

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

#### 1.1. Product identifier

|                 |  |
|-----------------|--|
| Product form    | : Mixture  |
| Trade name      | : Soleris® Positive Control – Enterobacteriaceae |
| Product code    | : S2-PCON-EBAC                                   |
| Type of product | : Food Safety -- [Food Safety]                   |
| Part Number(s)  | : 700006480 S2-PCON-EBAC                         |

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

##### Relevant identified uses

Use of the substance/mixture : Laboratory chemicals

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

Neogen Corporation  
620 Leshar Place  
48912 Lansing, Michigan  
United States of America  
T 800.234.5333  
[sds@neogen.com](mailto:sds@neogen.com), <https://www.neogen.com/>

#### 1.4. Emergency telephone number

Emergency number : 24 hours:  
Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)  
Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

##### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

#### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

| Component   |                   |
|---|-------------------|
| Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII  | Sucrose (57-50-1) |
| Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | Sucrose (57-50-1) |

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

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### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

| Name   | Product identifier                    | %          | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|---------------------------------------|------------|---|
| Sucrose<br>substance with national workplace exposure limit(s)<br>(BE, EE, ES, FR, GB, HR, IE, LT, PT) | CAS-No.: 57-50-1<br>EC-No.: 200-334-9 | ≥ 5 – < 10 | Not classified  |

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : If you feel unwell, seek medical advice.  |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.                  |
| First-aid measures after skin contact | : Wash skin with plenty of water.   |
| First-aid measures after eye contact  | : Rinse eyes with water as a precaution.  |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.                            |
| Self protection of the first-aider    | : First aid workers will be equipped with suitable personal protective equipment. |

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

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after inhalation   | : None under normal conditions. Dust of the product, if present, may cause respiratory irritation after excessive inhalation exposure. |
| Symptoms/effects after skin contact | : None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing.              |
| Symptoms/effects after eye contact  | : None under normal conditions. Dust from this product may cause eye irritation.   |
| Symptoms/effects after ingestion    | : None under normal conditions.  |

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |                                    |
|--------------------------------|------------------------------------|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam.   |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

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

|  |                                |
|--|--------------------------------|
| Fire hazard                                      | : No fire hazard.              |
| Explosion hazard                                 | : No direct explosion hazard.  |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |

#### 5.3. Advice for firefighters

|                                |   |
|--------------------------------|---|
| Firefighting instructions      | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.              |

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### SECTION 6: Accidental release measures

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

General measures : Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

##### For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Ventilate spillage area.

##### For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Evacuate unnecessary personnel.

#### 6.2. Environmental precautions

Avoid release to the environment.

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

For containment : Using a clean shovel, put the material in a dry container and cover without compressing it.  
Methods for cleaning up : Mechanically recover the product.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Technical measures : Keep in a cool, well-ventilated place away from heat.  
Storage conditions : Keep cool. Protect from sunlight.  
Packaging materials : Store always product in container of same material as original container.

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

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

##### Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

##### Personal protection equipment

##### Personal protective equipment:

Wear recommended personal protective equipment.

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### Personal protective equipment symbol(s):



### Eye and face protection

#### Eye protection:

Safety glasses

### Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Protective gloves

### Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|   |                     |
|---|---------------------|
| Physical state                                  | : Solid             |
| Colour  | : Various colours.  |
| Appearance                                      | : Pellet.           |
| Odour   | : Characteristic.   |
| Odour threshold                                 | : Not available     |
| Melting point                                   | : Not available     |
| Freezing point                                  | : Not applicable    |
| Boiling point                                   | : Not available     |
| Flammability                                    | : Non flammable.    |
| Lower explosion limit                           | : Not applicable    |
| Upper explosion limit                           | : Not applicable    |
| Flash point                                     | : Not applicable    |
| Auto-ignition temperature                       | : Not applicable    |
| Decomposition temperature                       | : Not available     |
| pH  | : Not available     |
| pH solution                                     | : Not available     |
| Viscosity, kinematic                            | : Not applicable    |
| Solubility                                      | : Soluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available     |
| Vapour pressure                                 | : Not available     |
| Vapour pressure at 50°C                         | : Not available     |
| Density   | : Not available     |
| Relative density                                | : Not available     |
| Relative vapour density at 20°C                 | : Not applicable    |
| Particle size                                   | : Not available     |

### 9.2. Other information

No additional information available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

#### Sucrose (57-50-1)

|               |   |
|---------------|---|
| LD50 oral rat | 29700 mg/kg (Rat, Literature study, Oral) |
|---------------|---|

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)

#### Sucrose (57-50-1)

|    |                                     |
|----|-------------------------------------|
| pH | No data available in the literature |
|----|-------------------------------------|

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)

#### Sucrose (57-50-1)

|    |                                     |
|----|-------------------------------------|
| pH | No data available in the literature |
|----|-------------------------------------|

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)  
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)  
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)  
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)  
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)  
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)  
Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

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|                      |                |
|----------------------|----------------|
| Viscosity, kinematic | Not applicable |
|----------------------|----------------|

#### Sucrose (57-50-1)

|                      |                        |
|----------------------|------------------------|
| Viscosity, kinematic | Not applicable (solid) |
|----------------------|------------------------|

#### 11.2. Information on other hazards

No additional information available

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### SECTION 12: Ecological information

#### 12.1. Toxicity

|   |   |
|---|---|
| Ecology - general   | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified (Based on available data, the classification criteria are not met)                                     |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified (Based on available data, the classification criteria are not met)                                     |

#### Sucrose (57-50-1)

|                 |                               |
|-----------------|-------------------------------|
| LC50 - Fish [1] | 199000000 mg/l Source: ECOSAR |
|-----------------|-------------------------------|

#### 12.2. Persistence and degradability

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|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### Sucrose (57-50-1)

|                                 |                                    |
|---------------------------------|------------------------------------|
| Persistence and degradability   | Readily biodegradable in water.    |
| Biochemical oxygen demand (BOD) | 0.69 g O <sub>2</sub> /g substance |
| ThOD                            | 1.12 g O <sub>2</sub> /g substance |
| BOD (% of ThOD)                 | 0.61 (5 day(s), Literature study)  |

#### 12.3. Bioaccumulative potential

#### Sucrose (57-50-1)

|   |                           |
|---|---------------------------|
| Partition coefficient n-octanol/water (Log Pow) | -3.7 (Experimental value) |
| Bioaccumulative potential                       | Not bioaccumulative.      |

#### 12.4. Mobility in soil

#### Sucrose (57-50-1)

|  |  |
|--|--|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Ecology - soil   | Highly mobile in soil.                           |

#### 12.5. Results of PBT and vPvB assessment

##### Component

|   |                   |
|---|-------------------|
| Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII  | Sucrose (57-50-1) |
| Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | Sucrose (57-50-1) |

#### 12.6. Endocrine disrupting properties

No additional information available

#### 12.7. Other adverse effects

No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

|  |   |
|--|---|
| Regional waste regulation                  | : Disposal must be done according to official regulations.  |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions.                           |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.  |
| Product/Packaging disposal recommendations | : Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations. |
| Additional information                     | : Do not re-use empty containers.   |

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR | IMDG  | IATA | ADN | RID |
|-----|---|------|-----|-----|
|     | <p>NOT SUBJECT<br/>(Substances which are known or are reasonably expected to contain pathogens, transported in a form that when exposure to it occurs, are not capable of causing permanent disability, life-threatening or fatal disease to humans or animals. Human or animal specimens for which there is minimal likelihood that pathogens are present are not subject to the provisions of IMDG (see 2.6.3.2.3.6). Other exemptions are stated in 2.6.3.2.3)</p> |      |     |     |

#### 14.1. UN number or ID number

|         |         |         |         |         |
|---------|---------|---------|---------|---------|
| UN 3373 | UN 3373 | UN 3373 | UN 3373 | UN 3373 |
|---------|---------|---------|---------|---------|





#### 14.2. UN proper shipping name

|                                  |                                  |                                  |                                  |                                  |
|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| BIOLOGICAL SUBSTANCE, CATEGORY B | BIOLOGICAL SUBSTANCE, CATEGORY B | Biological substance, Category B | BIOLOGICAL SUBSTANCE, CATEGORY B | BIOLOGICAL SUBSTANCE, CATEGORY B |
|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|

#### Transport document description

|  |   |   |   |   |
|--|---|---|---|---|
| UN 3373 BIOLOGICAL SUBSTANCE, CATEGORY B, 6.2, (-) | UN 3373 BIOLOGICAL SUBSTANCE, CATEGORY B, 6.2 | UN 3373 Biological substance, Category B, 6.2 | UN 3373 BIOLOGICAL SUBSTANCE, CATEGORY B, 6.2 | UN 3373 BIOLOGICAL SUBSTANCE, CATEGORY B, 6.2 |
|--|---|---|---|---|

#### 14.3. Transport hazard class(es)

|   |   |                |   |   |
|---|---|----------------|---|---|
| 6.2   | 6.2   | 6.2            | 6.2   | 6.2   |
|  |  | Not applicable |  |  |

#### 14.4. Packing group

|                |                |                |                |                |
|----------------|----------------|----------------|----------------|----------------|
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
|----------------|----------------|----------------|----------------|----------------|

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| ADR                                    | IMDG  | IATA                              | ADN                               | RID                               |
|--|---|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>14.5. Environmental hazards</b>     |   |                                   |                                   |                                   |
| Dangerous for the environment: No      | Dangerous for the environment: No<br>Marine pollutant: No<br>EmS-No. (Fire): F-A<br>EmS-No. (Spillage): S-T | Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the environment: No |
| No supplementary information available |   |                                   |                                   |                                   |

### 14.6. Special precautions for user

#### Overland transport

|   |                    |
|---|--------------------|
| Classification code (ADR)                                 | : I4               |
| Special provisions (ADR)                                  | : 319              |
| Limited quantities (ADR)                                  | : 0                |
| Excepted quantities (ADR)                                 | : E0               |
| Packing instructions (ADR)                                | : P650             |
| Portable tank and bulk container instructions (ADR)       | : T1               |
| Portable tank and bulk container special provisions (ADR) | : TP1              |
| Tank code (ADR)   | : L4BH             |
| Tank special provisions (ADR)                             | : TU15, TU37, TE19 |
| Vehicle for tank carriage                                 | : AT               |
| Special provisions for carriage - Operation (ADR)         | : S3               |
| Hazard identification number (Kemler No.)                 | : 606              |
| Orange plates   | :                  |



Tunnel restriction code (ADR) : -

#### Transport by sea

|                                    |  |
|------------------------------------|--|
| Special provisions (IMDG)          | : 319, 341   |
| Limited quantities (IMDG)          | : 0  |
| Excepted quantities (IMDG)         | : E0   |
| Packing instructions (IMDG)        | : P650   |
| Tank instructions (IMDG)           | : T1, BK2  |
| Tank special provisions (IMDG)     | : TP1  |
| Stowage category (IMDG)            | : C  |
| Stowage and handling (IMDG)        | : SW2, SW18  |
| Properties and observations (IMDG) | : Substances which are known or are reasonably expected to contain pathogens, transported in a form that when exposure to it occurs, are not capable of causing permanent disability, life-threatening or fatal disease to humans or animals. Human or animal specimens for which there is minimal likelihood that pathogens are present are not subject to the provisions of this Code (see 2.6.3.2.3.6). Other exemptions are stated in 2.6.3.2.3. |

#### Air transport

|  |             |
|--|-------------|
| PCA Excepted quantities (IATA)               | : E0        |
| PCA Limited quantities (IATA)                | : Forbidden |
| PCA limited quantity max net quantity (IATA) | : Forbidden |
| PCA packing instructions (IATA)              | : See 650   |
| PCA max net quantity (IATA)                  | : See 650   |
| CAO packing instructions (IATA)              | : See 650   |
| CAO max net quantity (IATA)                  | : See 650   |
| ERG code (IATA)                              | : 11L       |

#### Inland waterway transport

|                           |       |
|---------------------------|-------|
| Classification code (ADN) | : I4  |
| Special provisions (ADN)  | : 319 |
| Limited quantities (ADN)  | : 0   |

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Excepted quantities (ADN) : E0  
Equipment required (ADN) : PP  
Number of blue cones/lights (ADN) : 0

### Rail transport

Classification code (RID) : I4  
Special provisions (RID) : 319  
Limited quantities (RID) : 0  
Excepted quantities (RID) : E0  
Packing instructions (RID) : P650  
Portable tank and bulk container instructions (RID) : T1  
Portable tank and bulk container special provisions (RID) : TP1  
Tank codes for RID tanks (RID) : L4BH  
Special provisions for RID tanks (RID) : TU15, TU37  
Colis express (express parcels) (RID) : CE14  
Hazard identification number (RID) : 606

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

Not applicable

## SECTION 15: Regulatory information

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

#### EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

##### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

##### Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

##### Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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### SECTION 16: Other information

#### Abbreviations and acronyms:

|         |   |
|---------|---|
| ACGIH   | American Conference of Government Industrial Hygienists   |
| 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             |
| ATE     | Acute Toxicity Estimate   |
| BCF     | Bioconcentration factor   |
| BLV     | Biological limit value  |
| BOD     | Biochemical oxygen demand (BOD)   |
| CAS-No. | Chemical Abstract Service number  |
| CLP     | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                     |
| COD     | Chemical oxygen demand (COD)  |
| CSA     | Chemical safety assessment  |
| DMEL    | Derived Minimal Effect level  |
| DNEL    | Derived-No Effect Level   |
| EC-No.  | European Community number   |
| EC50    | Median effective concentration  |
| ED      | Endocrine disruptor   |
| EN      | European Standard   |
| EWC     | European waste catalogue  |
| IARC    | International Agency for Research on Cancer   |
| IATA    | International Air Transport Association   |
| IMDG    | International Maritime Dangerous Goods  |
| LC50    | Median lethal concentration   |
| LD50    | Median lethal dose  |
| LOAEL   | Lowest Observed Adverse Effect Level  |
| Log Kow | Partition coefficient n-octanol/water (Log Kow)   |
| Log Pow | Partition coefficient n-octanol/water (Log Pow)   |
| MAK     | maximum workplace concentration   |
| NOAEC   | No-Observed Adverse Effect Concentration  |
| NOAEL   | No-Observed Adverse Effect Level  |
| NOEC    | No-Observed Effect Concentration  |
| N.O.S.  | Not Otherwise Specified   |
| OECD    | Organisation for Economic Co-operation and Development  |
| OEL     | Occupational Exposure Limit   |
| OSHA    | Occupational Safety Health Administration   |
| PBT     | Persistent Bioaccumulative Toxic  |
| PNEC    | Predicted No-Effect Concentration   |
| PPE     | Personal protection equipment   |

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| Abbreviations and acronyms: |  |
|-----------------------------|--|
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                         | Safety Data Sheet  |
| STP                         | Sewage treatment plant   |
| TF                          | Technical function   |
| ThOD                        | Theoretical oxygen demand (ThOD)   |
| TLM                         | Median Tolerance Limit   |
| TWA                         | Time Weighted Average  |
| VOC                         | Volatile Organic Compounds   |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |
| UFI                         | Unique Formula Identifier  |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.