

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
4.0	06.09.2024	10863940-00009	Date of first issue: 11.10.2022

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

1.1 Product identifier		
Trade name	:	Chlorhexidine (0.8%) Liquid Formulation
Other means of identifi	cation :	Coopers Hibitane Disinfectant (36230)
1.2 Relevant identified use	es of the s	ubstance or mixture and uses advised against
Use of the Sub- stance/Mixture	:	Veterinary product
Recommended restrict on use	ions :	Not applicable
1.3 Details of the supplier	of the safe	ety data sheet
Company	:	MSD Kilsheelan Clonmel Tipperary, IE
Telephone	:	353-51-601000
E-mail address of persone 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)

Serious eye damage, Category 1 Skin sensitisation, Category 1 Long-term (chronic) aquatic hazard, Category 1 H318: Causes serious eye damage. H317: May cause an allergic skin reaction. H410: Very toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

2

Hazard pictograms



Signal word

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



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Hazar	d statements	: H317 H318 H410	Caus	cause an allergic skin reaction. es serious eye damage. toxic to aquatic life with long lasting effects.
Preca	utionary statements	: <b>Prev</b> P273 P280		l release to the environment. protective gloves/ eye protection/ face pro- n.
		Resp	onse:	
		P333	with v lense ing. li + P313 lf advic + P364 Ta befor	38 + P310 IF IN EYES: Rinse cautiously water for several minutes. Remove contact s, if present and easy to do. Continue rins- mmediately call a POISON CENTER/ doctor. skin irritation or rash occurs: Get medical e/ attention. ake off contaminated clothing and wash it e reuse. ct spillage.

#### Hazardous components which must be listed on the label:

Nonylphenol, ethoxylated Pine oil

#### 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: This substance/mixture contains components considered to have endocrine disrupting properties for environment, according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

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

		a	
Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Index-No.		· · ·
	Registration number		
Nonylphenol, ethoxylated	9016-45-9	Acute Tox. 4; H302	>= 3 - < 10
		Eye Dam. 1; H318	
		Aquatic Acute 1;	
		H400	

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			Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 10		
Pine	oil	8002-09-3	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	>= 1 - < 2.5	
Chlor	hexidine	55-56-1 200-238-7	Acute Tox. 4; H302 Eye Irrit. 2; H319 STOT RE 2; H373 (Liver) Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	>= 0.25 - < 1	

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 if symptoms occur.
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.



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In case of eye contact		:	for at least 15 mi If easy to do, rem	et, immediately flush eyes with plenty of water nutes. hove contact lens, if worn. ntion immediately.		
If sw	If swallowed		Get medical atter	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.		
4.2 Most	important symptoms a	nd e	effects, both acut	e and delaved		
Risks		:		ergic skin reaction.		
4.3 Indica	ation of any immediate	meo	dical attention an	d special treatment needed		
	tment	:		ically and supportively.		
	N 5: Firefighting meas	sur	es			
	guishing media					
Suita	ble extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide ( Dry chemical			
Unsu medi	iitable extinguishing a	:	None known.			
5.2 Speci	al hazards arising from	the	substance or m	ixture		
•	ific hazards during fire-			bustion products may be a hazard to health.		
Haza ucts	ardous combustion prod-	:	Carbon oxides			
53 Advic	e for firefighters					
Spec	cial protective equipment refighters	:		e, wear self-contained breathing apparatus. tective equipment.		
Spec ods	ific extinguishing meth-	:	cumstances and Use water spray	g measures that are appropriate to local cir- the surrounding environment. to cool unopened containers. aged containers from fire area if it is safe to do		



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#### **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
6.2 Environmental precautions 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

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.

#### 6.3 Methods and material for containment and cleaning up

Methods for 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- bent.
		Local or national regulations may apply to releases and dis- posal of this material, as well as those materials and items employed in the cleanup of releases. You will need to deter- mine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national 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 get on skin or clothing.
		Avoid breathing mist or vapours.
		Do not swallow.
		Do not get in eyes.
		Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as-
		sessment
		Keep container tightly closed.
		Take care to prevent spills, waste and minimize release to the environment.



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Hygie	ene measures	:	flushing systems place. When usin work clothing sho Wash contaminat The effective ope engineering contr appropriate dego	emical is likely during typical use, provide eye and safety showers close to the working g do not eat, drink or smoke. Contaminated uld not be allowed out of the workplace. 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.
7.2 Condi	tions for safe storage,	inc	luding any incom	patibilities
	irements for storage and containers	:		labelled containers. Keep tightly closed. nee with the particular national regulations.
Advic	e on common storage	:	Do not store with Strong oxidizing a Gases	the following product types: agents
-	f <b>ic end use(s)</b> ific use(s)	:	No data available	

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

#### **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form	Control parameters	Basis
		of exposure)		
Chlorhexidine	55-56-1	TWA	40 µg/m3 (OEB 3)	Internal
	Further information: RSEN, DSEN			
		Wipe limit	100 µg/100 cm2	Internal

#### 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: Wear safety glasses with side shields or goggles.<br/>If the work environment or activity involves dusty conditions,<br/>mists or aerosols, wear the appropriate goggles.<br/>Wear a faceshield or other full face protection if there is a

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Hand	protection	potential for di aerosols.	rect contact to the face with dusts, mists, or
Material		: Chemical-resi	stant gloves
	Skin and body protection : Work u Additio task be posabl Use ap		ble gloving. or laboratory coat. y garments should be used based upon the formed (e.g., sleevelets, apron, gauntlets, dis- to avoid exposed skin surfaces. te degowning techniques to remove potentially clothing.
Respir	atory protection		espiratory protective equipment normally re-

#### **SECTION 9: Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties

Physical state	:	liquid
Colour	:	clear, Hazy, yellow
Odour	:	pine
Odour Threshold	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
рН	:	No data available

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	Viscos Viso	ity cosity, kinematic	:	No data availabl	e
		ity(ies) ter solubility	:	No data availabl	e
		n coefficient: n- I/water	:	Not applicable	
	Vapou	r pressure	:	No data availabl	e
	Relativ	e density	:	No data availabl	e
	Density	y	:	No data availabl	e
	Relativ	e vapour density	:	No data availabl	e
		e characteristics ticle size	:	No data availabl	e
		nformation			
	Explos	ives	:	Not explosive	
	Oxidizi	ng properties	:	The substance of	r mixture is not classified as oxidizing.
	Evapo	ration rate	:	No data availabl	e
	Molecu	ular 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 read	ctio	ns
Hazardous reactions	:	Can react with strong oxidizing agents.

#### 10.4 Conditions to avoid

Conditions to avoid : N	None known.
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#### 10.5 Incompatible materials

Materials to avoid : Oxidizing agents

#### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.



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### **SECTION 11: Toxicological information**

11.1 Information on hazard class	es a	as defined in Regulation (EC) No 1272/2008
Information on likely routes of exposure	:	Inhalation Skin contact Ingestion Eye contact
Acute toxicity		
Not classified based on availa	ole	information.
Product:		
Acute oral toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method
Components:		
Nonylphenol, ethoxylated:		
Acute oral toxicity	:	LD50 (Rat): 500 - 2,000 mg/kg
Pine oil:		
Acute oral toxicity	:	LD50 (Rat): > 2,000 mg/kg Remarks: Based on data from similar materials
Chlorhexidine:		
Acute oral toxicity	:	LD50 Oral (Mouse): 1,260 mg/kg
		LD50 Oral (Rabbit): 1,100 mg/kg
		LD50 Oral (Rat): 2,000 mg/kg
Acute toxicity (other routes of administration)	:	LD50 (Rat): 21 mg/kg Application Route: Intravenous
Skin corrosion/irritation Not classified based on availa	ble	information.
Components:		
Nonylphenol, ethoxylated:		
Species	:	Rabbit
Method Result	:	OECD Test Guideline 404 No skin irritation
IResult	•	NO SKITTITIAUOT
Pine oil:		
Species	:	Rabbit
Result Remarks	÷	Skin irritation Based on data from similar materials
III. Containto	•	

#### SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

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



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Serio	us eye damage/eye i	rritat	ion	
Cause	es serious eye damage	э.		
Comp	oonents:			
Nony	Iphenol, ethoxylated	:		
Speci		:	Rabbit	
Metho Resul		:	OECD Test Guide	
••				
Pine			_	
Specie Metho		:	Bovine cornea OECD Test Guide	aline 437
Rema		:		om similar materials
Resul	t	:	No eye irritation	
Chlor	hexidine:			
Speci		:	Rabbit	
Resul	t	:	Mild eye irritation	
Skin s May c Respi Not cl <u>Comp</u>	iratory or skin sensit sensitisation ause an allergic skin r iratory sensitisation assified based on avai ponents: Iphenol, ethoxylated	eacti ilable	on.	
Test T		:	Maximisation Tes	t
Expos Specie	sure routes	:	Skin contact Guinea pig	
Resul		÷	negative	
Rema	irks	:	Based on data fro	om similar materials
Pine				
Asses Rema	ssment Irks	:		lence of skin sensitisation in humans om similar materials
	cell mutagenicity assified based on avai	ilable	information.	
Comp	oonents:			
Nony	Iphenol, ethoxylated	:		
Genot	toxicity in vitro	:	Result: negative	ial reverse mutation assay (AMES) on data from similar materials
			10 / 21	

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# Chlorhexidine (0.8%) Liquid Formulation

n vitro	:		rial reverse mutation assay (AMES)
n vitro	:		rial reverse mutation assay (AMES)
		Result: negative Remarks: Based	est Guideline 471 on data from similar materials damage and repair, unscheduled DNA syn- lian cells (in vitro)
		Result: negative	on data from similar materials
n vivo	:	cytogenetic assay Species: Mouse Application Route Method: OPPTS Result: negative	e: Intraperitoneal injection
e:			
n vitro	:	Test Type: Bacter Result: negative	rial reverse mutation assay (AMES)
			nosomal aberration nese hamster ovary cells
n vivo	:	Test Type: domin Species: Mouse Result: negative	ant lethal test
		Test Type: Cytog Species: Hamster Result: negative	
	ity	ity	Test system: Chi Result: negative Test Type: domin Species: Mouse Result: negative Test Type: Cytog Species: Hamste Result: negative

Not classified based on available information.

#### **Components:**

#### **Chlorhexidine:**

Species Application Route Exposure time Frequency of Treatment NOAEL Result		Rat oral (drinking water) 2 Years daily 38 mg/kg body weight negative
Species	:	Rat

Species

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Applica Expos Freque NOAE Result	er) veight			
-	ductive toxicity assified based on availa	able	information.	
Comp	onents:			
Pine o	oil:			
Effects	s on foetal develop-	:	Species: Rat Application Route Method: OECD T Result: negative	
Chlori	hexidine:			
Effects	s on fertility	:	Species: Rat Fertility: NOAEL:	100 mg/kg body weight
Effects ment	s on foetal develop-	:	-	oxicity: NOAEL: 300 mg/kg body weight
			Species: Rabbit Developmental To	oxicity: NOAEL: 40 mg/kg body weight
	- single exposure assified based on availa	able	information.	
	- repeated exposure assified based on availa	able	information.	
<u>Comp</u>	onents:			
Chlori	hexidine:			
Target Asses	t Organs sment	:	Liver May cause dama exposure.	ge to organs through prolonged or repeated
Repea	ted dose toxicity			
<u>Comp</u>	onents:			
Pine c	oil:			
Specie NOAE Applica Expos Remai	L ation Route ure time	: :	Rat > 200 mg/kg Skin contact 90 Days Based on data fro	om similar materials

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#### Chlorhexidine:

Species NOAEL Application Route Exposure time	: Rat : 158 mg/kg : Oral : 2 yr	9
Species	: Rabbit	
Species LOAEL	: 250 mg/kg	a
Application Route	: Dermal	-
Exposure time	: 13 Weeks	;
Target Organs	: Skin, Live	r

#### Aspiration toxicity

Not classified based on available information.

#### **Components:**

#### Pine oil:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

#### 11.2 Information on other hazards

#### **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.

#### Experience with human exposure

#### Components:

#### Chlorhexidine:

General Information Inhalation	:	Symptoms: Headache
Inhalation	:	Target Organs: Lungs
		Symptoms: Asthmatic appearance, bronchospasm, discomfort in the chest, upper respiratory tract infection
Ingestion	:	Target Organs: Gastrointestinal tract Symptoms: Gastrointestinal disturbance, Gastrointestinal tract damage



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#### **SECTION 12: Ecological information**

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#### 12.1 Toxicity

### Components:

Nonylphenol, ethoxylated:		
Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): > 0.1 - 1 mg/l Exposure time: 96 h Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Ceriodaphnia dubia (water flea)): > 0.1 - 1 mg/l Exposure time: 48 h Remarks: Based on data from similar materials
Toxicity to algae/aquatic plants	:	ErC50 (Selenastrum capricornutum (green algae)): > 1 - 10 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials
		EC10 (Selenastrum capricornutum (green algae)): > 1 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials
M-Factor (Acute aquatic tox- icity)	:	1
Toxicity to fish (Chronic tox- icity)	:	NOEC: > 0.1 - 1 mg/l Exposure time: 100 d Species: Oryzias latipes (Japanese medaka) Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	NOEC: > 0.001 - 0.01 mg/l Exposure time: 28 d Species: Mysidopsis bahia (opossum shrimp) Remarks: Based on data from similar materials
M-Factor (Chronic aquatic toxicity)	:	10
Pine oil:		
Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): > 1 - 10 mg/l Exposure time: 96 h Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 1 - 10 mg/l Exposure time: 48 h Remarks: Based on data from similar materials

Chlorhexidine:

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Toxic	ity to fish	:	(Fish): 2.088 mg, Exposure time: 90 Method: ECOSAF ships)	
	ity to daphnia and other tic invertebrates	:	Exposure time: 4	nagna (Water flea)): 0.222 mg/l 8 h R (Ecological Structure Activity Relation-
Toxic plants	ity to algae/aquatic s	:	mg/l End point: Growth Exposure time: 90	
M-Fa icity)	ctor (Acute aquatic tox-	:	1	
M-Fa toxici	ctor (Chronic aquatic ty)	:	1	
12.2 Persi	istence and degradabil	ity		
Com	ponents:			
	r <b>Iphenol, ethoxylated:</b> egradability	:	Result: Not readil Remarks: Based	y biodegradable. on data from similar materials
Pine Biode	<b>oil:</b> egradability	:	Result: Readily b Remarks: Based	iodegradable. on data from similar materials
Chlo	rhexidine: egradability	:	Remarks: Not inh	erently biodegradable.
12.3 Bioa	ccumulative potential			
Com	ponents:			
Partit	<b>Iphenol, ethoxylated:</b> ion coefficient: n- iol/water	:	log Pow: 4.48	
Pine	-			
	ion coefficient: n- ol/water	:	log Pow: > 4 Remarks: Calcula	ation
Chlor	rhavidina			

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Partit octan	ion coefficient: n- ol/water	: log Pow: 4.85						
	i <b>lity in soil</b> ata available							
12.5 Resu	12.5 Results of PBT and vPvB assessment							
Prod	uct:							
Asse	ssment	to be either pe very persister	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 Endo	ocrine disrupting prop	erties						
Prod	uct:							
Asse	ssment	have endocrir ing to REACH	e/mixture contains components considered to ne disrupting properties for environment, accord- l Article 57(f), Commission Regulation (EU) Commission Delegated Regulation (EU)					
Com	ponents:							
Nony	Iphenol, ethoxylated:							
Asse	ssment		e is considered to have endocrine disrupting cording to REACH Article 57(f) for the environ-					
	r adverse effects ata available							
SECTION	N 13: Disposal consi	derations						
13.1 Wast	e treatment methods							
Produ		According to t are not produce Waste codes discussion with	accordance with local regulations. he European Waste Catalogue, Waste Codes ct specific, but application specific. should be assigned by the user, preferably in h the waste disposal authorities. e of waste into sewer.					
Conta	aminated packaging	: Empty contain dling site for r	hers should be taken to an approved waste han- ecycling or disposal. Se specified: Dispose of as unused product.					

### **SECTION 14: Transport information**

#### 14.1 UN number or ID number

ADN

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AD		:	UN 3082	
RI	D	:	UN 3082	
IM	DG	:	UN 3082	
IA	ГА	:	UN 3082	
14.2 UN	I proper shipping name			
AD	DN	:	N.O.S.	ALLY HAZARDOUS SUBSTANCE, LIQUID,
AD	DR	:	N.O.S.	ALLY HAZARDOUS SUBSTANCE, LIQUID,
RII	D	:	N.O.S.	ALLY HAZARDOUS SUBSTANCE, LIQUID,
IM	DG	:	N.O.S.	ALLY HAZARDOUS SUBSTANCE, LIQUID,
IA	ΓΑ	:		nazardous substance, liquid, n.o.s. lonylphenol, ethoxylated)
14.3 Tra	ansport hazard class(es)			
			Class	Subsidiary risks
AD	<b>N</b>	:	9	
AD	R	:	9	
RII	D	:	9	
IM	DG	:	9	
IA	ГА	:	9	
	cking group			
<b>AC</b> Pa Cla Ha		:	III M6 90 9	
Cla Ha Lal Tu Pa	cking group assification Code zard Identification Number bels nnel restriction code	:	III M6 90 9 (-) III M6	

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



# Chlorhexidine (0.8%) Liquid Formulation

Vers 4.0	ion	Revision Date: 06.09.2024		0S Number: 863940-00009	Date of last issue: 06.04.2024 Date of first issue: 11.10.2022
	Hazard Labels	Identification Number	:	90 9	
	IMDG Packing Labels EmS C		:	III 9 F-A, S-F	
	aircraft	g instruction (cargo ) g instruction (LQ)	:	964 Y964 III Miscellaneous	
	Packing ger airc	g instruction (LQ)	:	964 Y964 III Miscellaneous	
14.5	Enviro	nmental hazards			
	<b>ADN</b> Enviror	mentally hazardous	:	yes	
	<b>ADR</b> Enviror	mentally hazardous	:	yes	
	<b>RID</b> Enviror	mentally hazardous	:	yes	
	<b>IMDG</b> Marine	pollutant	:	yes	
		Passenger) mentally hazardous	:	yes	
	IATA (O Enviror	Cargo) mentally hazardous	:	yes	
	•	I precautions for use		vided herein are fr	or informational purposes only, and solely

The transport classification(s) provided herein are for informational purposes only, and solely 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 variations in regional or country regulations.

#### 14.7 Maritime transport in bulk according to IMO instruments

Remarks

: Not applicable for product as supplied.

#### **SECTION 15: Regulatory information**

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

REACH - Restrictions on the manufacture, placing on : Conditions of restriction for the fol-

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



# Chlorhexidine (0.8%) Liquid Formulation

Version 4.0	Revision Date: 06.09.2024	SDS Number: 10863940-00009		f last issue: 06.04.2 f first issue: 11.10.2		
mixtu	arket and use of certain res and articles (Annex CH - Restrictions on the		lowing entries should be considered: Number on list 3			
the m	arket and use of certain res and articles (Annex	dangerous substances		Number on list 46a.: Nonylphenol, ethoxylated		
				Number on list 46 ethoxylated	b: Nonylphenol,	
the m	CH - Restrictions on the arket and use of certain res and articles (Annex	dangerous substances				
mad				here according to in the regulation, i use/purpose or th restriction. Please tions in correspon determine whethe	nixture(s) are listed their appearance irrespective of their e conditions of the refer to the condi- iding Regulation to er an entry is appli- ng on the market or	
	CH - Candidate List of S ern for Authorisation (Ar		n :	Nonylphenol, etho	oxylated	
Regu layer	lation (EC) on substanc	es that deplete the ozo	ne :	Not applicable		
	lation (EU) 2019/1021 o (recast)	on persistent organic po	llu- :	Not applicable		
ment	lation (EU) No 649/2012 and the Council concern ngerous chemicals		Nonylphenol, etho	oxylated		
REAC	CH - List of substances s ex XIV)	:	Nonylphenol, etho	oxylated		
Seve	so III: Directive 2012/18		t and of the Council	l on the control of		
E1		ENVIRONMENTA HAZARDS		Quantity 1 100 t	Quantity 2 200 t	

#### Other regulations:

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

#### 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**

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



### Chlorhexidine (0.8%) Liquid Formulation

Versio 4.0	on	Revision Date: 06.09.2024		DS Number: 863940-00009	Date of last issue: 06.04.2024 Date of first issue: 11.10.2022	
C	Other information		:	Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.		
F	Full tex	t of H-Statements				
F	1226		:	Flammable liquid	and vapour.	
F	1302		:	Harmful if swallowed.		
F	1304		:	May be fatal if sw	allowed and enters airways.	
F	H315		:	Causes skin irrita	tion.	
F	<del>1</del> 317		:		ergic skin reaction.	
	H318		:	Causes serious e		
	1319		:	Causes serious e		
F	1373		:		ge to organs through prolonged or repeated	
				exposure.		
	1400		:	Very toxic to aquatic life.		
-	4410		:	Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects.		
F	4411			I oxic to aquatic II	te with long lasting effects.	
F	Full tex	t of other abbreviat	ions			
A	Acute 7	ox.	:	Acute toxicity		
		: Acute	:	Short-term (acute		
		: Chronic	:		ic) aquatic hazard	
	Asp. To		:	Aspiration hazard		
	Eye Da		:	Serious eye dama	age	
	Eye Irri		:	Eye irritation		
	lam. L		:	Flammable liquid	3	
-	Skin Irr		:	Skin irritation		
-	Skin Se	-	:	Skin sensitisation		
5	STOT F	<e .<="" td=""><td>:</td><td>Specific target or</td><td>gan toxicity - repeated exposure</td></e>	:	Specific target or	gan toxicity - repeated exposure	

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AllC - 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



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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; 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; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

#### 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/		
Classification of the mixtu	re:		Classification procedure:	
Eye Dam. 1	H3	18	Calculation method	
Skin Sens. 1	H3	17	Calculation method	
Aquatic Chronic 1	H4	10	Calculation method	

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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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