



Version 4.3	Revision Date: 28.09.2024		S Number: 23844-00009		sue: 06.04.2024 sue: 06.01.2021
Section 1	: Identification				
Produ	uct name	:	Cefquinome Liq	uid Formulation	
Manu	afacturer or supplier's	deta	ils		
Com	bany	:	MSD		
Addre	ess	:	33 Whakatiki Str Upper Hutt - Nev		g 908
Telep	bhone	:	0800 800 543		
Emer	gency telephone numbe	r:	0800 764 766 (0 CHEMCALL)	800 POISON)	0800 243 622 (0800
E-ma	il address	:	EHSDATASTEV	VARD@msd.cor	n
Reco	ommended use of the c	hem	ical and restricti	ons on use	
	mmended use ictions on use	:	Veterinary produ Not applicable	uct	
Section 2	: Hazard identification				
GHS	Classification				
Resp	iratory sensitisation	:	Category 1		
	rdous to the aquatic onment - acute hazard	:	Category 1		
	rdous to the aquatic onment - chronic hazard	:	Category 2		

GHS label elements

Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	:	Prevention:





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P261 Avoid breathing mist or vapours. P273 Avoid release to the environment. P284 Wear respiratory protection.

Response:

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor. P391 Collect spillage.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Additional Labelling

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 3.125 %

Other hazards which do not result in classification

None known.

Section 3: Composition/information on ingredients

Substance	/ Mixture	:	Mixture
Oubstance			IVIIALUIC

Components

Chemical name	CAS-No.	Concentration (% w/w)
Aluminum tristearate	637-12-7	>= 1 -< 10
Cefquinome	118443-89-3	>= 2.5 -< 10

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. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
In case of skin contact	:	In case of contact, immediately flush skin with 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 if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms	:	May cause allergy or asthma symptoms or breathing difficul-



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	delayed Protect	ects, both acute and d ion of first-aiders o physician	:	other respiratory of tive airways dysfu First Aid responde and use the recor- when the potentia	The may aggravate preexisting asthma and disorders (e.g. emphysema, bronchitis, reac- nction syndrome). Pers should pay attention to self-protection, nmended personal protective equipment I for exposure exists (see section 8). cally and supportively.
Sect	tion 5: I	Fire-fighting measure	s		
	Suitabl	e extinguishing media	:	Water spray Alcohol-resistant f Carbon dioxide (C Dry chemical	
	Unsuitable extinguishing media		:	None known.	
	Specific hazards during fire- fighting		:	Exposure to comb	pustion products may be a hazard to health.
	Hazard ucts	lous combustion prod-	I- : Carbon oxides Nitrogen oxides (NOx) Sulphur oxides Metal oxides		NOx)
	Specific ods	c extinguishing meth-	:	cumstances and t Use water spray t	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
	Special for firef	l protective equipment ighters	: In the event of fire, wear self-contained breathing apparatus Use personal protective equipment.		
	Hazche	em Code	:	3Z	
Sect	tion 6: /	Accidental release me	easi	ires	
	tive equ	al precautions, protec- uipment and emer- procedures	:	Follow safe handl	ective equipment. ing advice (see section 7) and personal pro- recommendations (see section 8).

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
		barriers). Retain and dispose of contaminated wash water.
		Local authorities should be advised if significant spillages cannot be contained.



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	ethods and materials for ontainment and cleaning up	For large spills, pu ment to keep mat be pumped, store Clean up remainin bent. Local or national u posal of this mate employed in the o mine which regula Sections 13 and 1	t absorbent material. rovide dyking or other appropriate contain- erial from spreading. If dyked material can recovered material in appropriate container. ng materials from spill with suitable absor- regulations may apply to releases and dis- erial, 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 ational requirements.
Sectio	n 7: Handling and storage		
Τe	echnical measures		measures under EXPOSURE SONAL PROTECTION section.
Lo	ocal/Total ventilation		ation is unavailable, use with local exhaust
Ad	dvice on safe handling	: Do not get on skir Do not breathe m Do not swallow. Avoid contact with Handle in accorda practice, based of sessment Keep container tig Already sensitised to asthma, allergin should consult the tory irritants or se	ist or vapours. In eyes. ance with good industrial hygiene and safety in the results of the workplace exposure as- ghtly closed. d individuals, and those susceptible es, chronic or recurrent respiratory disease, eir physician regarding working with respira-
Hy	ygiene measures	flushing systems place. When using do no Wash contaminat The effective ope engineering contr appropriate degov	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, whing and decontamination procedures, monitoring, medical surveillance and the tive controls
Co	onditions for safe storage	: Keep in properly I Keep tightly close Keep in a cool, we	abelled containers.



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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
Cefquinome	118443-89-3	TWA	2000 µg/m3 (OEB 1)	Internal
	Further inform	ation: RSEN		
Aluminum tristearate	637-12-7	WES-TWA	10 mg/m3	NZ OEL
		WES-TWA (Respirable dust)	1 mg/m3 (Aluminium)	NZ OEL
		TWA (Inhal- able particu- late matter)	10 mg/m3	ACGIH
		TWA (Res- pirable par- ticulate mat- ter)	3 mg/m3	ACGIH
		TWA (Res- pirable par- ticulate mat- ter)	1 mg/m3 (Aluminium)	ACGIH

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 equipme	ent	
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. Combined particulates and organic vapour type
Hand protection		
Material	:	Chemical-resistant gloves
Eye 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.
Skin and body protection	:	Work uniform or laboratory coat.

Section 9: Physical and chemical properties

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	Appear	ance	:	suspension	
	Colour		:	white to off-white	, off-white to beige
	Odour		:	No data available	
	Odour ⁻	Threshold	:	No data available)
	рН		:	No data available)
	Melting	point/freezing point	:	No data available	9
	Initial be range	oiling point and boiling	:	No data available)
	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	,	:	0.800 - 1.100 g/c	m ³
	Solubili Wat	ty(ies) er solubility	:	No data available	9
	Partition octanol	n coefficient: n-	:	Not applicable	
		nition temperature	:	No data available)
	Decom	position temperature	:	No data available)
	Viscosi Visc	ty osity, kinematic	:	No data available	9
	Explosi	ve properties	:	Not explosive	



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Oxidi	zing properties	:	The substance	or mixture is not classified as oxidizing.
Moleo	cular weight	:	No data availat	ble
	le characteristics le size	:	Not applicable	
ection 1	0: Stability and reactivi	ty		
Possi tions Cond Incom	nical stability bility of hazardous reac- itions to avoid npatible materials rdous decomposition		Stable under no Can react with None known. Oxidizing agen	is a reactivity hazard. ormal conditions. strong oxidizing agents. ts decomposition products are known.
	1: Toxicological inform	atio	n	
Expo	sure routes	:	Inhalation Skin contact Ingestion Eye contact	
	e toxicity			
	lassified based on availa ponents:	ble i	nformation.	
	inum tristearate:			
	e oral toxicity	:	•	ale): > 2,000 mg/kg d on data from similar materials
Acute	inhalation toxicity	:		4 h
Cefq	uinome:			
-	e oral toxicity	:	LD50 (Mouse):	> 5,000 mg/kg
Acute	e inhalation toxicity	:	Remarks: No da	ata available
. .		:	Remarks: No da	ata available
Acute	e dermal toxicity			
	corrosion/irritation			



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Co	mponents:			
Alu	iminum tristearate:			
Me	ecies thod marks	:	OECD Test Guid	uman epidermis (RhE) deline 439 rom similar materials
Re	sult	:	No skin irritation	
	fquinome: sult	:	Irritating to skin.	
	r ious eye damage/eye i t classified based on ava			
<u>Co</u>	mponents:			
Alu	ıminum tristearate:			
Re: Me	ecies sult thod marks	:	Rabbit No eye irritation OECD Test Guid Based on data fi	deline 405 rom similar materials
Ce	fquinome:			
	sult	:	Irritating to eyes	
Re	spiratory or skin sensit	tisatio	on	
	i n sensitisation t classified based on ava	ilable	information.	
	spiratory sensitisation y cause allergy or asthm	ia sym	ptoms or breathir	ng difficulties if inhaled.
	mponents:	,		
Alu	ıminum tristearate:			
Exp Spe Me Re:	st Type posure routes ecies thod sult marks		Local lymph nod Skin contact Mouse OECD Test Guid negative Based on data fr	
Ce	fquinome:			
	oosure routes sult	:	Inhalation May cause sens	itisation by inhalation.



sion	Revision Date: 28.09.2024	SDS Number: 7723844-00009	Date of last issue: 06.04.2024 Date of first issue: 06.01.2021
Chron	ic toxicity		
	cell mutagenicity	The ball of the second second	
_	assified based on ava	liable information.	
	onents:		
	num tristearate: oxicity in vitro	· Test Type: In	vitro mammalian cell gene mutation test
Genou			D Test Guideline 476
			sed on data from similar materials
			acterial reverse mutation assay (AMES) D Test Guideline 471
			sed on data from similar materials
Genote	oxicity in vivo	: Test Type: Ma cytogenetic a Species: Rat	ammalian erythrocyte micronucleus test (in vi ssay)
		Application R	oute: Ingestion D Test Guideline 474 ive
		Remarks: Bas	sed on data from similar materials
Carcir	nogenicity		
Not cla	assified based on ava	ilable information.	
•	ductive toxicity		
	assified based on ava	ilable information.	
<u>Comp</u>	onents:		
	num tristearate:		
Effects	s on fertility	Species: Rat	vo-generation reproduction toxicity study oute: Ingestion
		Method: OEC	D Test Guideline 416
		Result: negat Remarks: Bas	ve sed on data from similar materials
Effects ment	on foetal develop-	Species: Rat Application R	ertility/early embryonic development
		Result: negat	ive sed on data from similar materials

Not classified based on available information.



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Com	ponents:			
-	uinome: ssment	:	May cause res	piratory irritation.
	T - repeated exposur classified based on ava		nformation.	
	eated dose toxicity			
-	ponents:			
	ninum tristearate:			
Spec NOA Appli	ties EL cation Route sure time	:	Rat >= 5,000 mg/k Ingestion 90 Days Based on data	g from similar materials
Not c Expe	ration toxicity classified based on ave erience with human e ponents:			
Inhal	uinome: ation	:	tract irritation, I	aphylaxis, bronchospasm, Cough, respiratory Rash, rhinitis, runny nose, sneezing
Skin	contact	:	Remarks: May	produce an allergic reaction. irritate skin. n allergic reaction.
Eye	contact	:	Remarks: May	
Section 1	2: Ecological inform	ation		
Ecot	oxicity			
<u>Com</u>	ponents:			
Alum	ninum tristearate:			
Ecot	oxicology Assessme	ent		
Acute	e aquatic toxicity	:	Toxic effects c	annot be excluded
Chro	nic aquatic toxicity	:	Toxic effects c	annot be excluded
Cefq	uinome:			



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	y to daphnia and other invertebrates	:	Exposure time	a magna (Water flea)): > 100 mg/l : 48 h) Test Guideline 202
Toxicity plants	y to algae/aquatic	:	Exposure time	kirchneriella subcapitata (green algae)): 86 m : 72 h) Test Guideline 201
			mg/l Exposure time	okirchneriella subcapitata (green algae)): 37 : 72 h) Test Guideline 201
			Exposure time	na flos-aquae (cyanobacterium)): 0.041 mg/l : 72 h) Test Guideline 201
			Exposure time	ena flos-aquae (cyanobacterium)): 0.014 mg/ : 72 h) Test Guideline 201
	or (Acute aquatic tox-	:	10	
icity) M-Fact toxicity	or (Chronic aquatic)	:	1	
Toxicity	y to microorganisms	:		
				5
Persist	tence and degradabil	ity		
Compo	onents:			
Cefqui	nome:			
Biodeg	radability	:	Biodegradation Exposure time	
Stability	y in water	:	Hydrolysis: > 9 Method: FDA 3	



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Bioad	cumulative potential		
<u>Com</u>	oonents:		
Partiti	u inome: ion coefficient: n- ol/water	: log Pow: -2.01	
Mobi	lity in soil		
Com	oonents:		
Distril	uinome: bution among environ- al compartments	: log Koc: 2.76	
	r adverse effects ata available		

Disposal r	nethods	

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	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cefquinome)
Class	:	9
Packing group	:	III
Labels	:	9
Environmentally hazardous	:	yes
IATA-DGR		
UN/ID No.	:	UN 3082
Proper shipping name	:	Environmentally hazardous substance, liquid, n.o.s. (Cefquinome)
Class	:	9
Packing group	:	
Labels	:	Miscellaneous
Packing instruction (cargo aircraft)	:	964
Packing instruction (passen- ger aircraft)	:	964





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Enviro	onmentally hazardous	: yes	
UN nu	- Code umber er shipping name	: UN 3082 : ENVIRONMENTALLY HAZARDOU N.O.S. (Cefquinome)	JS SUBSTANCE, LIQUID,
Labels EmS (ng group s	: 9 : III : 9 : F-A, S-F : yes	
	sport in bulk accordin oplicable for product as	to Annex II of MARPOL 73/78 and th supplied.	e IBC Code
Natio	nal Regulations		
•••••	5433 umber er shipping name	: UN 3082 : ENVIRONMENTALLY HAZARDOU N.O.S. (Cefquinome)	JS SUBSTANCE, LIQUID,

based upon the properties of the unpackaged material as it is described within this Safety Data	
Sheet. Transportation classifications may vary by mode of transportation, package sizes, and var-	
iations in regional or country regulations.	

Special precautions for user

: 9

: 111

: 9

: no

: 3Z

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

The transport classification(s) provided herein are for informational purposes only, and solely

Tolerable Exposure Limits (TEL)

Not applicable

Class

Labels

Packing group

Hazchem Code

Marine pollutant

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.





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The	components of this pro	oduo	ct are reported in	the following inventories:		
DSL		:	not determined			
AICS		:	not determined			
IECSC		:	not determined			
Section 1	6: Other information					
Revi	Revision Date		28.09.2024			
Further information Sources of key data used to compile the Safety Data Sheet		:	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	Full text of other abbreviations					
ACG NZ C		:		eshold Limit Values (TLV) orkplace Exposure Standards for Atmospher-		
	IH / TWA DEL / WES-TWA	:	8-hour, time-weig Workplace Expos	hted average sure Standard - Time Weighted average		
Lanc Carc Stan x% r ENC x% g tem; - Int Equi centi	of Brazil; ASTM - Ame inogen, Mutagen or Re dardisation; DSL - Dome response; ELx - Loading S - Existing and New C growth rate response; EF GLP - Good Laboratory ernational Air Transpor pment of Ships carrying ration; ICAO - Internation	rica epro- estic g ra chem RG - Pra- t As t Da nal C	n Society for the T ductive Toxicant; Substances List (C te associated with nical Substances (Emergency Respo ctice; IARC - Intern ssociation; IBC - I ngerous Chemicals Civil Aviation Organ	s; ANTT - National Agency for Transport by esting of Materials; bw - Body weight; CMR - DIN - Standard of the German Institute for Canada); ECx - Concentration associated with x% response; EmS - Emergency Schedule; Japan); ErCx - Concentration associated with onse Guide; GHS - Globally Harmonized Sys- ational Agency for Research on Cancer; IATA nternational Code for the Construction and s in Bulk; IC50 - Half maximal inhibitory con- nization; IECSC - Inventory of Existing Chemi- ritime Dangerous Goods; IMO - International		

centration; 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 - Trans-

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portation 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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