

Version 1.0	Revision Date: 09.04.2018	SDS Number: 400000000438	Date of last issue: - Date of first issue: 09.04.2018					
SECTI	ON 1: Identification of	the substance	mixture and of the company/undertaking					
	duct identifier ade name	: PURELL®	Advanced Hygienic Hand Rub					
			mixture and uses advised against					
Use of the Substance/Mixture			Human hygiene biocidal products					
1.3 Det	ails of the supplier of the	e safety data she	et					
Company		Units 5 & 6,	stries-Europe Ltd. Stratus Park ilton Keynes, MK10 0DE					
Te	lephone	: +44(0) 1908	3588444					
Те	lefax	: +44(0) 1908	3588445					
	1.4 Emergency telephone number							

+44(0) 8445605135

### **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)				
Flammable liquids, Category 3	H226: Flammable liquid and vapour.			

Eye irritation, Category 2

H319: Causes serious eye irritation.

### 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)					
Hazard pictograms	:				
Signal word	:	Warning			
Hazard statements	:	<ul><li>H226 Flammable liquid and vapour.</li><li>H319 Causes serious eye irritation.</li></ul>			
Precautionary statements	:	Prevention:			



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		- No smoking. P233 Keep con P240 Ground/b P241 Use explo equipment. P242 Use only P243 Take pred	ay from heat/sparks/open flames/hot surfaces. tainer tightly closed. ond container and receiving equipment. osion-proof electrical/ ventilating/ lighting/ non-sparking tools. cautionary measures against static discharge. e protection/ face protection.
		<b>Response:</b> P305 + P351 + P water for several and easy to do. C P337 + P313 If attention. P370 + P378 Ir	338 IF IN EYES: Rinse cautiously with minutes. Remove contact lenses, if present
		Storage: P403 + P235 S Disposal:	tore in a well-ventilated place. Keep cool.

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

#### 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.

### **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

#### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
Ethyl Alcohol	64-17-5 200-578-6 Not available	Flam. Liq. 2; H225 Eye Irrit. 2; H319	>= 50 - < 70
Isopropyl Alcohol	67-63-0 200-661-7 Not available	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	>= 1 - < 10

For explanation of abbreviations see section 16.



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#### **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 advice 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 protective clothing If inhaled : If inhaled, remove to fresh air. If symptoms persist, call a physician. In case of skin contact : Wash with water and soap as a precaution. Get medical attention if irritation develops and persists. : In case of contact, immediately flush eyes with plenty of water In case of eye contact for at least 15 minutes. If easy to do, remove contact lens, if worn. Seek medical advice. If swallowed : If swallowed, DO NOT induce vomiting. Obtain medical attention. Rinse mouth with water.

#### 4.2 Most important symptoms and effects, both acute and delayed

Risks	•	Causes	serious	eve	irritation.
		00000	0011040	0,0	minuation

#### 4.3 Indication of any immediate medical attention and special treatment needed

### **SECTION 5: Firefighting measures**

### 5.1 Extinguishing media

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

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting	:	Do not use a solid water stream as it may scatter and spread fire. Cool closed containers exposed to fire with water spray. Flash back possible over considerable distance. May form explosive mixtures in air. Exposure to decomposition products may be a hazard to health.
Hazardous combustion products	:	Carbon oxides



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Specifi	for firefighters	:		ng measures that are appropriate to local	
methods				and the surrounding environment. to cool unopened containers.	
Further information		:	Collect contaminated fire extinguishing water separately must not be discharged into drains. Fire residues and contaminated fire extinguishing water be disposed of in accordance with local regulations.		

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

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

Personal precautions	: Use personal protective equipment.
	Ensure adequate ventilation.
	Remove all sources of ignition.
	Evacuate personnel to safe areas.
	Keep people away from and upwind of spill/leak.
	Material can create slippery conditions.

# 6.2 Environmental precautions

Environmental precautions	<ul> <li>Discharge into the environment must be avoided.</li> <li>Prevent further leakage or spillage if safe to do so.</li> <li>Retain and dispose of contaminated wash water.</li> <li>Local authorities should be advised if significant spillages cannot be contained.</li> </ul>
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#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up	<ul> <li>Non-sparking tools should be used. Soak up with inert absorbent material. Suppress (knock down) gases/vapours/mists with a water spray jet. Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly while observing environmental regulations.</li> </ul>
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### 6.4 Reference to other sections

For personal protection see section 8.

#### **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

Advice on safe handling	: For personal protection see section 8.
	Keep away from heat.
	Use with local exhaust ventilation.
	Avoid contact with eyes.
	·

Advice on protection against : Avoid formation of aerosol. Keep away from sources of



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fire an	d explosion		ignition - No smol of electrostatic ch	king. Take measures to prevent the build up arge.			
Hygier	Hygiene measures		: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.				
7.2 Conditi	ions for safe storage,	inc	luding any incom	patibilities			
	ements for storage and containers	:	Keep in properly l closed in a dry an	o prevent the build up of electrostatic charge. abelled containers. Keep container tightly d well-ventilated place. Store in accordance national regulations.			
Other	data	:	No decomposition	n if stored and applied as directed.			

### 7.3 Specific end use(s)

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

#### 8.1 Control parameters

### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis		
Ethyl Alcohol	64-17-5	TWA	1,000 ppm 1,920 mg/m3	GB EH40		
Further information	Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used					
Isopropyl Alcohol	67-63-0	TWA	400 ppm 999 mg/m3	GB EH40		
		STEL	500 ppm 1,250 mg/m3	GB EH40		

### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Ethyl Alcohol	Workers	Inhalation	Acute local effects	1900 mg/m3
	Workers	Skin contact	Long-term systemic effects	343 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	950 mg/m3
	Consumers	Inhalation	Acute local effects	950 mg/m3
	Consumers	Skin contact	Long-term systemic effects	206 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	114 mg/m3
	Consumers	Ingestion	Long-term systemic effects	87 mg/kg bw/day
Isopropyl Alcohol	Workers	Skin contact	Long-term systemic effects	888 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	500 mg/m3



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		Consumers	Skin contact	Long-term systemi	c 319 mg/kg bw/day
		Consumers	Inhalation	Long-term systemi effects	
		Consumers	Ingestion	Long-term systemi effects	c 26 mg/kg bw/day
Predi	icted No Effect Co	oncentration (P	NEC) according	to Regulation (EC) No	o. 1907/2006:
Subst	tance name	Env	ironmental Comp	partment	Value
Ethyl	Alcohol	Free	sh water		0.96 mg/l
		Mar	ine water	0.79 mg/l	
		Inte	rmittent use/relea	2.75 mg/l	
			age treatment p	580 mg/l	
		Free	sh water sedimer	3.6 mg/kg	
		Mar	ine sediment	2.9 mg/kg	
		Soil		0.63 mg/kg	
		Ora	Oral		
Isopro	opyl Alcohol	Free	Fresh water		140.9 mg/l
		Mar	ine water		140.9 mg/l
		Inte	rmittent use/relea	ase	140.9 mg/l
			age treatment p	lant	2251 mg/l
		Free	sh water sedimer	nt	552 mg/kg
		Mar	ine sediment		552 mg/kg
		Soil			28 mg/kg
				160 mg/kg	

Personal protective equipment							
Eye protection	:	Wear face-shield and protective suit for abnormal processing problems.					
Hand protection Remarks	:	No special protective equipment required.					
Skin and body protection	:	No special protective equipment required.					
Respiratory protection	:	No personal respiratory protective equipment normally required.					
Protective measures	:	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Ensure that eye flushing systems and safety showers are located close to the working place.					

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

### 9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour

: clear



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Odou	ur	:	alcohol-like	
Odou	ur Threshold	:	No data available	9
pН		:	6.5 - 8.5	
Melti	ng point/freezing point	:	No data available	9
Initia rango	l boiling point and boiling e	:	No data available	9
Flash	n point	:	24.00 °C Other information	n: No data available
Evap	poration rate	:	No data available	9
Flam	mability (solid, gas)	:	Not applicable	
Uppe	er explosion limit	:	No data available	9
Lowe	er explosion limit	:	No data available	9
Vapo	our pressure	:	No data available	9
Rela	tive vapour density	:	No data available	e
Dens	sity	:	0.8790 g/cm3	
	bility(ies) /ater solubility	:	soluble	
	tion coefficient: n- nol/water	:	Not applicable	
Auto	-ignition temperature	:	not determined	
Deco	omposition temperature	:	The substance o	r mixture is not classified self-reactive.
Visco V	osity iscosity, kinematic	:	6000 - 17000 mr	n2/s (20 °C)
Explo	osive properties	:	Not explosive	
Oxid	izing properties	:	The substance o	r mixture is not classified as oxidizing.
	information			

# 9.2 Other information

No data available

# **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

Not classified as a reactivity hazard.



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10.2 Cher	nical stability			
Stable	e under normal condit	ions.		
	ibility of hazardous	reaction	ons	
Haza	rdous reactions	:	Vapours may f	orm explosive mixture with air.
10.4 Conc	litions to avoid			
Cond	itions to avoid	:	Heat, flames a	nd sparks.
10.5 Incoi	mpatible materials			
Mater	rials to avoid	:	Strong oxidizir	ng agents
10.6 Haza	rdous decompositio	n prod	ducts	
	azardous decompositi	-		
SECTION	N 11: Toxicological	infor	mation	
11.1 Infor	mation on toxicologi	ical ef	fects	
Inform	nation on likely routes	of :	Inhalation	
expos	sure		Skin contact	
			Eye contact	
Acut	e toxicity			
	lassified based on ava	ailable	information.	
<u>Com</u>	ponents:			
Ethyl	Alcohol:			
-	e oral toxicity	:	LD50 (Rat): > 5	5,000 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): 124	4.7 mg/l
			Exposure time:	
			Test atmosphe	re: vapour
lsopr	opyl Alcohol:			
Acute	e oral toxicity	:	LD50 (Rat): > 5	i,000 mg/kg
Acute	e inhalation toxicity	:	LC50 (Rat): 72.	
			Exposure time: Test atmosphe	
Acute	e dermal toxicity	:	LD50 (Rat): > 5	i,000 mg/kg
Skin	corrosion/irritation			
Not c	lassified based on ava	ailable	information.	
Prod	uct:			
Resu	It: No skin irritation			

Result: No skin irritation



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#### Components:

#### **Ethyl Alcohol:**

Species: Rabbit Method: OECD Test Guideline 404 Result: No skin irritation

#### Isopropyl Alcohol:

Species: Rabbit Result: No skin irritation

#### Serious eye damage/eye irritation

Causes serious eye irritation.

#### **Components:**

#### Ethyl Alcohol:

Species: Rabbit Method: OECD Test Guideline 405 Result: Irritation to eyes, reversing within 21 days

#### Isopropyl Alcohol:

Species: Rabbit Result: Irritation to eyes, reversing within 21 days

#### Respiratory or skin sensitisation

#### Skin sensitisation

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

#### Product:

Result: Does not cause skin sensitisation.

#### **Components:**

#### **Ethyl Alcohol:**

Test Type: Local lymph node assay (LLNA) Exposure routes: Skin contact Species: Mouse Result: negative

#### Isopropyl Alcohol:

Test Type: Buehler Test Exposure routes: Skin contact Species: Guinea pig Method: OECD Test Guideline 406 Result: negative



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Germ	cell mutagenicity			
	assified based on av	vailable	information.	
Comp	oonents:			
Ethyl	Alcohol:			
Geno	toxicity in vitro	:	Test Type: In Result: negativ	vitro mammalian cell gene mutation test ve
Genot	toxicity in vivo	:	Test Type: Ro Species: Mous Application Ro Result: negativ	oute: Ingestion
Isopr	opyl Alcohol:			
Geno	toxicity in vitro	:	Test Type: Ba Result: negativ	cterial reverse mutation assay (AMES) ve
Geno	toxicity in vivo	:	cytogenetic as Species: Mous	se pute: Intraperitoneal injection
	nogenicity assified based on av	vailable	information.	
<u>Comp</u>	oonents:			
Speci Applic Expose Metho	opyl Alcohol: es: Rat cation Route: inhalat sure time: 104 weeks od: OECD Test Guid t: negative	S		
Repro	oductive toxicity			
-	assified based on av	vailable	information.	
<u>Comp</u>	oonents:			
Ethyl	Alcohol:			
Effect	s on fertility	:	Species: Mous Application Ro	oute: Ingestion D Test Guideline 416
Isopr	opyl Alcohol:			
	s on fertility	:	Test Type: Tw Species: Rat Application Ro	o-generation reproduction toxicity study
			10/1	



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		Result: negative	
	ts on foetal opment	: Test Type: Embr Species: Rat Application Rout Result: negative	
	<b>Γ - single exposure</b> lassified based on ava	lable information.	
Com	ponents:		
-	<b>opyl Alcohol:</b> ssment: May cause dro	wsiness or dizziness.	
	<b>F - repeated exposure</b> lassified based on avai		
Repe	ated dose toxicity		

#### **Components:**

#### **Ethyl Alcohol:**

Species: Rat NOAEL: 2,400 mg/kg Application Route: Ingestion Exposure time: 2 y

#### **Isopropyl Alcohol:**

Species: Rat NOAEL: 5000 ppm Application Route: inhalation (vapour) Exposure time: 104 w Method: OECD Test Guideline 413

### Aspiration toxicity

Not classified based on available information.

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

### 12.1 Toxicity

Components:		
Ethyl Alcohol:		
Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 1,000 mg/l Exposure time: 48 h
Toxicity to algae	:	EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l



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			Exposure time: 72 Method: OECD T	2 h est Guideline 201
Тох	cicity to bacteria	:	EC50 (Photobact Exposure time: 0.	erium phosphoreum): 32.1 mg/l .25 h
aqu	cicity to daphnia and other natic invertebrates nronic toxicity)	:	Exposure time: 9	d a magna (Water flea)
	propyl Alcohol: activition to fish	:	LC50 (Pimephale Exposure time: 96	es promelas (fathead minnow)): 10,000 mg/l 6 h
	cicity to daphnia and other latic invertebrates	:	EC50 (Daphnia m Exposure time: 24	nagna (Water flea)): > 10,000 mg/l 4 h
Тох	cicity to bacteria	:	EC50 (Pseudomonas putida): > 1,050 mg/l Exposure time: 16 h	
12.2 Pe	sistence and degradabil	ity		
Co	mponents:			
	<b>yl Alcohol:</b> degradability	:	Result: Readily bi Biodegradation: 4 Exposure time: 20	84 %
	<b>propyl Alcohol:</b> degradability	:	Result: rapidly de	gradable
12.3 Bic	accumulative potential			
Co	mponents:			
Par	yl Alcohol: tition coefficient: n- anol/water	:	log Pow: -0.35	
Par	propyl Alcohol: tition coefficient: n- anol/water	:	log Pow: 0.05	
	<b>bility in soil</b> data available			
12.5 Re	sults of PBT and vPvB as	sse	ssment	
	essment	:	This substance/m	nixture contains no components considered



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				stent, bioaccumulative and toxic (PBT), or nd very bioaccumulative (vPvB) at levels of
12.6 Othe	r adverse effects			
Produ Additi inform	onal ecological	:	There is no data a	available for this product.
SECTION	I 13: Disposal consi	der	ations	
13.1 Wast	e treatment methods			
Produ	ict	:	Dispose of in acc	ordance with local regulations.
Conta	minated packaging	:		used product. should be taken to an approved waste ecycling or disposal.
			Empty containers	used product. se a cutting torch on, the empty drum. should be taken to an approved waste ecycling or disposal.

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

14.1 UN number

ADN	:	UN 1987
ADR	:	UN 1987
RID	:	UN 1987
IMDG	:	UN 1987
ΙΑΤΑ	:	UN 1987
14.2 UN proper shipping name		
ADN	:	ALCOHOLS, N.O.S. (Ethanol, Propan-2-ol)
ADR	:	ALCOHOLS, N.O.S. (Ethanol, Propan-2-ol)
RID	:	ALCOHOLS, N.O.S. (Ethanol, Propan-2-ol)
IMDG	:	ALCOHOLS, N.O.S. (Ethanol, Propan-2-ol)
ΙΑΤΑ	:	Alcohols, n.o.s. (Ethanol, Propan-2-ol)

## 14.3 Transport hazard class(es)



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	ADN		:	3	
	ADR		:	3	
	IMDG		:	3	
	IATA		:	3	
14.4	Packir	ng group			
	Classif	g group ication Code I Identification Number	: :	III F1 30 3	
	Classif Hazaro Labels	g group ication Code I Identification Number restriction code	: : : : : : : : : : : : : : : : : : : :	III F1 30 3 (D/E)	
	Classif	g group ication Code I Identification Number		III F1 30 3	
	IMDG Packin Labels EmS C		:	III 3 F-E, S-D	
	Packin aircraft Packin	g instruction (LQ) g group	:	366 Y344 III Flammable Liquid	ds
	Packin (passe Packin	<b>Passenger)</b> g instruction nger aircraft) g instruction (LQ) g group	:	355 Y344 III Flammable Liquid	
14.5	5 Enviro	onmental hazards			
	ADR Enviror RID	nmentally hazardous	:	no no	
	Enviroi IMDG	nmentally hazardous	:	no	



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Marin	e pollutant	: no			
•	ial precautions for u pplicable	ser			
SECTION	15: Regulatory in	formation			
15.1 Safet mixture	y, health and enviro	nmental regulation	ons/legislation	specific for the	substance or
Parlia	lation (EC) No 649/20 ment and the Council t of dangerous chemic	concerning the ex		Not applicable	
	CH - Candidate List of ern for Authorisation (		ry High :	Not applicable	
	lation (EC) No 1005/2 te the ozone layer	009 on substance	s that :	Not applicable	
Regu pollut	lation (EC) No 850/20 ants	04 on persistent o	rganic :	Not applicable	
	so II - Directive 2003/ <sup>,</sup> ent hazards involving				
6		Flammable	Э.	Quantity 1 5,000 t	Quantity 2 50,000 t
major	so III: Directive 2012/1 -accident hazards inv	olving dangerous	substances.		
P5c			BLE LIQUIDS	5,000 t	50,000 t
34		gasolines : (b) kerose fuels), (c) g (including	diesel fuels, ting oils and ga		25,000 t
Volati	le organic compounds	emissions Volatile org g/l	(integrated poll	4 November 2010 ution prevention a ds (VOC) content: scluding water	nd control)
				-	
The c CH IN	omponents of this p ₩	-		wing inventories	
TSCA	N	: On TSCA	Inventory		
DSL		: On the inv	entory, or in co	mpliance with the	inventory
AICS		: On the inv	entory, or in co	mpliance with the	inventory



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NZIoC		:	On the inventory,	or in compliance with the inventory
ENCS		:	On the inventory,	or in compliance with the inventory
ISHL		:	On the inventory,	or in compliance with the inventory
KECI		:	On the inventory,	or in compliance with the inventory
PICCS	;	:	On the inventory,	or in compliance with the inventory
IECSC	:	:	On the inventory,	or in compliance with the inventory
EINEC	S	:	On the inventory,	or in compliance with the inventory

### 15.2 Chemical safety assessment

### **SECTION 16: Other information**

#### Full text of H-Statements

H225	:	Highly flammable liquid and vapour.
H319	:	Causes serious eye irritation.
H336	:	May cause drowsiness or dizziness.

#### Full text of other abbreviations

Eye Irrit.	:	Eye irritation
Flam. Liq.	:	Flammable liquids
STOT SE	:	Specific target organ toxicity - single exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; 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 of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of



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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; TCSI - Taiwan Chemical Substance 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

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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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