

Versi 2.2	on	Revision Date: 28.09.2024		S Number: 15560-00009		sue: 30.09.2023 sue: 16.03.2020
Secti	ion 1: I	dentification				
F	Produc	t name	:	Lidocaine Hydro	chloride Formula	ation
Γ	Manufa	acturer or supplier's o	deta	ils		
(	Compa	ny	:	MSD		
ŀ	Addres	S	:	33 Whakatiki Str Upper Hutt - Nev		g 908
٦	Telepho	one	:	0800 800 543		
E	Emerge	ency telephone numbe	r :	0800 764 766 (0 CHEMCALL)	800 POISON)	0800 243 622 (0800
E	E-mail a	address	:	EHSDATASTEW	/ARD@msd.cor	n
F	Recom	mended use of the c	hem	ical and restriction	ons on use	
-		mended use tions on use	:	Veterinary produ Not applicable	ct	

### Section 2: Hazard identification

### **GHS Classification**

Not a hazardous substance or mixture.

### **GHS** label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

### 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)
Lidocaine hydrochloride	6108-05-0	>= 1 -< 10

### Section 4: First-aid measures

If inhaled

: If inhaled, remove to fresh air. Get medical attention if symptoms occur.





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	se of skin contact se of eye contact	:	Get medical att	er and soap as a precaution. ention if symptoms occur. water as a precaution.
			Get medical att	ention if irritation develops and persists.
II SWa	allowed	·	Get medical att	O NOT induce vomiting. ention if symptoms occur. oroughly with water.
	important symptoms effects, both acute and red	:	None known.	
	ection of first-aiders s to physician	:		autions are necessary for first aid responders. atically and supportively.
Section 5	: Fire-fighting measure	s		
Suita	ble extinguishing media	:	Water spray Alcohol-resistar Carbon dioxide Dry chemical	
Unsu media	itable extinguishing a	:	None known.	
Spec fightir	ific hazards during fire- ng	:	Exposure to co	mbustion products may be a hazard to health.
Haza ucts	rdous combustion prod-	:	Carbon oxides Chlorine compo Nitrogen oxides	
Spec ods	ific extinguishing meth-	:	cumstances an Use water spra	ng measures that are appropriate to local cir- d the surrounding environment. y to cool unopened containers. naged containers from fire area if it is safe to d
	ial protective equipment efighters	:	essary.	nined breathing apparatus for firefighting if nec rotective equipment.
Section 6	: Accidental release me	eas	ures	
tive e	onal precautions, protec- equipment and emer- y procedures	:		ndling advice (see section 7) and personal pro- ent recommendations (see section 8).
Envir	onmental precautions	:	Prevent further	o the environment. leakage or spillage if safe to do so. ing over a wide area (e.g. by containment or o

Retain and dispose of contaminated wash water.

barriers).



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			Local authorities s cannot be contair	should be advised if significant spillages ned.
	hods and materials for ainment and cleaning up	:	For large spills, p ment to keep mat be pumped, store Clean up remainin bent. Local or national posal of this mate employed in the o mine which regula Sections 13 and 2	t absorbent material. rovide 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- trial, as well as those materials and items cleanup of releases. You will need to deter- ations are applicable. IS of this SDS provide information regarding tional requirements.
Section	7: Handling and storage	;		
Tecl	hnical measures	:		measures under EXPOSURE SONAL PROTECTION section.
	al/Total ventilation ice on safe handling	:	Use only with ade Handle in accorda practice, based of sessment	
Hyg	iene measures	:	environment. If exposure to che flushing systems place. When using do no Wash contaminat The effective ope engineering contr appropriate degov industrial hygiene	emical is likely during typical use, provide eye and safety showers close to the working of eat, drink or smoke. ed clothing before re-use. ration of a facility should include review of ols, proper personal protective equipment, wning and decontamination procedures, monitoring, medical surveillance and the
Con	ditions for safe storage	:		tive controls. abelled containers. ice with the particular national regulations.
Mate	erials to avoid	:		the following product types:

## Section 8: Exposure controls/personal protection

components with workplace control parameters								
Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis				
Lidocaine hydrochloride	6108-05-0	TWA	15 µg/m3	Internal				
	Further information: DSEN							

## Components with workplace control parameters



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1		I		STEL	100 µg/m3 (OEB	Internal
					3)	
				Wipe limit	150 µg/100 cm <sup>2</sup>	Internal
Engin	eering measures	:	technologies less quick cor All engineerin design and op protect produ Containment are required t	to control airbo nections). g controls shou berated in acco cts, workers, ai technologies si o control at sou d to uncontrolle ces).	controls and manufact rne concentrations (e. uld be implemented by rdance with GMP print and the environment. uitable for controlling of urce and to prevent mi d areas (e.g., open-fact	g., drip- r facility ciples to compounds gration of
Perso	nal protective equip	ment				
Respii	ratory protection	:	No personal r quired.	espiratory prote	ective equipment norn	nally re-
Hand	protection					
Ма	terial	:	Chemical-res	istant gloves		
	marks rotection	:	If the work en mists or aeros Wear a faces	lasses with sid vironment or a sols, wear the a hield or other fu	e shields or goggles. ctivity involves dusty c appropriate goggles. Ill face protection if the the face with dusts, n	ere is a
Skin a	nd body protection	:	Additional boo task being pe posable suits	rformed (e.g., s ) to avoid expos ate degowning	oat. ould be used based u sleevelets, apron, gau sed skin surfaces. techniques to remove	ntlets, dis-
ction 9:	Physical and chemi	cal pr	operties			
Appea	arance	:	liquid			

Colour	:	colourless
Odour	:	No data available
Odour Threshold	:	No data available
рН	:	4.5 - 6.5
Melting point/freezing point	:	No data available
Initial boiling point and boiling	:	No data available



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	range				
	Flash p	oint	:	No data available	
	Evapor	ation rate	:	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	
	Vapour	pressure	:	No data available	,
	Relative	e vapour density	:	No data available	•
	Relative	e density	:	No data available	
	Density	,	:	No data available	
	Solubili Wat	ty(ies) er solubility	:	No data available	
		n coefficient: n-	:	Not applicable	
	octanol Auto-ig	nition temperature	:	No data available	
	Decom	position temperature	:	No data available	1
	Viscosi Visc	ty sosity, kinematic	:	No data available	
	Explosi	ve properties	:	Not explosive	
				<b>-</b> , , ,	
		ng properties	:		mixture is not classified as oxidizing.
	Molecu	lar weight	:	No data available	
	Particle Particle	e characteristics e size	:	Not applicable	

# 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		





Conditi			
Incomp	ions to avoid batible materials dous decomposition ts	: None known. : Oxidizing age : No hazardous	ents s decomposition products are known.
ction 11	: Toxicological infor	mation	
Exposi	ure routes	: Inhalation Skin contact Ingestion Eye contact	
	toxicity		
	ssified based on avai	lable information.	
Produce Acute of	<u>ct:</u> oral toxicity	: Acute toxicity Method: Calcu	estimate: > 2,000 mg/kg Ilation method
<u>Comp</u>	onents:		
Lidoca	aine hydrochloride:		
	oral toxicity	: LD50 (Mouse)	: 292 mg/kg
	orrosion/irritation assified based on avai	lable information.	
<u>Comp</u>	onents:		
Lidoca	aine hydrochloride:		
Result Remar		: No skin irritatio : Based on data	on a from similar materials
	is eye damage/eye ir assified based on avai		
Respir	atory or skin sensit	sation	
	ensitisation assified based on avai	lable information.	
-	ratory sensitisation assified based on avai	lable information.	
Chron	ic toxicity		
	<b>cell mutagenicity</b> assified based on avai	lable information.	
<u>Comp</u>	onents:		
Lidoca	aine hydrochloride:		



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Geno	toxicity in vitro	Result: negativ	
		Remarks: Base	ed on data from similar materials
		Result: negativ	omosome aberration test in vitro e ed on data from similar materials
		Remarks. Dase	eu on data nom similar materiais
Carci	nogenicity		
Not cl	assified based on availa	able information.	
Repro	oductive toxicity		
Not cl	assified based on availa	able information.	
	- single exposure		
	assified based on availa	able information.	
	- repeated exposure		
	assified based on availa	able information.	
Aspir	ation toxicity		
		1.1	
	assified based on availa		
	assified based on availa 2: Ecological informati		
ection 12			
ection 12 Ecoto	2: Ecological informati		
ection 12 Ecoto <u>Com</u> r	2: Ecological informati oxicity oonents:		
ection 12 Ecoto <u>Comp</u> Lidoo	2: Ecological informati oxicity	: LC50 (Brachyd Exposure time: Method: OECD	anio rerio (zebrafish)): > 100 mg/l 96 h 9 Test Guideline 203 2d on data from similar materials
ection 12 Ecoto <u>Comp</u> Lidoo Toxici	2: Ecological informati oxicity <u>oonents:</u> aine hydrochloride: ity to fish	: LC50 (Brachyd Exposure time: Method: OECD Remarks: Base	96 h Test Guideline 203 ed on data from similar materials
ection 12 Ecoto <u>Comp</u> Lidoo Toxici	2: Ecological informati oxicity <u>oonents:</u> aine hydrochloride:	: LC50 (Brachyd Exposure time: Method: OECD Remarks: Base	96 h 9 Test Guideline 203 ed on data from similar materials a magna (Water flea)): > 100 mg/l
ection 12 Ecoto <u>Comp</u> Lidoo Toxici	2: Ecological informati oxicity <u>ponents:</u> caine hydrochloride: ity to fish	<ul> <li>LC50 (Brachyd Exposure time: Method: OECD Remarks: Base</li> <li>EC50 (Daphnia Exposure time: Method: OECD</li> </ul>	96 h 9 Test Guideline 203 ed on data from similar materials a magna (Water flea)): > 100 mg/l 48 h 9 Test Guideline 202
ection 12 Ecoto <u>Comp</u> Lidoo Toxici	2: Ecological informati oxicity <u>ponents:</u> caine hydrochloride: ity to fish	<ul> <li>LC50 (Brachyd Exposure time: Method: OECD Remarks: Base</li> <li>EC50 (Daphnia Exposure time: Method: OECD</li> </ul>	96 h 9 Test Guideline 203 ed on data from similar materials a magna (Water flea)): > 100 mg/l 48 h
ection 12 Ecoto Comp Lidoo Toxici aquat	2: Ecological informati oxicity <u>oonents:</u> caine hydrochloride: ity to fish ity to daphnia and other ic invertebrates ity to algae/aquatic	<ul> <li>i LC50 (Brachyd Exposure time: Method: OECD Remarks: Base</li> <li>i EC50 (Daphnia Exposure time: Method: OECD Remarks: Base</li> <li>i ErC50 (Pseudo</li> </ul>	96 h 9 Test Guideline 203 ed on data from similar materials a magna (Water flea)): > 100 mg/l 48 h 9 Test Guideline 202 ed on data from similar materials
ection 12 Ecoto Comp Lidoo Toxici aquat	2: Ecological informati oxicity <u>oonents:</u> caine hydrochloride: ity to fish ity to daphnia and other ic invertebrates ity to algae/aquatic	<ul> <li>i LC50 (Brachyd Exposure time: Method: OECD Remarks: Base</li> <li>i EC50 (Daphnia Exposure time: Method: OECD Remarks: Base</li> <li>i ErC50 (Pseudo mg/l</li> </ul>	96 h 9 Test Guideline 203 ed on data from similar materials a magna (Water flea)): > 100 mg/l 48 h 9 Test Guideline 202 ed on data from similar materials okirchneriella subcapitata (green algae)): > 100
ection 12 Ecoto Comp Lidoo Toxici aquat	2: Ecological informati oxicity <u>oonents:</u> caine hydrochloride: ity to fish ity to daphnia and other ic invertebrates ity to algae/aquatic	<ul> <li>i LC50 (Brachyd Exposure time: Method: OECD Remarks: Base</li> <li>i EC50 (Daphnia Exposure time: Method: OECD Remarks: Base</li> <li>i ErC50 (Pseudo mg/l Exposure time: Method: OECD</li> </ul>	96 h 9 Test Guideline 203 ed on data from similar materials a magna (Water flea)): > 100 mg/l 48 h 9 Test Guideline 202 ed on data from similar materials okirchneriella subcapitata (green algae)): > 100 72 h 9 Test Guideline 201
ection 12 Ecoto Comp Lidoo Toxici aquat	2: Ecological informati oxicity <u>oonents:</u> caine hydrochloride: ity to fish ity to daphnia and other ic invertebrates ity to algae/aquatic	<ul> <li>i LC50 (Brachyd Exposure time: Method: OECD Remarks: Base</li> <li>i EC50 (Daphnia Exposure time: Method: OECD Remarks: Base</li> <li>i ErC50 (Pseudo mg/l Exposure time: Method: OECD</li> </ul>	96 h 9 Test Guideline 203 ed on data from similar materials a magna (Water flea)): > 100 mg/l 48 h 9 Test Guideline 202 ed on data from similar materials okirchneriella subcapitata (green algae)): > 100 72 h
ection 12 Ecoto Comp Lidoo Toxici aquat	2: Ecological informati oxicity <u>oonents:</u> caine hydrochloride: ity to fish ity to daphnia and other ic invertebrates ity to algae/aquatic	<ul> <li>LC50 (Brachyd Exposure time: Method: OECD Remarks: Base</li> <li>EC50 (Daphnia Exposure time: Method: OECD Remarks: Base</li> <li>ErC50 (Pseudo mg/l Exposure time: Method: OECD Remarks: Base</li> </ul>	96 h 9 Test Guideline 203 ed on data from similar materials a magna (Water flea)): > 100 mg/l 48 h 9 Test Guideline 202 ed on data from similar materials okirchneriella subcapitata (green algae)): > 100 72 h 9 Test Guideline 201
ection 12 Ecoto Comp Lidoo Toxici aquat Toxici plants Persi	2: Ecological informati oxicity ponents: caine hydrochloride: ity to fish ity to daphnia and other ic invertebrates ity to algae/aquatic	<ul> <li>LC50 (Brachyd Exposure time: Method: OECD Remarks: Base</li> <li>EC50 (Daphnia Exposure time: Method: OECD Remarks: Base</li> <li>ErC50 (Pseudo mg/l Exposure time: Method: OECD Remarks: Base</li> </ul>	96 h 9 Test Guideline 203 ed on data from similar materials a magna (Water flea)): > 100 mg/l 48 h 9 Test Guideline 202 ed on data from similar materials okirchneriella subcapitata (green algae)): > 100 72 h 9 Test Guideline 201
ection 12 Ecoto Comp Lidoo Toxici aquat Toxici plants Persi <u>Comp</u>	2: Ecological informati oxicity ponents: caine hydrochloride: ity to fish ity to daphnia and other ic invertebrates ity to algae/aquatic stence and degradabil	<ul> <li>LC50 (Brachyd Exposure time: Method: OECD Remarks: Base</li> <li>EC50 (Daphnia Exposure time: Method: OECD Remarks: Base</li> <li>ErC50 (Pseudo mg/l Exposure time: Method: OECD Remarks: Base</li> </ul>	96 h 9 Test Guideline 203 ed on data from similar materials a magna (Water flea)): > 100 mg/l 48 h 9 Test Guideline 202 ed on data from similar materials okirchneriella subcapitata (green algae)): > 100 72 h 9 Test Guideline 201



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		Remarks: Ba	sed on data from similar materials	
Bioa	ccumulative potential			
	ponents:			
Partit	caine hydrochloride: tion coefficient: n- nol/water	: log Pow: 2.2 Remarks: Ca		
	i <b>lity in soil</b> ata available			
	<b>r adverse effects</b> ata available			
Section 1	3: Disposal considera	ations		
Disp	osal methods			
-	e from residues		se of waste into sewer.	
Conta	aminated packaging		accordance with local regulations. ners should be taken to an approved waste ha	n-

dling site for recycling or disposal.

If not otherwise specified: Dispose of as unused product.

## Section 14: Transport information

### International Regulations

UNRTDG		
UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
Environmentally hazardous	:	no
IATA-DGR		
UN/ID No.	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
Packing instruction (cargo aircraft)	:	Not applicable
Packing instruction (passen- ger aircraft)	:	Not applicable
IMDG-Code		
UN number	:	Not applicable



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Prope	er shipping name	: Not applicable : Not applicable	
0.0.00	, idiary risk	: Not applicable	
	ng group	: Not applicable	
Label	-	: Not applicable	
-	Code	: Not applicable	
	e pollutant	: Not applicable	
	-	-	RPOL 73/78 and the IBC Code
Not a	pplicable for product	as supplied.	
Natio	nal Regulations		
NZS	5433		
UN r	number	: Not applicable	9
	er shipping name	: Not applicable	
Clas	-	: Not applicable	
	sidiary risk	: Not applicable	
Labe	king group	: Not applicable : Not applicable	
	chem Code	: Not applicable	
•	ial precautions for u	ser	
Not a	pplicable		

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

### **HSNO Approval Number**

Not applicable

Tolerable Exposure Limits (TEL)

Not applicable

Environmental Exposure Limits (EEL) Not applicable

#### HSW Controls

Certified handler certificate not required. Tracking hazardous substance not required. Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

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

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

### Section 16: Other information



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Furth	ner information			
	ces of key data used to bile the Safety Data t	:		data, data from raw material SDSs, OECD arch results and European Chemicals Agen- ropa.eu/
Date	format	:	dd.mm.yyyy	

### Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration: NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate: NOM - Official Mexican Norm: NTP - National Toxicology Program: NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, 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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