

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## ATAPLAN® SC

Version	Revision Date:	SDS Number:	Date of last issue: -
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Product name** ATAPLAN® SC

#### Other means of identification

**Product code** 50001598

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

**Use of the Substance/Mixture** : Biological fungicide seed treatment

**Recommended restrictions on use** : Use as recommended by the label.

#### 1.3 Details of the supplier of the safety data sheet

##### Supplier Address

FMC Agricultural Solutions A/S  
Thyborønvej 78  
DK-7673 Harbøre  
Denmark

Telephone: +45 9690 9690  
Telefax: +45 9690 9691  
E-mail address: SDS-Info@fmc.com .

#### 1.4 Emergency telephone number

For leak, fire, spill or accident emergencies, call:  
Denmark: +45-69918573 (CHEMTREC)

Medical emergency:  
Denmark: +45 82 12 12 12

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

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### 2.2 Label elements

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

Not a hazardous substance or mixture.

#### Additional Labelling

EUH210 Safety data sheet available on request.

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

### 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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
No hazardous ingredients :			
Bacillus velezensis strain RTI301	Not Assigned		7,5
Bacillus subtilis strain RTI477	Not Assigned		2,5

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice : Do not leave the victim unattended.

Protection of first-aiders : Avoid inhalation, ingestion and contact with skin and eyes.

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- |                         |   |
|-------------------------|---|
| If inhaled              | : If experiencing any discomfort, immediately remove from exposure. Get medical attention if discomfort does not disappear.<br>If unconscious, place in recovery position and seek medical advice.                                |
| In case of skin contact | : If on clothes, remove clothes.<br>If on skin, rinse well with water.<br>Wash off with soap and plenty of water.<br>Get medical attention if irritation develops and persists.   |
| In case of eye contact  | : Flush eyes with water as a precaution.<br>Remove contact lenses.<br>Protect unharmed eye.<br>If eye irritation persists, consult a specialist.<br>Keep eye wide open while rinsing.   |
| If swallowed            | : Do not induce vomiting without medical advice.<br>If symptoms persist, call a physician.<br>Never give anything by mouth to an unconscious person.<br>Do not give milk or alcoholic beverages.<br>Keep respiratory tract clear. |

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

- |       |               |
|-------|---------------|
| Risks | : None known. |
|-------|---------------|

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

- |           |   |
|-----------|---|
| Treatment | : Treat symptomatically.<br>Immediate medical attention is required in case of ingestion. |
|-----------|---|

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- |                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Dry chemical, CO <sub>2</sub> , water spray or regular foam.     |
| Unsuitable extinguishing media | : Do not spread spilled material with high-pressure water streams. |

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

- |                                       |   |
|---------------------------------------|---|
| Specific hazards during fire-fighting | : Do not allow run-off from fire fighting to enter drains or water courses.                     |
| Hazardous combustion products         | : Fire may produce irritating, corrosive and/or toxic gases.<br>Carbon oxides<br>Sulphur oxides |

### 5.3 Advice for firefighters

- |                              |  |
|------------------------------|--|
| Special protective equipment | : Wear self-contained breathing apparatus for firefighting if nec- |
|------------------------------|--|

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for firefighters

essary.

Further information

: Standard procedure for chemical fires.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.  
If it can be safely done, stop the leak.  
Do not touch or walk through the spilled material.  
Never return spills in original containers for re-use.  
Mark the contaminated area with signs and prevent access to unauthorized personnel.  
Only qualified personnel equipped with suitable protective equipment may intervene.  
For disposal considerations see section 13.

#### 6.2 Environmental precautions

Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.

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

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).  
Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.

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

Hygiene measures : Wash hands before breaks and at the end of workday. General industrial hygiene practice.

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

Requirements for storage areas and containers : Electrical installations / working materials must comply with the technological safety standards.

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Further information on storage conditions : The product is stable under normal conditions of warehouse storage. Protect from frost and extreme heat.

Recommended storage temperature : 20 - 25 °C

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

### 7.3 Specific end use(s)

Specific use(s) : Registered pesticide to be used in accordance with a label approved by country-specific regulatory authorities.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

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

Substance name	End Use	Exposure routes	Potential health effects	Value
glycerol	Consumers	Oral	Long-term systemic effects	229 mg/kg
	Consumers	Inhalation	Long-term local effects	33 mg/m3
	Workers	Inhalation	Long-term local effects	56 mg/m3

#### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
glycerol	Fresh water	0,885 mg/l
	Intermittent use/release	8,85 mg/l
	Sewage treatment plant	1000 mg/l
	Fresh water sediment	3,3 mg/l
	Marine sediment	0,33 mg/l
	Soil	0,141 mg/kg dry weight (d.w.)

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : Eye wash bottle with pure water  
Tightly fitting safety goggles

Hand protection  
Material : Wear chemical resistant gloves, such as barrier laminate, butyl rubber or nitrile rubber.

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

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- |                          |  |
|--------------------------|--|
| Skin and body protection | : Choose body protection according to the amount and concentration of the dangerous substance at the work place.<br>Impervious clothing  |
| Respiratory protection   | : In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.  |
| Protective measures      | : Plan first aid action before beginning work with this product. Always have on hand a first-aid kit, together with proper instructions.<br>Wear suitable protective equipment.<br>Ensure that eye flushing systems and safety showers are located close to the working place.<br>When using do not eat, drink or smoke.<br><br>In the context of professional plant protection use as recommended, the end user must refer to the label and the instructions for use. |
- 

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- |  |                        |
|--|------------------------|
| Physical state                                   | : liquid               |
| Form   | : suspension           |
| Colour   | : beige to brown       |
| Odour  | : slight, sweet, musty |
| Odour Threshold                                  | : No data available    |
| Melting point/freezing point                     | : No data available    |
| Boiling point/boiling range                      | : No data available    |
| Flammability                                     | : Not applicable       |
| Upper explosion limit / Upper flammability limit | : No data available    |
| Lower explosion limit / Lower flammability limit | : No data available    |

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Flash point : > 100 °C

Auto-ignition temperature : No data available

Decomposition temperature : No data available

pH : 6,81  
Concentration: 1 %  
In a 1% aqueous dispersion  
  
6,29  
(undiluted)

Viscosity  
Viscosity, kinematic : 604,9 mm<sup>2</sup>/s (20 °C)  
30 rpm  
  
454 mm<sup>2</sup>/s (40 °C)  
30 rpm  
  
446,3 mm<sup>2</sup>/s (20 °C)  
50 rpm  
  
350,4 mm<sup>2</sup>/s (40 °C)  
50 rpm  
  
397,1 mm<sup>2</sup>/s (20 °C)  
  
316,9 mm<sup>2</sup>/s (40 °C)

Solubility(ies)  
Water solubility : soluble

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Vapour pressure : No data available

Relative density : No data available

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Density	: 1,17 g/l
Relative vapour density	: No data available
Particle characteristics Particle size	: Not applicable

### 9.2 Other information

Explosives	: Not explosive
Oxidizing properties	: Non-oxidizing
Self-ignition	: No data available
Evaporation rate	: No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions	: Stable under recommended storage conditions. No hazards to be specially mentioned.
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### 10.4 Conditions to avoid

Conditions to avoid	: Avoid extreme temperatures Heat, flames and sparks. Heating of the mixture may evolve harmful and irritant vapours.
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### 10.5 Incompatible materials

Materials to avoid	: Avoid strong acids, bases, and oxidizers
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### 10.6 Hazardous decomposition products

Stable under recommended storage conditions.



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### SECTION 11: Toxicological information

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

##### Acute toxicity

Not classified based on available information.

##### Product:

- |                           |   |   |
|---------------------------|---|---|
| Acute oral toxicity       | : | LD50 (Rat): > 5.000 mg/kg<br>Assessment: The substance or mixture has no acute oral toxicity  |
| Acute inhalation toxicity | : | LC50 (Rat): > 5 mg/l<br>Exposure time: 4 h<br>Test atmosphere: dust/mist<br>Assessment: The substance or mixture has no acute inhalation toxicity |
| Acute dermal toxicity     | : | LD50 (Rat): > 2.000 mg/kg<br>Assessment: The substance or mixture has no acute dermal toxicity  |

##### Components:

##### **Bacillus velezensis strain RTI301:**

- |                       |   |   |
|-----------------------|---|---|
| Acute oral toxicity   | : | (Rat): Assessment: The substance or mixture has no acute oral toxicity          |
| Acute dermal toxicity | : | LD50: > 5.000 mg/kg<br>Method: OECD Test Guideline 402<br>Remarks: no mortality |

##### **Bacillus subtilis strain RTI477:**

- |                       |   |   |
|-----------------------|---|---|
| Acute oral toxicity   | : | (Rat): > 5.000 mg/kg<br>Method: OPPTS 870.1100<br>Assessment: The substance or mixture has no acute oral toxicity           |
| Acute dermal toxicity | : | LD50: > 5.000 mg/kg<br>Method: OECD Test Guideline 402<br>Assessment: The substance or mixture has no acute dermal toxicity |

##### **Skin corrosion/irritation**

Not classified based on available information.

##### Product:

- |            |   |                            |
|------------|---|----------------------------|
| Species    | : | Rabbit                     |
| Assessment | : | Not classified as irritant |
| Method     | : | OECD Test Guideline 404    |

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Result : Moderate skin irritation

### Components:

#### **Bacillus velezensis strain RTI301:**

Species	:	Rabbit
Assessment	:	Not classified as irritant
Method	:	OECD Test Guideline 404
Result	:	slight irritation

#### **Bacillus subtilis strain RTI477:**

Species	:	Rabbit
Assessment	:	Not classified as irritant
Method	:	OECD Test Guideline 404
Result	:	slight irritation

### **Serious eye damage/eye irritation**

Not classified based on available information.

### Product:

Species	:	Rabbit
Assessment	:	Not classified as irritant
Method	:	OECD Test Guideline 405
Result	:	slight irritation

### Components:

#### **Bacillus velezensis strain RTI301:**

Species	:	Rabbit
Assessment	:	Not classified as irritant
Method	:	OECD Test Guideline 405
Result	:	Slight or no eye irritation

#### **Bacillus subtilis strain RTI477:**

Species	:	Rabbit
Assessment	:	Not classified as irritant
Method	:	OECD Test Guideline 405
Result	:	Slight or no eye irritation

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

### Product:

Assessment	:	Not a skin sensitizer.
Result	:	Substance is not considered to be potential skin sensitizer.

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### Components:

#### **Bacillus velezensis strain RTI301:**

Assessment	:	Not a skin sensitizer.
Result	:	Substance is not considered to be potential skin sensitiser.

#### **Bacillus subtilis strain RTI477:**

Assessment	:	Not a skin sensitizer.
Result	:	Substance is not considered to be potential skin sensitiser.

### **Germ cell mutagenicity**

Not classified based on available information.

### Product:

Germ cell mutagenicity- Assessment	:	Contains no ingredient listed as a mutagen
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### **Carcinogenicity**

Not classified based on available information.

### Product:

Carcinogenicity - Assessment	:	Contains no ingredient listed as a carcinogen
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### **Reproductive toxicity**

Not classified based on available information.

### Product:

Reproductive toxicity - Assessment	:	Contains no ingredient listed as toxic to reproduction
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### **STOT - single exposure**

Not classified based on available information.

### Product:

Assessment	:	The substance or mixture is not classified as specific target organ toxicant, single exposure.
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### Components:

#### **Bacillus velezensis strain RTI301:**

Exposure routes	:	inhalation (dust/mist/fume)
Target Organs	:	pulmonary system
Assessment	:	The substance or mixture is not classified as specific target organ toxicant, single exposure.

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### **Bacillus subtilis strain RTI477:**

Exposure routes	: inhalation (dust/mist/fume)
Target Organs	: pulmonary system
Assessment	: The substance or mixture is not classified as specific target organ toxicant, single exposure.

### **STOT - repeated exposure**

Not classified based on available information.

#### **Product:**

Assessment	: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
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### **Aspiration toxicity**

Not classified based on available information.

#### **Product:**

No aspiration toxicity classification

## **11.2 Information on other hazards**

### **Endocrine disrupting properties**

#### **Product:**

Assessment	: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
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### **Further information**

#### **Product:**

Remarks	: The product contains biologically active material. Hazards to human health which would require classification are not expected, but it is recommended to handle the product with care and to avoid unnecessary exposure.
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## **SECTION 12: Ecological information**

### **12.1 Toxicity**

#### **Product:**

#### **Ecotoxicology Assessment**

Acute aquatic toxicity	: No data is available on the product itself.
Chronic aquatic toxicity	: No data is available on the product itself.

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### Components:

#### **Bacillus velezensis strain RTI301:**

Toxicity to terrestrial organisms : > 5 ml/kg  
Species: Colinus virginianus (Bobwhite quail)

#### **Bacillus subtilis strain RTI477:**

Toxicity to terrestrial organisms : > 5 ml/kg  
Species: Colinus virginianus (Bobwhite quail)

### 12.2 Persistence and degradability

#### Product:

Biodegradability : Remarks: The product/substance is expected to be readily biodegradable.

### 12.3 Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

### 12.4 Mobility in soil

#### Product:

Distribution among environmental compartments : Remarks: The product is not expected to be mobile in soils.

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : 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.

### 12.6 Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

#### Product:

Additional ecological information : No data available

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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

- |                        |   |
|------------------------|---|
| Product                | : Do not dispose of waste into sewer.<br>Do not contaminate ponds, waterways or ditches with chemical or used container.<br>Send to a licensed waste management company.  |
| Contaminated packaging | : Empty remaining contents.<br>Do not re-use empty containers.<br>Packaging that is not properly emptied must be disposed of as the unused product.<br>Empty containers should be taken to an approved waste handling site for recycling or disposal. |

### SECTION 14: Transport information

#### 14.1 UN number or ID number

- |      |                                     |
|------|-------------------------------------|
| ADN  | : Not regulated as a dangerous good |
| ADR  | : Not regulated as a dangerous good |
| RID  | : Not regulated as a dangerous good |
| IMDG | : Not regulated as a dangerous good |
| IATA | : Not regulated as a dangerous good |

#### 14.2 UN proper shipping name

- |      |                                     |
|------|-------------------------------------|
| ADN  | : Not regulated as a dangerous good |
| ADR  | : Not regulated as a dangerous good |
| RID  | : Not regulated as a dangerous good |
| IMDG | : Not regulated as a dangerous good |
| IATA | : Not regulated as a dangerous good |

#### 14.3 Transport hazard class(es)

- |      |                                     |
|------|-------------------------------------|
| ADN  | : Not regulated as a dangerous good |
| ADR  | : Not regulated as a dangerous good |
| RID  | : Not regulated as a dangerous good |
| IMDG | : Not regulated as a dangerous good |
| IATA | : Not regulated as a dangerous good |

#### 14.4 Packing group

- |     |                                     |
|-----|-------------------------------------|
| ADN | : Not regulated as a dangerous good |
|-----|-------------------------------------|

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**ADR** : Not regulated as a dangerous good

**RID** : Not regulated as a dangerous good

**IMDG** : Not regulated as a dangerous good

**IATA (Cargo)** : Not regulated as a dangerous good

**IATA (Passenger)** : Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

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

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### The components of this product are reported in the following inventories:

TCSI	: Not in compliance with the inventory
TSCA	: Product contains substance(s) not listed on TSCA inventory.
AIIC	: Not in compliance with the inventory
DSL	: This product contains the following components that are not on the Canadian DSL nor NDSL.  Agalmatolite Bacillus velezensis strain RTI301 Bacillus subtilis strain RTI477 mixture of polyorganosiloxanes and fillers
ENCS	: Not in compliance with the inventory
ISHL	: Not in compliance with the inventory
KECI	: Not in compliance with the inventory
PICCS	: Not in compliance with the inventory
IECSC	: Not in compliance with the inventory
NZIoC	: Not in compliance with the inventory
TECI	: Not in compliance with the inventory

### 15.2 Chemical safety assessment

A chemical safety assessment is not required for this product (mixture).

## SECTION 16: Other information

### Full text of H-Statements

### Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - 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% 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 - Interna-



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tional 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; TECL - 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

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