicity in vivo	:	cytogenetic assay Species: Hamster	
	r cinogenicity t classified based on availa	able	information.	
Co	mponents:			
imi	docarb:			
Apr Exp LO Res Tar	ecies blication Route bosure time AEL sult get Organs marks		Rat Oral 104 weeks 240 mg/kg body v negative Mammary gland The mechanism of mans.	veight or mode of action may not be relevant in hu-
Pro	pionic acid:			
Apr Exp	ecies blication Route bosure time sult	::	Rat Ingestion 2 Years negative	
-	productive toxicity spected of damaging the u	nbo	rn child.	
Co	mponents:			
	docarb: ects on fertility	:	Species: Rat Application Route	135 mg/kg body weight
			Species: Rat Application Route	eneration reproduction toxicity study : Oral 45 mg/kg body weight
Effe me	ects on foetal develop- nt	:	Species: Rat Application Route Developmental To	ro-foetal development : Oral oxicity: LOAEL: 76 mg/kg body weight foetal development, No teratogenic effects
			Test Type: Embry Species: Rat	o-foetal development



Imidocarb Injection Formulation

rsion 4	Revision Date: 28.09.2024	SDS Number: 657667-00020	Date of last issue: 06.04.2024 Date of first issue: 02.05.2016
		Application R	
		Development	al Toxicity: NOAEL: 19 mg/kg body weight
			nbryo-foetal development
		Species: Rab Application R	
		Development	al Toxicity: NOAEL: 20 mg/kg body weight fects on foetal development
Repro sessm	oductive toxicity - As- nent	: Some eviden animal experi	ce of adverse effects on development, based or ments.
Propi	onic acid:		
•	s on foetal develop-		nbryo-foetal development
ment		Species: Rat	oute: Ingestion
		Result: negat	
			sed on data from similar materials
STOT	- single exposure		
Cause	es damage to organs.		
<u>Comp</u>	oonents:		
imido	carb:		
-	t Organs	: Central nervo	
Asses	ssment	: Causes dama	age to organs.
Propi	onic acid:		
Asses	sment	: May cause re	spiratory irritation.
стот	- repeated exposure		
Cause	es damage to organs tl	nrough prolonged o	repeated exposure.
<u>Comp</u>	oonents:		
imido	carb:		
	t Organs	: Liver, Kidney	
Asses	sment	: Causes dama exposure.	age to organs through prolonged or repeated
Propi	onic acid:		
-	ssment		t health effects observed in animals at concentrang/kg bw or less.
Repe	ated dose toxicity		
-	ated dose toxicity ponents:		

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



Imidocarb Injection Formulation

ersion 14	Revision Date: 28.09.2024	SDS Number: 657667-00020	Date of last issue: 06.04.2024 Date of first issue: 02.05.2016
Speci	ies	: Rat	
LÖAE		: 125 mg/kg	
Applic	cation Route	: Oral	
	sure time	: 90 Days	
Targe	et Organs	: Liver	
Speci		: Rat	
NOAE		: 76 mg/kg	
LOAE		: 415 mg/kg	
	cation Route	: Oral	
	sure time	: 90 Days	
Targe	et Organs	: Liver	
Speci		: Dog	
LOAE		: 5 mg/kg	
	cation Route	: Oral	
	sure time	: 90 Days	
	et Organs	: Liver, Kidney	
Symp	otoms	: muscle twitchi	ng, Salivation, recumbency, ataxia, splayed lec
Speci		: Rat	
NOAE		: 15 mg/kg	
LOAE		: 60 mg/kg	
	cation Route	: Oral	
	sure time	: 104 Weeks	
Targe	et Organs	: Liver, Kidney,	Blood
Speci		: Monkey	
NOAE		: 5 mg/kg	
	cation Route	: Oral	
	sure time	: 30 Days	· · · · · · · · · · · · · · · · · · ·
Rema	arks	: No significant	adverse effects were reported
Propi	ionic acid:		
Speci	ies	: Dog	
NOAE	ΞL	: 733,4 mg/kg	
Applic	cation Route	: Ingestion	
	sure time	: 90 Days	
Metho	bd	: OECD Test G	uideline 409
Speci		: Mouse, female	e
LOAE		: 136,9 mg/kg	
	cation Route	: Skin contact	
Expos	sure time	: 90 Days	
1 an:-	ration toxicity		
Aspir	ration toxicity		

Not classified based on available information.

11.2 Information on other hazards

Endocrine disrupting properties

Product:



Version 2.14	Revision Date: 28.09.2024	SDS Number: 657667-00020	Date of last issue: 06.04.2024 Date of first issue: 02.05.2016
Asses	sment	 The substance/mixture does not contain components con ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/60 levels of 0.1% or higher. 	
Exper	ience with human ex	posure	
Comp	oonents:		
imido	carb:		
Inhala	tion	Symptoms: Sa mation, ataxia	:: Central nervous system Ilivation, muscle twitching, Tremors, Lachry- , lethargy ed on Animal Evidence

SECTION 12: Ecological information

12.1 Toxicity

Components:

D			
Pro	nini	nic	acid:
110	μισι		acia.

Toxicity to fish	:	LC50 (Leuciscus idus (Golden orfe)): > 100 mg/l Exposure time: 96 h Method: DIN 38412 Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Method: Directive 67/548/EEC, Annex V, C.2. Remarks: Based on data from similar materials
Toxicity to algae/aquatic plants	:	EbC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based 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

12.2 Persistence and degradability

Components:

Propionic acid:		
Biodegradability	:	Result: Readily biodegradable. Biodegradation: 74 % Exposure time: 30 d

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

Imidocarb Injection Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
2.14	28.09.2024	657667-00020	Date of first issue: 02.05.2016

12.3 Bioaccumulative potential

Components:

imidocarb:

Partition coefficient: n- octanol/water	:	log Pow: 3,88
Propionic acid:		
Partition coefficient: n-		log Pow: 0.33

Partition coefficient: n-	:	log Pow: 0,33
octanol/water		

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment

: 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.

12.6 Endocrine disrupting properties

Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods	
Product	 Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.
Contaminated packaging	 Do not dispose of waste into sewer. 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

14.1 UN number or ID number

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



Imidocarb Injection Formulation

Version 2.14	Revision Date: 28.09.2024		DS Number: 57667-00020	Date of last issue: 06.04.2024 Date of first issue: 02.05.2016
ADN			Not regulated as	a dangerous good
ADR		:	-	a dangerous good
RID			-	a dangerous good
IMDG			-	a dangerous good
ΙΑΤΑ		:	-	a dangerous good
14.2 UN pi	oper shipping name		5	5 5
ADN		:	Not regulated as	a dangerous good
ADR		:	-	a dangerous good
RID		:	-	a dangerous good
IMDG			U	a dangerous good
ΙΑΤΑ		:	-	a dangerous good
14.3 Trans	port hazard class(es	5)	5	5 5
ADN		:	Not regulated as	a dangerous good
ADR			U	a dangerous good
RID		:	-	a dangerous good
IMDG		:	-	a dangerous good
ΙΑΤΑ		:	-	a dangerous good
14.4 Packi	ng group		-	
ADN		:	Not regulated as	a dangerous good
ADR		:	Not regulated as	a dangerous good
RID		:	Not regulated as	a dangerous good
IMDG		:	Not regulated as	a dangerous good
ΙΑΤΑ	(Cargo)	:	Not regulated as	a dangerous good
ΙΑΤΑ	(Passenger)	:	Not regulated as	a dangerous good
-	onmental hazards gulated as a dangerou	us go	od	
-	al precautions for us	ser		
14.7 Marit Rema	i me transport in bulk rks	acco :	-	r uments r product as supplied.

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

- REACH Restrictions on the manufacture, placing on the market and use of certain dangerous substances,
- : Conditions of restriction for the following entries should be considered:

Commission Regulation (EU) 2020/878

according to Regulation (EC) No. 1907/2006, as amended by



Imidocarb Injection Formulation

Version 2.14	Revision Date: 28.09.2024	SDS Number: 657667-00020	20.10 0.	last issue: 06.04.2024 first issue: 02.05.2016
mixtu	mixtures and articles (Annex XVII)			Number on list 3
				Substance(s) or mixture(s) are listed here according to their appearance in the regulation, irrespective of their use/purpose or the conditions of the restriction. Please refer to the condi- tions in corresponding Regulation to determine whether an entry is appli- cable to the placing on the market or not.
	CH - Candidate List of Service of Service CAN (A Constraint)	Substances of Very Higl .rticle 59).	n :	Not applicable
REAC		subject to authorisation	n :	Not applicable
		ces that deplete the ozo	one :	Not applicable
Regu	lation (EU) 2019/1021 (recast)	on persistent organic po	ollu- :	Not applicable
Regu ment of dar	ation (EU) No 649/201 and the Council conce ngerous chemicals	2 of the European Parli	oort	Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. _ . . ~

		Quantity 1	Quantity 2
H3	STOT SPECIFIC TARGET	50 t	200 t
	ORGAN TOXICITY –		
	SINGLE EXPOSURE		

Other regulations:

Note the Working Environment Act § 4-1 and § 4-2 on requirements for the employer to protect pregnant employees against discomfort and injury as a result of the work situation and the working environment.

Note the regulation on organization, leadership and participation, chapter 12 on the work of children and young people.

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.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



Imidocarb Injection Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
2.14	28.09.2024	657667-00020	Date of first issue: 02.05.2016

Full text of H-Statements

H226 H302 H314 H318 H335 H361d H370 H372		Flammable liquid and vapour. Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. May cause respiratory irritation. Suspected of damaging the unborn child. Causes damage to organs if swallowed. Causes damage to organs through prolonged or repeated exposure if swallowed.
Full text of other abbreviati	ons	
Acute Tox. Eye Dam. Flam. Liq. Repr. Skin Corr. STOT RE STOT SE 2000/39/EC		Acute toxicity Serious eye damage Flammable liquids Reproductive toxicity Skin corrosion Specific target organ toxicity - repeated exposure Specific target organ toxicity - single exposure Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
FOR-2011-12-06-1358 2000/39/EC / TWA 2000/39/EC / STEL FOR-2011-12-06-1358 / TWA	:	Norway. Occupational Exposure limits Limit Value - eight hours Short term exposure limit Long term exposure limit

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; Regulation (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 associated 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



Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
2.14	28.09.2024	657667-00020	Date of first issue: 02.05.2016

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

Classification of the mixture	Classification procedure:	
Repr. 2	H361d	Calculation method
STOT SE 1	H370	Calculation method
STOT RE 1	H372	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.

NO / EN