

## **SANET SPRAY**

**WM 0715486**

**Order number: 0715486**

Version 2.9

Revision Date 23.01.2023

Print Date 08.03.2023

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

#### **1.1 Product identifier**

Trade name : SANET SPRAY  
UFI : CWT3-A0NA-200C-76G5

#### **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  
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**

**Classification (REGULATION (EC) No 1272/2008)**  
Not a hazardous 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**

##### **Components**

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

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	Registration number		
citric acid	77-92-9 201-069-1 01-2119457026-42	STOT SE 3; H335 Eye Irrit. 2; H319	$\geq 2 - < 5$
ethanol	64-17-5 200-578-6 603-002-00-5 01-2119457610-43	Flam. Liq. 2; H225 Eye Irrit. 2; H319  specific concentration limit Eye Irrit. 2; H319 $\geq 50\%$	$\geq 2 - < 5$
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  specific concentration limit Eye Irrit. 2; H319 10 - < 20 % Eye Dam. 1; H318 $\geq 20\%$	$\geq 1 - < 2$

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.  
If symptoms persist, call a physician.
- 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

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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 substance 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 equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : 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.

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

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

Personal precautions : Use personal protective equipment.

#### **6.2 Environmental precautions**

Environmental precautions : Try to prevent the material from entering drains or water courses.

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

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

#### **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.

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### **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.

Advice on protection against fire : Normal measures for preventive fire protection.

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and explosion

Hygiene measures : Wash hands before breaks and at the end of workday.

### **7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container.

Advice on common storage : No special restrictions on storage with other products.

Further information on storage stability : No decomposition if stored and applied as directed.

### **7.3 Specific end use(s)**

Specific use(s) : Cleaning agent

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

### **8.1 Control parameters**

Contains no substances with occupational exposure limit values.

### **8.2 Exposure controls**

#### **Personal protective equipment**

Eye protection : not required under normal use

Hand protection

Material : not required under normal use

Material : For prolonged or repeated contact use protective gloves. It is suggested the usage of chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374. As alternative, a different type of gloves might be used if, accordingly to the recommendations of the producer, guarantee the same level of protection.

Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Skin and body protection : not required under normal use

Respiratory protection : not required under normal use

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

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

Appearance : liquid

Colour : red

Odour : fruity

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Odour Threshold	: No data available
pH	: ca. 2,2, 100 % at 20 °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. 1,021 g/cm <sup>3</sup> 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
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.

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### 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 products

No hazardous decomposition products are known.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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.

#### Acute toxicity

##### Product:

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg  
Method: Calculation method

##### Components:

#### citric acid

##### **CITRIC ACID:**

Acute oral toxicity : LD50 Oral (Mouse): 5.400 mg/kg  
Method: OECD Test Guideline 401

LD50 Oral (Rat): > 2.000 mg/kg  
Method: OECD Test Guideline 402

Acute dermal toxicity : LD50 Dermal (Rat): > 2.000 mg/kg  
Method: OECD Test Guideline 402

#### ethanol

##### **ALCOHOL:**

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

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LD50 Dermal (Rabbit): > 10.000 mg/kg  
Method: OECD Test Guideline 402

### Sulfuric acid, mono-C12-14-alkyl esters, sodium salts

#### 85586-07-8:

Acute oral toxicity : LD50 (Rat): 1.800 mg/kg  
Acute dermal toxicity : (Rabbit): > 2.000 mg/kg

### Skin corrosion/irritation

#### Product:

Remarks : According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

#### Components:

##### ethanol

#### ALCOHOL:

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

### Sulfuric acid, mono-C12-14-alkyl esters, sodium salts

#### 85586-07-8:

Species : Rabbit  
Result : Skin irritation

### Serious eye damage/eye irritation

#### Product:

Remarks : According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

#### Components:

##### citric acid

#### CITRIC ACID:

Result : Eye irritation

##### ethanol

#### ALCOHOL:

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : Mild eye irritation

### Sulfuric acid, mono-C12-14-alkyl esters, sodium salts

#### 85586-07-8:

Species : Rabbit  
Result : irritating



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### Respiratory or skin sensitisation

#### Product:

Remarks : No data available

#### Components:

##### citric acid

#### **CITRIC ACID:**

Result : Does not cause skin sensitisation.

##### ethanol

#### **ALCOHOL:**

Result : Not a skin sensitizer.

### Germ cell mutagenicity

Germ cell mutagenicity : Not Rated

#### Components:

##### Sulfuric acid, mono-C12-14-alkyl esters, sodium salts

#### **85586-07-8:**

Genotoxicity in vitro : Test Type: Ames test  
Method: OECD Test Guideline 471  
Result: negative

Carcinogenicity : Not Rated

Reproductive toxicity : Not Rated

STOT - single exposure : The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### Repeated dose toxicity

#### Components:

##### citric acid

#### **CITRIC ACID:**

Species : Rat  
NOAEL : 4.000 mg/kg  
LOAEL : 8.000 mg/kg  
Application Route : Oral  
Exposure time : 10 d

##### ethanol

#### **ALCOHOL:**

Species : Rat, male





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NOAEL	:	> 20 mg/kg
Method	:	OECD Test Guideline 403
Species	:	Rat, female
NOAEL	:	1.730 mg/kg
Method	:	OECD Test Guideline 408

### Sulfuric acid, mono-C12-14-alkyl esters, sodium salts

#### 85586-07-8:

NOAEL	:	488 mg/kg
Aspiration toxicity	:	Not Rated

## 11.2 Information on other hazards

### Further information

#### Product:

Remarks	:	No data available
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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

##### **CITRIC ACID:**

Toxicity to fish	:	LC50 (Leuciscus idus (Golden orfe)): 440 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 1.535 mg/l Exposure time: 24 h Test Type: static test  EC50 (Daphnia magna (Water flea)): ca. 120 mg/l Exposure time: 72 h
Toxicity to algae/aquatic plants	:	NOEC (Scenedesmus quadricauda (Green algae)): 425 mg/l Exposure time: 8 Days Test Type: static test
Toxicity to microorganisms	:	(Pseudomonas putida): > 10.000 mg/l Exposure time: 16 h

##### **ALCOHOL:**

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 13 g/l 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 minnow)): > 0,1 g/l  
Exposure time: 96 h

LC50 (Fish): 11.200 mg/l

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 12.340 mg/l  
Exposure time: 48 h

EC50 : 5.012 mg/l

Toxicity to algae/aquatic plants : EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l  
Exposure time: 72 h  
Test Type: Growth inhibition  
Method: OECD Test Guideline 201

EC50 (Scenedesmus capricornutum (fresh water algae)): 12.900 mg/l  
Exposure time: 48 h  
Test Type: Growth inhibition  
Method: No information available.

EC0 (Scenedesmus quadricauda (Green algae)): 5.000 mg/l  
Exposure time: 168 h

EC50 : 4.432 mg/l

EC10 : 11,5 mg/l

EC10 : 280 mg/l

Toxicity to microorganisms : EC50 (Pseudomonas putida): 11.800 mg/l  
Exposure time: 16 h  
Test Type: Cell multiplication inhibition test

### 85586-07-8:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 3,6 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 4,7 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 20 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

NOEC : 0,6 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

Toxicity to fish (Chronic) : > 1,357 mg/l

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toxicity)

Exposure time: 42 d  
Species: Pimephales promelas (fathead minnow)

### **12.2 Persistence and degradability**

#### **Components:**

##### **CITRIC ACID:**

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

##### **ALCOHOL:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 97 %  
Method: OECD Test Guideline 301

##### **85586-07-8:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: > 60 %  
Exposure time: 28 d  
Method: OECD 301 B

Result: rapidly biodegradable  
Biodegradation: > 90 %  
Exposure time: 28 d  
Method: OECD 301 D

### **12.3 Bioaccumulative potential**

#### **Components:**

##### **CITRIC ACID:**

Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <= 4).

##### **ALCOHOL:**

Bioaccumulation : Concentration: 3,2 mg/l

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Partition coefficient: n-  
octanol/water : log Pow: -0,32

### 85586-07-8:

Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <= 4).

Partition coefficient: n-  
octanol/water : log Pow: -2,42

## 12.4 Mobility in soil

No data available

## 12.5 Results of PBT and vPvB assessment

### Components:

#### **CITRIC ACID:**

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).. This substance is not considered to be very persistent and very bioaccumulating (vPvB).

## 12.6 Endocrine disrupting properties

No data available

## 12.7 Other adverse effects

### Product:

Additional ecological  
information : There is no data available for this product.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.

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## SECTION 14: Transport information

### 14.1 UN number

#### **ADR**

Not dangerous goods

#### **RID**

Not dangerous goods

#### **IMDG**

Not dangerous goods



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### IATA

Not dangerous goods

### 14.2 Proper shipping name

Not regulated as a dangerous good

### 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 European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving : Not applicable



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dangerous substances. TA Luft List (Germany)	: Total dust: Not applicable : Inorganic substances in powdered form: Not applicable : Inorganic substances in vapour or gaseous form: Not applicable : Organic Substances: : portionClass 1: 4,46 % : Carcinogenic substances: Not applicable : Mutagenic: Not applicable : Toxic to reproduction: Not applicable
Volatile organic compounds (VOC) content	: Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Update: Percent volatile: 2,96 % 310,2 g/l VOC content excluding water
Volatile organic compounds (VOC) content	: Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Update: Percent volatile: 2,96 % 30,21 g/l VOC content valid only for coating materials used on wood surfaces
according to Detergents Regulation EC 648/2004	: <5% Anionic surfactants, Non-ionic surfactants, Perfumes

### 15.2 Chemical safety assessment

## SECTION 16: Other information

### Full text of H-Statements

H225	: Highly flammable liquid and vapour.
H302	: Harmful if swallowed.
H315	: Causes skin irritation.
H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.
H335	: May cause respiratory irritation.
H412	: Harmful to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
Flam. Liq.	: Flammable liquids
Skin Irrit.	: Skin irritation
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; AIIC -  
Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body  
weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR -  
Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation;  
DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European  
Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x%



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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 Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### **Further information**

#### **Classification of the mixture:**

#### **Classification procedure:**

Calculation method

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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