

Vers 4.0	ion	Revision Date: 06.09.2024		S Number: 63770-00008		sue: 27.11.2023 sue: 11.10.2022
Sect	Section 1: Identification					
	Produc	t name	:	Chlorhexidine (0.	.8%) Liquid Forr	nulation
	Other n	neans of identification	:	Coopers Hibitane	e Disinfectant (3	6230)
	Manufa Compa	acturer or supplier's c ny	letai :	i ls MSD		
	Addres	S	:	33 Whakatiki Stre Upper Hutt - New		g 908
	Telepho	one	:	0800 800 543		
	Emerge	ency telephone number	r:	0800 764 766 (08 CHEMCALL)	800 POISON)	0800 243 622 (0800
	E-mail :	address	:	EHSDATASTEW	/ARD@msd.con	n
		mended use of the cl	nem			
		mended use tions on use	:	Veterinary produ Not applicable	ct	

Section 2: Hazard identification

GHS Classification Serious eye damage/eye irri- tation	:	Category 1
Skin sensitisation	:	Category 1
Hazardous to the aquatic environment - chronic hazard	:	Category 1
GHS label elements		
Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H410 Very toxic to aquatic life with long lasting effects.





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Preca	utionary statements	P272 Contamir the workplace. P273 Avoid rele	eathing mist or vapours. hated work clothing should not be allowed out of ease to the environment. tective gloves/ eye protection/ face protection.
		P305 + P351 + water for severa and easy to do. CENTER/ docto P333 + P313 If vice/ attention.	skin irritation or rash occurs: Get medical ad- ake off contaminated clothing and wash it before
		Disposal: P501 Dispose o disposal plant.	of contents/ container to an approved waste

Other hazards which do not result in classification

None known.

Section 3: Composition/information on ingredients

Substance / Mixture :	:	Mixture
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Components

Chemical name	CAS-No.	Concentration (% w/w)
Nonylphenol, ethoxylated	9016-45-9	>= 3 -< 10
Pine oil	8002-09-3	>= 1 -< 2.5
Chlorhexidine	55-56-1	>= 0.25 -< 1

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 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	: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.



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Most i and e delaye Protec	llowed important symptoms ffects, both acute and ed ction of first-aiders	::	Get medical atter If swallowed, DO Get medical atter Rinse mouth thor May cause an all Causes serious e First Aid respond and use the recor when the potentia	NOT induce vomiting. Ition if symptoms occur. oughly with water. ergic skin reaction.
Section 5:	Fire-fighting measure	s		
Suitat	ble extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (0 Dry chemical	
Unsui media	table extinguishing	:	None known.	
Speci [:] fightin	fic hazards during fire- Ig	:	Exposure to com	bustion products may be a hazard to health.
Hazar ucts	dous combustion prod-	:	Carbon oxides	
Speci ods	fic extinguishing meth-	:	cumstances and Use water spray	g measures that are appropriate to local cir- the surrounding environment. to cool unopened containers. ged containers from fire area if it is safe to do
	al protective equipment efighters	:		e, wear self-contained breathing apparatus. tective equipment.
	nem Code		3Z	

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective 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.



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		Local authoritie cannot be cont	es should be advised if significant spillages ained.
	ods and materials for ainment and cleaning up	For large spills, ment to keep m be pumped, sto Clean up rema bent. Local or nation posal of this ma employed in the mine which reg	ert absorbent material. provide dyking or other appropriate contain- naterial from spreading. If dyked material can pre recovered material in appropriate container. ining materials from spill with suitable absor- al regulations may apply to releases and dis- aterial, as well as those materials and items e cleanup of releases. You will need to deter- julations are applicable. d 15 of this SDS provide information regarding
			national requirements.
Section 7	: Handling and storage		
Tech	nical measures		ng measures under EXPOSURE
	l/Total ventilation ce on safe handling	 Use only with a Do not get on s Avoid breathing Do not swallow Do not get in ey Handle in acco practice, based sessment Keep container 	g mist or vapours. yes. rdance with good industrial hygiene and safety on the results of the workplace exposure as-
II Hygie	ene measures	flushing system place. When using do Contaminated workplace. Wash contamin The effective o engineering co appropriate des	chemical is likely during typical use, provide eye as and safety showers close to the working not eat, drink or smoke. work clothing should not be allowed out of the nated clothing before re-use. peration of a facility should include review of ntrols, proper personal protective equipment, gowning and decontamination procedures, ne monitoring, medical surveillance and the
Conc	litions for safe storage	: Keep in proper Keep tightly clo	ly labelled containers.
Mate	rials to avoid		th the following product types:



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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
Chlorhexidine	55-56-1	TWA	40 µg/m3 (OEB 3)	Internal
	Further information: RSEN, DSEN			
		Wipe limit	100 µg/100 cm2	Internal

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 con- tainment devices). Minimize open handling.
Personal protective equipmer	nt	
Respiratory protection	:	No personal respiratory protective equipment normally re- quired.
Hand protection		
Material	:	Chemical-resistant gloves
Remarks	:	Consider double gloving.
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. Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, dis- posable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially
		contaminated clothing.

Section 9: Physical and chemical properties

Appearance	:	liquid
Colour	:	clear, Hazy, yellow
Odour	:	pine

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Odc	our Threshold	:	No data available	e
pН		:	No data available	e
Melt	ting point/freezing point	:	No data available	e
Initia rang	al boiling point and boiling ge	:	No data available	9
Flas	sh point	:	No data available	9
Eva	poration rate	:	No data available	9
Flar	nmability (solid, gas)	:	Not applicable	
Flar	nmability (liquids)	:	No data available	9
	per explosion limit / Upper Imability limit	:	No data available	9
	ver explosion limit / Lower Imability limit	:	No data available	9
Vap	our pressure	:	No data available	9
Rela	ative vapour density	:	No data available	9
Rela	ative density	:	No data available	9
Den	isity	:	No data available	9
	ubility(ies) Water solubility	:	No data available	9
	tition coefficient: n- anol/water	:	Not applicable	
	o-ignition temperature	:	No data available	9
Dec	composition temperature	:	No data available	9
	cosity /iscosity, kinematic	:	No data available	9
Exp	losive properties	:	Not explosive	
Oxic	dizing properties	:	The substance o	r mixture is not classified as oxidizing.
Mol	ecular weight	:	No data available	9
	ticle characteristics ticle size	:	No data available	9



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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

Exposure routes	: 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 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 available information.



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Com	ponents:			
	vlphenol, ethoxylated	Į.		
Speci	•	:	Rabbit	
Metho Resu		:	OECD Test Guid No skin irritation	
Pine Speci	-		Rabbit	
Resu		÷	Skin irritation	
Rema	arks	:	Based on data fr	om similar materials
Serio	ous eye damage/eye	irritat	ion	
Caus	es serious eye damag	je.		
Com	ponents:			
	Iphenol, ethoxylated	l:		
Speci Resu		:	Rabbit Irreversible effect	ts on the eve
Metho		:	OECD Test Guid	
Pine	oil:			
Speci		:	Bovine cornea	
Metho Rema		:	OECD Test Guid Based on data fr	deline 437 rom similar materials
Resu	lt	:	No eye irritation	
Chlo	rhexidine:			
Speci	ies	:	Rabbit	
Resu	lt	:	Mild eye irritation	ו
Resp	iratory or skin sensi	tisatio	on	
Skin	sensitisation			
May o	cause an allergic skin	reacti	on.	
-	iratory sensitisation			
	lassified based on ava	ailable	information.	
	ponents:			
Nony Test	riphenol, ethoxylated	l:	Maximisation Te	et
Expo	sure routes	:	Skin contact	
Speci Resu		:	Guinea pig negative	
Rema		÷		om similar materials



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Pine Asses Rema	ssment	 Probability or evidence of skin sensitisation in humans Based on data from similar materials
Chro	nic toxicity	
Not c	n cell mutagenicity lassified based on ava ponents:	ilable information.
Nony	Iphenol, ethoxylated	
Geno	toxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Result: negative Remarks: Based on data from similar materials
Pine	oil:	
Geno	toxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative Remarks: Based on data from similar materials
		Test Type: DNA damage and repair, unscheduled DNA syn- thesis in mammalian cells (in vitro) Method: OPPTS 870.5550 Result: negative Remarks: Based on data from similar materials
Geno	toxicity in vivo	 Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Application Route: Intraperitoneal injection Method: OPPTS 870.5395 Result: negative Remarks: Based on data from similar materials
Chlo	rhexidine:	
Geno	toxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Result: negative
		Test Type: Chromosomal aberration Test system: Chinese hamster ovary cells Result: negative
Geno	toxicity in vivo	: Test Type: dominant lethal test Species: Mouse Result: negative
		Test Type: Cytogenetic assay Species: Hamster Result: negative



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Carcinogenicity

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 Application Route Exposure time Frequency of Treatment NOAEL Result	 Rat oral (drinking water) 2 Years daily 158 mg/kg body weight negative

Reproductive toxicity

Not classified based on available information.

Components:

Pine oil:

Effects on foetal develop- ment	: Test Type: Embryo-foetal development Species: Rat Application Route: Ingestion Method: OECD Test Guideline 414 Result: negative Remarks: Based on data from similar materials
Chlorhexidine:	

Effects on fertility :	Species: Rat Fertility: NOAEL: 100 mg/kg body weight
Effects on foetal develop- : ment	Species: Rat Developmental Toxicity: NOAEL: 300 mg/kg body weight
	Species: Rabbit Developmental Toxicity: NOAEL: 40 mg/kg body weight

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.



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_			
Com	ponents:		
	rhexidine:		
	et Organs ssment	: Liver : May cause da exposure.	amage to organs through prolonged or repeated
Repe	ated dose toxicity		
Com	ponents:		
Pine	oil:		
	EL cation Route sure time	: Rat : > 200 mg/kg : Skin contact : 90 Days : Based on dat	ta from similar materials
Chlo	rhexidine:		
		: Rat : 158 mg/kg : Oral : 2 yr	
Expo		: Rabbit : 250 mg/kg : Dermal : 13 Weeks : Skin, Liver	
Aspii	ration toxicity lassified based on ava		
<u>Com</u>	ponents:		
<u>Com</u> Pine			

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.

Experience with human exposure

Components:

Chlorhexidine:

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



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Section 12: Ecological information

Ecotoxicity

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-	:	1
icity) Toxicity to fish (Chronic tox- icity)	:	NOEC (Oryzias latipes (Japanese medaka)): > 0.1 - 1 mg/l Exposure time: 100 d Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	NOEC (Mysidopsis bahia (opossum shrimp)): > 0.001 - 0.01 mg/l Exposure time: 28 d 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:		
Toxicity to fish	:	(Fish): 2.088 mg/l





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			Exposure time: 96 Method: ECOSAF ships)	მ h R (Ecological Structure Activity Relation-
	ity to daphnia and other tic invertebrates	:	Exposure time: 48	nagna (Water flea)): 0.222 mg/l 3 h R (Ecological Structure Activity Relation-
Toxic plants	ity to algae/aquatic	:	mg/l End point: Growth Exposure time: 96	
	ctor (Acute aquatic tox-	:	1	
icity) M-Fa toxicit	ctor (Chronic aquatic ty)	:	1	
Persi	stence and degradabil	ity		
<u>Com</u>	ponents:			
	Iphenol, ethoxylated: gradability	:	Result: Not readil Remarks: Based	y biodegradable. on data from similar materials
Pine	oil:			
Biode	gradability	:	Result: Readily bi Remarks: Based	odegradable. on data from similar materials
Chlo	r hexidine: egradability	:	Remarks: Not inh	erently biodegradable.
Bioad	ccumulative potential			
<u>Com</u>	ponents:			
Partit	r Iphenol, ethoxylated: ion coefficient: n- ol/water	:	log Pow: 4.48	
Pine	oil:			
	ion coefficient: n- ol/water	:	log Pow: > 4 Remarks: Calcula	ation
Chlo	rhexidine:			
	ion coefficient: n- ol/water	:	log Pow: 4.85	
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	l ity in soil ata available			
	r adverse effects			
	ata available			
Section 1	3: Disposal considerat	ion	5	
Dispo	osal methods			
Waste	e from residues	:		of waste into sewer. cordance with local regulations.
Conta	aminated packaging	:	 Empty containers should be taken to an approved wardling site for recycling or disposal. If not otherwise specified: Dispose of as unused productions. 	
Section 1	4: Transport information	on		
Interr	national Regulations			
UNR	TDG			
	umber	:	UN 3082	
	er shipping name	:	ENVIRONMENT N.O.S.	ALLY HAZARDOUS SUBSTANCE, LIQUID
Class			9	Nonyiphenoi, ethoxylated)
	ng group	÷	Ĩ	
Label		:	9	
Envir	onmentally hazardous	:	yes	
ΙΑΤΑ	-DGR			
UN/IE	-	:	UN 3082	
Prope	er shipping name	:		hazardous substance, liquid, n.o.s. Nonylphenol, ethoxylated)
Class		:	9	
	ng group	:	III Mississing and	
Label				
	ng instruction (cargo	:	Miscellaneous 964	
aircra Packi	ng instruction (cargo ft) ng instruction (passen-	:		
aircra Packi ger ai	ng instruction (cargo ft)	:	964	
aircra Packi ger ai Enviro	ng instruction (cargo ft) ng instruction (passen- rcraft)	:	964 964	
aircra Packi ger ai Envire IMDG	ng instruction (cargo ft) ng instruction (passen- rcraft) onmentally hazardous	:	964 964	
aircra Packi ger ai Enviro IMDG UN n	ng instruction (cargo ft) ng instruction (passen- rcraft) onmentally hazardous i-Code	:	964 964 yes UN 3082 ENVIRONMENT N.O.S.	
aircra Packi ger ai Envire IMDG UN ni Prope	ng instruction (cargo ft) ng instruction (passen- rcraft) onmentally hazardous G-Code umber er shipping name	:	964 964 yes UN 3082 ENVIRONMENT N.O.S. (Chlorhexidine, I	ALLY HAZARDOUS SUBSTANCE, LIQUID
aircra Packi ger ai Enviro IMDG UN ni Prope	ng instruction (cargo ft) ng instruction (passen- rcraft) onmentally hazardous i-Code umber er shipping name		964 964 yes UN 3082 ENVIRONMENT N.O.S. (Chlorhexidine, I 9	ALLY HAZARDOUS SUBSTANCE, LIQUID
aircra Packi ger ai Enviro IMDG UN ni Prope Class Packi	ng instruction (cargo ft) ng instruction (passen- rcraft) onmentally hazardous i-Code umber er shipping name	· · · · · · · · · · · · · · · · · · ·	964 964 yes UN 3082 ENVIRONMENT N.O.S. (Chlorhexidine, 1 9 III	
aircra Packi ger ai Enviro IMDG UN ni Prope	ng instruction (cargo ft) ng instruction (passen- rcraft) onmentally hazardous G-Code umber er shipping name	· · · · · · · · · · · · · · · · · · ·	964 964 yes UN 3082 ENVIRONMENT N.O.S. (Chlorhexidine, I 9	





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

Not applicable for product as supplied.

National Regulations

NZS 5433 UN number Proper shipping name	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Chlorhexidine, Nonylphenol, ethoxylated)
Class	:	9
Packing group	:	
Labels	:	9
Hazchem Code	:	3Z
Marine pollutant	:	no

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

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

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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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 Agency, http://echa.europa.eu/

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

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 - Verv Persistent and Verv 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





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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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