according to the Hazardous Products Regulations



Chlorhexidine (4.79%) Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 11/21/2023
2.1	09/06/2024	10839984-00007	Date of first issue: 08/25/2022

SECTION 1. IDENTIFICATION

Product name	:	Chlorhexidine (4.79%) Formulation
Other means of identification	:	Hibitane (A000585)

Manufacturer or supplier's details

Company name of supplier	:	Merck & Co., Inc
Address	:	126 E. Lincoln Avenue
		Rahway, New Jersey U.S.A. 07065
Telephone	:	908-740-4000
Emergency telephone	:	1-908-423-6000
E-mail address	:	EHSDATASTEWARD@merck.com

Recommended use of the chemical and restrictions on use

Recommended use	:	Veterinary product
Restrictions on use	:	Not applicable

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accore	dan	ce with the Hazardous Products Regulations
Eye irritation	:	Category 2A
Specific target organ toxicity - repeated exposure	:	Category 2 (Liver)
GHS label elements		
Hazard pictograms	:	
Signal Word	:	Warning
Hazard Statements	:	H319 Causes serious eye irritation. H373 May cause damage to organs (Liver) through prolonged or repeated exposure.
Precautionary Statements	:	 Prevention: P260 Do not breathe mist or vapors. P264 Wash skin thoroughly after handling. P280 Wear eye protection and face protection. Response: P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P314 Get medical attention if you feel unwell. P337 + P313 If eye irritation persists: Get medical attention.
		Disposal:

according to the Hazardous Products Regulations



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

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

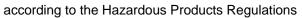
Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
Chlorhexidine	No data availa- ble	55-56-1	4.79
Nonylphenol, ethox- ylated	Poly(oxy-1,2- ethanediyl), .alp ha (nonylphenyl)- .omega hydroxy-	9016-45-9	1.25

SECTION 4. FIRST AID MEASURES

General advice	:	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
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 soap and plenty of water. Get medical attention if symptoms occur.
In case of eye contact	:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention.
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	:	Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure.
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).
Notes to physician	:	Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water spray Alcohol-resistant foam Carbon dioxide (CO2)





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				Dry chemical	
	Unsuita media	able extinguishing	:	None known.	
	Specific fighting	c hazards during fire	:	Exposure to comb	pustion products may be a hazard to health.
	Hazard ucts	ous combustion prod-	:	Carbon oxides	
	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
		protective equipment fighters	:		e, wear self-contained breathing apparatus. ective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	Use personal protective equipment. Follow safe handling advice (see section 7) and personal protective equipment 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.
Methods and materials for containment and cleaning up	Soak up with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7. HANDLING AND STORAGE

according to the Hazardous Products Regulations



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Local Advic Cond	nical measures /Total ventilation e on safe handling itions for safe storage rials to avoid	CONTROLS/P Use only with a Do not breather Do not swallow Do not get in e Avoid prolonge Wash skin tho Handle in accord practice, based assessment Take care to p environment. Keep in proper Store in accord	eyes. ed or repeated contact with skin. roughly after handling. ordance with good industrial hygiene and safety d on the results of the workplace exposure revent spills, waste and minimize release to the rly labeled containers. dance with the particular national regulations. rith the following product types:
		04000	

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	
		exposure)	concentration	
Chlorhexidine	55-56-1	TWA	40 µg/m3 (OEB 3)	Internal
	Further infor	mation: RSEN, D	SEN	
		Wipe limit	100 µg/100 cm2	Internal
B	All engineer design and protect prod Containmen are required the compou containmen Minimize op	operated in acco lucts, workers, ar It technologies su I to control at sou nd to uncontrolle	Ild be implemented by rdance with GMP print and the environment. uitable for controlling c urce and to prevent mig d areas (e.g., open-fac	ciples to ompounds gration of
Personal protective equip			ntilation is not available	

Ingredients with workplace control parameters

Respiratory protection Filter type	:	If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection. Particulates type
Hand protection		
Material	:	Chemical-resistant gloves
Remarks Eye protection	:	Consider double gloving. Wear safety glasses with side shields or goggles.

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		mists or aeroso Wear a faceshie	conment or activity involves dusty conditions, ls, wear the appropriate goggles. eld or other full face protection if there is a ect contact to the face with dusts, mists, or
Skin	and body protection	Additional body task being perfo disposable suits	r laboratory coat. garments should be used based upon the prmed (e.g., sleevelets, apron, gauntlets, b) to avoid exposed skin surfaces. e degowning techniques to remove potentially othing.
Hygi	ene measures	: If exposure to cl eye flushing sys working place. When using do Wash contamin The effective op engineering con appropriate deg	hemical is likely during typical use, provide stems and safety showers close to the not eat, drink or smoke. ated clothing before re-use. beration of a facility should include review of strols, proper personal protective equipment, owning and decontamination procedures, ne monitoring, medical surveillance and the

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Aqueous solution
Color	:	blue
Odor	:	No data available
Odor Threshold	:	No data available
рН	:	5.55 - 6.65 (20 °C)
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	No data available
Evaporation rate	:	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
Vapor pressure	:	No data available

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	Relativ	e vapor density	:	No data available	e	
	Relativ	e density	:	1.010 - 1.020		
	Density	/	:	No data available	e	
	Solubil Wat	ity(ies) ter solubility	:	No data available	e	
		n coefficient: n-	:	Not applicable		
	octano Autoigr	nition temperature	:	No data available	e	
	Decom	position temperature	:	No data available	e	
	Viscosi Visc	ity cosity, kinematic	:	No data available	e	
	Explos	ive properties	:	Not explosive		
	.			—		
	Oxidizi	ng properties	:	The substance o	r mixture is not classified as oxidizing.	
	Molecu	ılar weight	:	No data available	e	
	Particle Particle	e characteristics e size	:	Not applicable		

SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reac- tions	:	Not classified as a reactivity hazard. Stable under normal conditions. Can react with strong oxidizing agents.
Conditions to avoid Incompatible materials Hazardous decomposition products	:	None known. Oxidizing agents No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Skin contact Ingestion Eye contact

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity

: Acute toxicity estimate: > 2,000 mg/kg



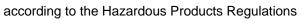


ersion 1	Revision Date: 09/06/2024		9S Number: 839984-00007	Date of last issue: 11/21/2023 Date of first issue: 08/25/2022
			Method: Calculation	on method
Comp	oonents:			
Chlor	hexidine:			
Acute	oral toxicity	:	LD50 Oral (Mouse	e): 1,260 mg/kg
			LD50 Oral (Rabbit	t): 1,100 mg/kg
			LD50 Oral (Rat): 2	2,000 mg/kg
	toxicity (other routes of istration)	:	LD50 (Rat): 21 mg Application Route	
Nony	Iphenol, ethoxylated:			
Acute	oral toxicity	:	LD50 (Rat): 500 -	2,000 mg/kg
-	corrosion/irritation assified based on availa	ble	information.	
Comp	oonents:			
Nony	Iphenol, ethoxylated:			
Speci	es	:	Rabbit	
Metho		:	OECD Test Guide	eline 404
Resul	t	:	No skin irritation	
Serio	us eye damage/eye irri	tati	on	
	es serious eye irritation.			
<u>Comp</u>	ponents:			
Chlor	hexidine:			
Speci	es	:	Rabbit	
Resul		:	Mild eye irritation	
Nonv	Iphenol, ethoxylated:			
Speci	• • •	:	Rabbit	
Resul		:	Irreversible effects	
Metho	bd	:	OECD Test Guide	eline 405
Resp	iratory or skin sensitiza	atio	n	
Skin	sensitization			
Not cl	assified based on availa	ble	information.	
Resp	iratory sensitization			



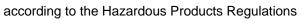


Version 2.1	Revision Date: 09/06/2024		9S Number: 839984-00007	Date of last issue: 11/21/2023 Date of first issue: 08/25/2022
Com	ponents:			
Test	es of exposure ies It		Maximization Tes Skin contact Guinea pig negative Based on data fro	st om similar materials
Not c	n cell mutagenicity lassified based on avai ponents:	lable	information.	
Chlo	rhexidine: otoxicity in vitro	:	Test Type: Bacte Result: negative	rial reverse mutation assay (AMES)
				nosomal aberration nese hamster ovary cells
Geno	otoxicity in vivo	:	Test Type: domin Species: Mouse Result: negative	nant lethal test
			Test Type: Cytog Species: Hamste Result: negative	
Nony	vlphenol, ethoxylated:	:		
Geno	otoxicity in vitro	:	Result: negative	erial reverse mutation assay (AMES) on data from similar materials
Not c	inogenicity lassified based on avai	ilable	information.	
	ponents:			
Spec Appli Expo	cation Route sure time uency of Treatment EL		Rat oral (drinking wat 2 Years daily 38 mg/kg body w negative	
Expo	ies cation Route sure time uency of Treatment	:	Rat oral (drinking wat 2 Years daily	ter)
			8 / 14	





ersion 1	Revision Date: 09/06/2024		OS Number: 839984-00007	Date of last issue: 11/21/2023 Date of first issue: 08/25/2022
NOAI Resul		:	158 mg/kg body negative	^y weight
-	oductive toxicity lassified based on availa	ıble	information.	
Com	ponents:			
	r hexidine: ts on fertility	:		.: 100 mg/kg body weight
Effect	ts on fetal development	:	Species: Rat Developmental	Toxicity: NOAEL: 300 mg/kg body weight
			Species: Rabbit Developmental	Toxicity: NOAEL: 40 mg/kg body weight
Not cl STOT	F-single exposure lassified based on availa F-repeated exposure cause damage to organs			onged or repeated exposure.
	oonents:	(,	
Targe	r hexidine: et Organs ssment	:	Liver May cause dam exposure.	age to organs through prolonged or repeate
Repe	ated dose toxicity			
Com	oonents:			
Speci NOAE Applic		: :	Rat 158 mg/kg Oral 2 y	
Expo		: : : : : : : : : : : : : : : : : : : :	Rabbit 250 mg/kg Dermal 13 Weeks Skin, Liver	
-	ration toxicity lassified based on availa	ble	information.	





Experience with human exposure Components: Chlorhexidine: General Information : Symptoms: Asthmatic appearance, bronchospasm, or in the chest, upper respiratory tract infection Ingestion : Target Organs: Gastrointestinal tract Symptoms: Gastrointestinal disturbance, Gastrointes damage SECTION 12. ECOLOGICAL INFORMATION Ecotoxicity Components: Chlorhexidine: Toxicity to fish : Provide to daphnia and other aquatic invertebrates : Toxicity to daphnia and other aquatic invertebrates : ECOS (Daphnia magna (Water flea)): 0.222 mg/l Exposure time: 48 h Method: ECOSAR (Ecological Structure Activity Rela ships) Toxicity to algae/aquatic plants : ECS0 (Pseudokirchneriella subcapitata (green algae mg/l End point: Growth rate Exposure time: 96 hrs Method: ECOSAR (Ecological Structure Activity Rela ships) Nonylphenol, ethoxylated: : Toxicity to fish : EC50 (Pseudokirchneriella subcapitata (green algae ships) Nonylphenol, ethoxylated: : EC50 (Pseudokirchneriella subcapitata (green algae ships) Nonylphenol, ethoxylated: : EC50 (Pimephales promelas (fathead minnow)): > 0. Exposure time: 96 hrs Remarks: Ba	ersion .1	Revision Date: 09/06/2024		98 Number: 839984-00007	Date of last issue: 11/21/2023 Date of first issue: 08/25/2022
Chlorhexidine: General Information :: Symptoms: Headache Inhalation :: Target Organs: Lungs Symptoms: Asthmatic appearance, bronchospasm, of in the chest, upper respiratory tract infection Ingestion :: Target Organs: Gastrointestinal tract Symptoms: Gastrointestinal disturbance, Gastrointestinal tract Symptoms: Assignment of the components: Chlorhexidine: Toxicity to fish : (Fish): 2.088 mg/l Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 0.222 mg/l aquatic invertebrates : EC50 (Pseudokirchneriella subcapitata (green algae mg/l Plants : ErC50 (Pseudokirchneriella subcapitata (green algae mg/l End point: Growth rate : : Exposure time: 96 hrs Method: ECOSAR (Ecological Structure Activity Rela ships) Nonylphenol, ethoxylated: : LC50 (Pimephales promel	Expe	rience with human exp	osi	ire	
General Information :: Symptoms: Headache Inhalation :: Target Organs: Lungs Symptoms: Asthmatic appearance, bronchospasm, of in the chest, upper respiratory tract infection Ingestion :: Target Organs: Gastrointestinal tract Symptoms: Gastrointestinal tract Symptoms: Gastrointestinal disturbance, Gastrointestinal tract ECTION 12. ECOLOGICAL INFORMATION Ecotoxicity Components: Chlorhexidine: Toxicity to fish : aquatic invertebrates : Paquatic invertebrates : Plants : Possure time: 48 h Method: ECOSAR (Ecological Structure Activity Relaships) Toxicity to algae/aquatic : Plants : : Nonylphenol, ethoxylated: : Toxicity to fish : : Toxicity to fish : : Toxicity to fish : :	<u>Com</u>	oonents:			
Inhalation : Target Organs: Lungs Symptoms: Asthmatic appearance, bronchospasm, of in the chest, upper respiratory tract infection Ingestion : Target Organs: Gastrointestinal tract Symptoms: Gastrointestinal disturbance, Gastrointes damage ECTION 12. ECOLOGICAL INFORMATION Ecotoxicity Components: Chlorhexidine: Toxicity to fish : (Fish): 2.088 mg/l Exposure time: 96 h Method: ECOSAR (Ecological Structure Activity Rela ships) Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.222 mg/l Exposure time: 48 h Method: ECOSAR (Ecological Structure Activity Rela ships) Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae mg/l End point: Growth rate Exposure time: 96 hrs Method: ECOSAR (Ecological Structure Activity Rela ships) Nonylphenol, ethoxylated: : EC50 (Ceriodaphnia dubia (water flea)): > 0.1 - 1 mg 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 Exposure time: 78 h Remarks: Based on data from similar materials Toxicity to algae/aquatic plants : ErC50 (Selenastrum capricornutum (green algae)): > mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials	Chlo	rhexidine:			
damage ECTION 12. ECOLOGICAL INFORMATION Ecotoxicity Components: Chlorhexidine: Toxicity to fish : (Fish): 2.088 mg/l Exposure time: 96 h Method: ECOSAR (Ecological Structure Activity Rela ships) Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.222 mg/l Exposure time: 48 h Method: ECOSAR (Ecological Structure Activity Rela ships) Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae mg/l Exposure time: 96 hrs Method: ECOSAR (Ecological Structure Activity Rela ships) Nonylphenol, ethoxylated: : : LC50 (Pimephales promelas (fathead minnow)): > 0. 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 Exposure time: 48 h Remarks: Based on data from similar materials Toxicity to algae/aquatic plants : : ErC50 (Selenastrum capricornutum (green algae)): > mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials	Inhala	ation	:	Target Organs: L Symptoms: Asthr in the chest, uppe Target Organs: G	ungs matic appearance, bronchospasm, discomfo er respiratory tract infection Gastrointestinal tract
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plantsmg/l End point: Growth rate Exposure time: 96 hrs Method: ECOSAR (Ecological Structure Activity Rela ships)Nonylphenol, ethoxylated: Toxicity to fish:LC50 (Pimephales promelas (fathead minnow)): > 0. Exposure time: 96 h Remarks: Based on data from similar materialsToxicity to daphnia and other aquatic invertebrates:EC50 (Ceriodaphnia dubia (water flea)): > 0.1 - 1 mg Exposure time: 48 h Remarks: Based on data from similar materialsToxicity to algae/aquatic plants:ErC50 (Selenastrum capricornutum (green algae)): > mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials			:	Exposure time: 4 Method: ECOSA	8 h
 Toxicity to fish LC50 (Pimephales promelas (fathead minnow)): > 0. 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 Exposure time: 48 h Remarks: Based on data from similar materials Toxicity to algae/aquatic plants ErC50 (Selenastrum capricornutum (green algae)): > mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials 			:	mg/l End point: Growt Exposure time: 9 Method: ECOSA	h rate 6 hrs
 Toxicity to fish LC50 (Pimephales promelas (fathead minnow)): > 0. 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 Exposure time: 48 h Remarks: Based on data from similar materials Toxicity to algae/aquatic plants ErC50 (Selenastrum capricornutum (green algae)): > mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials 	Nony	Iphenol, ethoxylated:			
aquatic invertebratesExposure time: 48 h Remarks: Based on data from similar materialsToxicity to algae/aquatic plants:ErC50 (Selenastrum capricornutum (green algae)): > mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials	-		:	Exposure time: 9	6 h
plants mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials			:	Exposure time: 4	8 h
			:	mg/l Exposure time: 7 Method: OECD T	2 h Test Guideline 201
EC10 (Selenastrum capricornutum (green algae)): >				EC10 (Selenastro	um capricornutum (green algae)): > 1 mg/l

according to the Hazardous Products Regulations



Chlorhexidine (4.79%) Formulation

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			Exposure time: 72 Method: OECD To Remarks: Based of		
Toxi icity	city to fish (Chronic tox-)	:	Exposure time: 10	atipes (Japanese medaka)): > 0.1 - 1 mg/l 00 d on data from similar materials	
aqua	city to daphnia and other atic invertebrates (Chron- xicity)	:	NOEC (Mysidopsis bahia (opossum shrimp)): > 0.001 - 0.01 mg/l Exposure time: 28 d Remarks: Based on data from similar materials		
Pers	sistence and degradabili	ty			
<u>Con</u>	nponents:				
	orhexidine: legradability	:	Remarks: Not inh	erently biodegradable.	
	ylphenol, ethoxylated: legradability	:	: Result: Not readily biodegradable. Remarks: Based on data from similar materials		
Bioa	accumulative potential				
<u>Con</u>	nponents:				
Part	orhexidine: ition coefficient: n- nol/water	:	log Pow: 4.85		
Part	ylphenol, ethoxylated: ition coefficient: n- nol/water	:	log Pow: 4.48		
	ility in soil lata available				
Oth	er adverse effects data available				

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	:	Do not dispose of waste into sewer.
		Dispose of in accordance with local regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste handling site for recycling or disposal.
		If not otherwise specified: Dispose of as unused product.

according to the Hazardous Products Regulations



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SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number	:	UN 3082
Proper shipping name	÷	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
		N.O.S.
		(Chlorhexidine, Nonylphenol, ethoxylated)
Class	:	9
Packing group	÷	
Labels Environmentally hazardous		9
•	·	yes
IATA-DGR		
UN/ID No.	:	UN 3082
Proper shipping name	:	Environmentally hazardous substance, liquid, n.o.s. (Chlorhexidine, Nonylphenol, ethoxylated)
Class	:	9
Packing group	:	
Labels	:	Miscellaneous
Packing instruction (cargo aircraft)	:	964
Packing instruction (passen- ger aircraft)	:	964
Environmentally hazardous	:	yes
IMDG-Code		
UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
		N.O.S.
		(Chlorhexidine, Nonylphenol, ethoxylated)
Class	:	9
Packing group	:	
Labels	:	9
EmS Code	:	F-A, S-F
Marine pollutant	:	yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

TDG		
UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Chlorhexidine, Nonylphenol, ethoxylated)
Class	:	9
Packing group	:	III
Labels	:	9
ERG Code	:	171
Marine pollutant	:	yes(Chlorhexidine, Nonylphenol, ethoxylated)



according to the Hazardous Products Regulations

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Special precautions for user

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.

SECTION 15. REGULATORY INFORMATION

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

SECTION 16. OTHER INFORMATION

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



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	es of key data used to le the Material Safety Sheet	:		data, data from raw material SDSs, OECD arch results and European Chemicals Agen- ropa.eu/
	Revision Date Date format		09/06/2024 mm/dd/yyyy	

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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