

WM 0/15486	Order number: 0/15486	
Version 2.2	Revision Date 11.05.2021	Print Date 14.07.2021

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

### **1.1 Product identifier**

Trade name	:	SANET SPRAY 10 X 750 ML
Identification number	:	62358, 64782

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture	: Cleaning agent				
	Restricted to professional users.				
1.3 Details of the supplier of the safety data sheet					
Company	: Tana Chemie GmbH Rheinallee 96				

	Rheinallee 96
	55120 Mainz
Telephone	: +49613196403
Telefax	: +4961319642414
E-mail address	: Produktsicherheit@werner-mertz.com
Responsible/issuing person	
Contact person	: Product development / product safety

### 1.4 Emergency telephone number

### 112

Centru za kontrolu otrovanja u Zagrebu na tel. (01) 2348 342

+49(0)6131-19240

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

### 2.1 Classification of the substance or mixture

### 2.2 Label elements

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

Not a hazardous substance or mixture.

Safety data sheet available on request.

## 2.3 Other hazards

No information available.

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

## 3.2 Mixtures

## Hazardous components

Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Registration number		



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citric acid	77-92-9 201-069-1 01-2119457026-42	Eye Irrit. 2; H319	>= 2 - < 5
ethanol	64-17-5 200-578-6 01-2119457610-43	Flam. Liq. 2; H225 Eye Irrit. 2; H319 SCL >= 50 % 2; H319	>= 2 - < 5
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	85586-07-8 287-809-4 01-2119489463-28	Eye Dam. 1; H318 Acute Tox. 4; H302 Skin Irrit. 2; H315 Aquatic Chronic 3; H412 SCL 10 - < 20 % 2; H319 >= 20 % 1; H318	>= 1 - < 2

For explanation of abbreviations see section 16.

### **SECTION 4: First aid measures**

## 4.1 Description of first aid measures

4.1 Description of first aid measure	5			
General advice	: No hazards which require special first aid measures.			
If inhaled	<ul> <li>Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.</li> <li>If symptoms persist, call a physician.</li> </ul>			
In case of skin contact	: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.			
In case of eye contact	: Protect unharmed eye. If easy to do, remove contact lens, if worn. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.			
If swallowed	: Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.			
4.2 Most important symptoms and effects, both acute and delayed				
Symptoms	: No information available.			
Risks	: No information available.			
4.3 Indication of any immediate medical attention and special treatment needed				
Treatment	: For specialist advice physicians should contact the Poisons Information Service.			



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

#### 5.1 Extinguishing media

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
5.2 Special hazards arising from the	sub	ostance or mixture
Specific hazards during firefighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	No hazardous combustion products are known

## 5.3 Advice for firefighters

Special protective firefighters	equipment for	:	In the event of fire, wear self-contained breathing apparatus.
Further informatic	n		Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must 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.	
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### 6.2 Environmental precautions

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

Methods for cleaning up	<ul> <li>Neutralize with chalk, alkali solution or ammonia.</li> <li>Sweep up and shovel.</li> <li>Wipe up with absorbent material (e.g. cloth, fleece).</li> <li>Keep in suitable, closed containers for disposal.</li> </ul>

### 6.4 Reference to other sections

For personal protection see section 8., Treat recovered material as described in the section "Disposal considerations"., Refer to section 15 for specific national regulation.

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

### 7.1 Precautions for safe handling

Advice on safe handling

: For personal protection see section 8. No special handling advice required.



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Advice on protection against fire and explosion	: Normal measures for preventive fire prot	tection.
Hygiene measures	: Wash hands before breaks and at the er	nd of workday.
7.2 Conditions for safe storage, inclu-	luding any incompatibilities	
Requirements for storage areas and containers	: Keep container tightly closed in a dry an at room temperature in the original conta	•
Advice on common storage	: No special restrictions on storage with or	ther products.
Other data	: No decomposition if stored and applied a	as directed.
7.3 Specific end use(s)		
Specific use(s)	: Cleaning agent	

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

## 8.1 Control parameters

Contains no substances with occupational exposure limit values.

DNEL ethanol

64-17-5:

:	End Use: Workers Exposure routes: Inhalation Potential health effects: Acute local effects Value: 1900 mg/m3
	End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 950 mg/m3
	End Use: Workers Exposure routes: Skin contact Potential health effects: Long-term systemic effects Value: 343 mg/kg
	End Use: Consumers Exposure routes: Inhalation Potential health effects: Acute local effects Value: 950 mg/m3
	End Use: Consumers Exposure routes: Skin contact Potential health effects: Long-term systemic effects Value: 206 mg/kg
	End Use: Consumers Exposure routes: Inhalation



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	Potential health effects: Long-term syster Value: 114 mg/m3	nic effects
	End Use: Consumers Exposure routes: Ingestion Potential health effects: Long-term syster Value: 87 mg/kg	nic effects
	End Use: Consumers Exposure routes: Skin contact Potential health effects: Acute local effect Value: 950 mg/m3	ts
Sulfuric acid, mono-C12-14- alkyl esters, sodium salts 85586-07-8:	: End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term syster Value: 285 mg/m3	nic effects
	End Use: Workers Exposure routes: Skin contact Potential health effects: Long-term syster Value: 4060 mg/kg	nic effects
	End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term syster Value: 85 mg/m3	nic effects
	End Use: Consumers Exposure routes: Skin contact Potential health effects: Long-term syster Value: 2440 mg/kg	nic effects
	End Use: Consumers Exposure routes: Ingestion Potential health effects: Long-term syster Value: 24 mg/kg	nic effects
PNEC		
citric acid 77-92-9:	: Fresh water Value: 0,44 mg/l	
	Marine water Value: 0,044 mg/l	
	STP Value: > 1000 mg/l	
	Fresh water sediment Value: 34,6 mg/kg	
	Marine sediment Value: 3,46 mg/kg	
	Soil Value: 33,1 mg/kg	



SANET SPRAY 10 X 750 ML					
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ethanol 64-17-5:	: Fresh water Value: 0,96 mg/l				
	Marine water Value: 0,79 mg/l				
	Fresh water sediment Value: 3,6 mg/kg				
	Soil Value: 0,63 mg/kg				
	STP Value: 580 mg/l				
	intermittent release Value: 2,75 mg/l				
Sulfuric acid, mono-C12-14- alkyl esters, sodium salts 85586-07-8:	: Fresh water Value: 0,131 mg/l				
03300-07-0:	Marine water Value: 0,0131 mg/l				
	STP Value: 1,35 mg/l				
	Fresh water sediment Value: 4,61 mg/kg dry weight (d.w.)				
	Marine sediment Value: 0,461 mg/kg dry weight (d.w.)				
	Soil Value:  0,846 mg/kg dry weight (d.w.)				
8.2 Exposure controls					
Personal protective equipment					
Eye protection	: not required under normal use				
Hand protection					
Material	: not required under normal use				
	For prolonged or repeated contact use protect It is suggested the usage of chemical resistar rubber or nitrile rubber category III according mm). As alternative, a different type of gloves migh to the recommendations of the producer, gua protection.	nt gloves made of butyl to EN 374-1: 2003 (0,4 t be used if, accordingly			
Remarks	: Take note of the information given by the properties of the properties of the information given by the properties of t				



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	conditions (mechanical strain, duration of contac	t).
Skin and body protection :	not required under normal use	
Respiratory protection :	not required under normal use	
Environmental exposure controls		
General advice :	Try to prevent the material from entering drains of	or water courses.

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

## 9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: red
Odour	: fruity
Odour Threshold	: No data available
рН	: ca. 2,2, at20 °C
Melting point/range	: No data available
Boiling point/boiling range	: No data available
Flash point	: 66 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Flammability (liquids)	: No data available
Burning rate	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: ca. 1,019 g/cm3 at 20 °C
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n- octanol/water	: No data available
Ignition temperature	: No data available
Thermal decomposition	: No data available



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Viscosity, dynamic	: similar to water	
Viscosity, kinematic	: No data available	
Explosive properties	: No data available	
Oxidizing properties	: No data available	

### 9.2 Other information

none

### **SECTION 10: Stability and reactivity**

#### **10.1 Reactivity**

Stable under recommended storage conditions., No dangerous reaction known under conditions of normal use.

#### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions	: No hazards to be specially mentioned.
10.4 Conditions to avoid	
Conditions to avoid	: No data available
10.5 Incompatible materials	
Materials to avoid	: No data available
10.6 Hazardous decomposition prod	ucts
Hazardous decomposition	: No hazardous decomposition products are known.
products Other information	: No hazardous decomposition products are known.

## **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

Our company is strongly against animal testing. Our company does not place any orders for animal testing for the finished product or the ingredients. However, as a result of EU legislation (REACH Regulation), the manufacturers of ingredients or EU importers are obliged to test ingredients with regard to their effects on human health and the environment before they are brought onto the market. Some of the tests made necessary by this took place decades ago.

### Product

Acute oral toxicity	:	Acute toxicity estimate : > 2.000 mg/kg Method: Calculation method
Skin corrosion/irritation	:	According to the classification criteria of the European Union, the product is not considered as being a skin irritant.
Serious eye damage/eye irritation	:	According to the classification criteria of the European Union, the product is not considered as being an eye irritant.



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Respiratory or skin sensitisation	:	No data available	
Germ cell mutagenicity	:	Not Rated	
Carcinogenicity	:	Not Rated	
Reproductive toxicity	:	Not Rated	
STOT - single exposure	:	The substance or mixture is not classified a toxicant, single exposure.	as specific target organ
STOT - repeated exposure	:	The substance or mixture is not classified a toxicant, repeated exposure.	as specific target organ
Aspiration toxicity	:	Not Rated	
Further information	Ξ	No data available	
<u>Components:</u> citric acid 77-92-9:			
Acute oral toxicity	:	LD50 Oral Mouse: 5.400 mg/kg Method: OECD Test Guideline 401	
		LD50 Oral Rat: 11.700 mg/kg Method: OECD Test Guideline 401	
		LD50 Oral Mouse: 5.000 mg/kg	
		LD50 Oral Rat: 3.000 mg/kg	
Acute dermal toxicity	:	LD50 Dermal Rat: > 2.000 mg/kg Method: OECD Test Guideline 402	
Acute toxicity (other routes of administration)	:	see user defined free text Rat: 725 mg/kg Application Route: see user defined free te	xt
		see user defined free text Mouse: 940 mg/ Application Route: see user defined free te	
Serious eye damage/eye irritation	-	Result: Eye irritation	
Respiratory or skin sensitisation	:	Result: Does not cause skin sensitisation.	
Carcinogenicity - Assessment	:	Not classifiable as a human carcinogen.	
Repeated dose toxicity	:	Rat: NOAEL: 4.000 mg/kg	



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	LOAEL: 8.000 mg/kg Application Route: Oral Exposure time: 10 d	
<b>ethanol 64-17-5:</b> Acute oral toxicity	: LD50 Oral Rat: 10.470 mg/kg Method: OECD Test Guideline 401	
	LD50 Rat: 5.000 mg/kg Method: OECD Test Guideline 401	
Acute inhalation toxicity	: LC50 Rat: 51 mg/l Exposure time: 4 h	
Acute dermal toxicity	: LD50 Dermal Rabbit: > 2.000 mg/kg Method: OECD Test Guideline 402	
	LD50 Dermal Rabbit: > 10.000 mg/kg Method: OECD Test Guideline 402	
Skin corrosion/irritation	: Species: Rabbit Result: No skin irritation Method: OECD Test Guideline 404	
Serious eye damage/eye irritation	: Species: Rabbit Result: Mild eye irritation Method: OECD Test Guideline 405	
Respiratory or skin sensitisation	: Species: Mouse Result: Does not cause skin sensitisation. Method: see user defined free text	
Reproductive toxicity	: Species: Rat Application Route: Oral NOAEL: 5.200 mg/kg	
	Species: Rat Application Route: Oral NOAEL: 13.800 mg/kg	
	Species: Rat Application Route: Inhalation NOAEL: 30400 mg/m3	
Repeated dose toxicity	: Rat, male: NOAEL: > 20 mg/kg	
	Method: OECD Test Guideline 403	
	Rat, female: NOAEL: 1.730 mg/kg	
	Method: OECD Test Guideline 408	



Acute dermal toxicity

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Sulfuric acid, mono-C12-1 85586-07-8:	4-alkyl esters, sodium salts	
00000-07-02		

: Rabbit: > 2.000 mg/kg

Skin corrosion/irritation	: Species: Rabbit Result: Skin irritation	
Serious eye damage/eye irritation	: Species: Rabbit Result: irritating	
Germ cell mutagenicity		
Genotoxicity in vitro	: Type: Ames test Result: negative Method: OECD Test Guideline 4	71
Repeated dose toxicity	: NOAEL: 488 mg/kg	

## **SECTION 12: Ecological information**

### 12.1 Toxicity **Components:** citric acid 77-92-9: Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 440 - 760 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 1.535 mg/l aquatic invertebrates Exposure time: 24 h EC50 (Daphnia magna (Water flea)): ca. 120 mg/l Exposure time: 72 h : NOEC (Scenedesmus quadricauda (Green algae)): 425 mg/l Toxicity to algae Exposure time: 8 Days Test Type: static test Toxicity to bacteria (Pseudomonas putida): > 10.000 mg/l : Exposure time: 16 h ethanol 64-17-5: : LC50 (Oncorhynchus mykiss (rainbow trout)): 13 g/l Toxicity to fish Exposure time: 96 h Method: OECD Test Guideline 203 LC50 (Leuciscus idus (Golden orfe)): 8.150 mg/l



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		Exposure time: 48 h	
		LC50 (Pimephales promelas (fathead mir Exposure time: 96 h	nnow)): > 0,1 g/l
		LC50 (Fish): 11.200 mg/l	
Toxicity to daphnia and other aquatic invertebrates		EC50 (Daphnia magna (Water flea)): 12.3 Exposure time: 48 h	340 mg/l
		EC50 : 5.012 mg/l	
Toxicity to algae		EC50 (Chlorella vulgaris (Fresh water alg Exposure time: 72 h Test Type: Growth inhibition Method: OECD Test Guideline 201	ae)): 275 mg/l
		EC50 (Scenedesmus capricornutum (fres mg/l Exposure time: 48 h Test Type: Growth inhibition Method: No information available.	h water algae)): 12.900
		EC0 (Scenedesmus quadricauda (Green Exposure time: 168 h	algae)): 5.000 mg/l
		EC50 : 4.432 mg/l	
		EC10 : 11,5 mg/l	
		EC10 : 280 mg/l	
Toxicity to bacteria	:	EC50 (Pseudomonas putida): 11.800 mg, Exposure time: 16 h Test Type: Cell multiplication inhibition test	
Sulfuric acid, mono-C12-14-alk	yl e	sters, sodium salts	
85586-07-8: Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow tro Exposure time: 96 h Method: OECD Test Guideline 203	out)): 3,6 mg/l
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 4,7 Exposure time: 48 h	mg/l
Toxicity to algae		EC50 (Desmodesmus subspicatus (greer Exposure time: 72 h Method: OECD Test Guideline 201	n algae)): 20 mg/l
		NOEC : 0,6 mg/l Exposure time: 72 h Method: OECD Test Guideline 201	
Toxicity to fish (Chronic toxicity)	:	> 1,357 mg/l Exposure time: 42 d Species: Pimephales promelas (fathead r	ninnow)



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12.2 Persistence and degradability		
<u>Components:</u> citric acid 77-92-9:		
Biodegradability	: Result: Readily biodegradable. Biodegradation: 97 % Exposure time: 28 d Method: OECD 301 B	
	Result: Readily biodegradable. Biodegradation: 100 % Exposure time: 19 d Method: OECD 301 E	
Biochemical Oxygen Demand (BOD)	: 526 mg/g	
Chemical Oxygen Demand (COD)	: 728 mg/g	
ThOD	: 0,75 g/g	
ethanol 64-17-5:		
Biodegradability	: Result: Readily biodegradable. Biodegradation: 97 % Method: OECD Test Guideline 301	
Sulfuric acid, mono-C12-14-all	yl esters, sodium salts	
85586-07-8: Biodegradability	<ul> <li>Result: Readily biodegradable.</li> <li>Biodegradation: &gt; 60 %</li> <li>Exposure time: 28 d</li> <li>Method: OECD 301 B</li> </ul>	
	Result: rapidly biodegradable Biodegradation: > 90 % Exposure time: 28 d Method: OECD 301 D	
12.3 Bioaccumulative potential		
Components:		
<b>citric acid 77-92-9:</b> Bioaccumulation	: Remarks: Bioaccumulation is unlikely.	
Partition coefficient: n- octanol/water	: log Pow: -1,72	
ethanol 64-17-5: Bioaccumulation	: Concentration: 3,2 mg/l	
Partition coefficient: n- octanol/water	: log Pow: -0,32	



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Sulfuric acid, mono-C12-14-alk 85586-07-8:	.yı e	sters, sodium saits	
Bioaccumulation	:	Remarks: No bioaccumulation is to be exp	pected (log Pow <= 4).
Partition coefficient: n- octanol/water	:	log Pow: -2,42	
12.4 Mobility in soil			
Components:			
ethanol			
64-17-5: Distribution among	•	Koc: 1Remarks: Highly mobile in soils	
environmental compartments	-		
12.5 Results of PBT and vPvB asses	ssm	ent	
<u>Components:</u>			
citric acid 77-92-9:			
Assessment	:	This substance is not considered to be pe and toxic (PBT) This substance is not co persistent and very bioaccumulating (vPvB	nsidered to be very
12.6 Other adverse effects			
Product:	:	There is no data available for this product.	
Product:	:	There is no data available for this product.	
Product:		· · · · · · · · · · · · · · · · · · ·	
Product: Additional ecological information		· · · · · · · · · · · · · · · · · · ·	
Product: Additional ecological information SECTION 13: Disposal considera	atio	· · · · · · · · · · · · · · · · · · ·	
Product: Additional ecological information SECTION 13: Disposal considera 13.1 Waste treatment methods	atio :	ns	

## **SECTION 14: Transport information**

## 14.1 UN number

ADR Not dangerous goods RID Not dangerous goods IMDG Not dangerous goods IATA Not dangerous goods

## 14.2 Proper shipping name

Not regulated as a dangerous good



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### 14.3 Transport hazard class

ADR Not dangerous goods RID Not dangerous goods IMDG Not dangerous goods IATA Not dangerous goods

### 14.4 Packing group

ADR Not dangerous goods RID Not dangerous goods IMDG Not dangerous goods IATA Not dangerous goods

#### 14.5 Environmental hazards

ADR Not dangerous goods RID Not dangerous goods IMDG Not regulated as a dangerous good IATA Not dangerous goods

#### 14.6 Special precautions for user Remarks

Not classified as dangerous in the meaning of transport regulations.

For personal protection see section 8.

#### **14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable for product as supplied.

:

## **SECTION 15: Regulatory information**

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

Regulation (EC) No 649/2012 of the the Council concerning the export ar chemicals	•	:	Not applicable
REACH - Restrictions on the manufa market and use of certain dangerous and articles (Annex XVII)		:	Not applicable
of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. TA Luft List (Germany) :	: Not applicable Total dust: Not applicable Inorganic substances in p Inorganic substances in v	ow	dered form: Not applicable our or gaseous form: Not applicable



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	<ul> <li>Organic Substances: : portionClass 1: 4,</li> <li>Carcinogenic substances: Not applicable</li> <li>Mutagenic: Not applicable</li> <li>Toxic to reproduction: Not applicable</li> </ul>		
Volatile organic compounds (VOC) content	<ul> <li>Directive 2010/75/EU of 24 November 20 (integrated pollution prevention and control Update: Percent volatile: 2,96 % 310,2 g/l</li> <li>VOC content excluding water</li> </ul>		
Volatile organic compounds (VOC) content	<ul> <li>Directive 2010/75/EU of 24 November 20 (integrated pollution prevention and control Update: Percent volatile: 2,96 % 30,21 g/l</li> <li>VOC content valid only for coating mater</li> </ul>	rol)	
according to Detergents Regulation EC 648/2004	: <5% Anionic surfactants, Non-ionic surfa	actants, Perfumes	

## 15.2 Chemical safety assessment

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

#### Further information

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

Classification procedure:

Calculation method

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 Chemicals and Chemical



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

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.