

# SAFETY DATA SHEET

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



## BYK-3400

Version: 11.0  
SDB\_IE

Revision Date: 24.11.2025

Date of last issue: 02.04.2025  
Print Date: 25.11.2025

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

#### 1.1 Product identifier

Trade name : BYK-3400

UFI : JDKC-00Y7-Y00E-2TKQ

Product code : 000000000000122082

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

Use of the Substance/Mixture : Surface Additive

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

Company : BYK-Chemie GmbH  
Abelstrasse 45  
46483 Wesel

Telephone : +49 281 670-0  
Telefax : +49 281 65735

Information : Regulatory Affairs  
Telephone : +49 281 670-23532  
Telefax : +49 281 670-23533  
E-mail address : GHS.BYK@altana.com

#### 1.4 Emergency telephone

+44 1235 239670

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

Skin irritation, Category 2 H315: Causes skin irritation.  
Serious eye damage, Category 1 H318: Causes serious eye damage.

#### 2.2 Label elements

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

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H315 Causes skin irritation.  
H318 Causes serious eye damage.

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### Precautionary Statements : **Prevention:**

P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ eye protection/ face protection.

### **Response:**

P302 + P352 IF ON SKIN: Wash with plenty of water.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

### **Hazardous ingredients which must be listed on the label:**

- 577-11-7 docusate sodium

### 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

Chemical nature : Aqueous solution of a modified succinic acid and polyether-modified siloxane.

#### Components

| Chemical name     | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number | Classification                            | Concentration<br>(% w/w)  |
|-------------------|---|---|---------------------------|
| docusate sodium   | 577-11-7<br>209-406-4<br>01-2119491296-29             | Skin Irrit. 2; H315<br>Eye Dam. 1; H318   | <b>&gt;= 30 - &lt; 50</b> |
| 2-ethylhexan-1-ol | 104-76-7<br>203-234-3                                 | Acute Tox. 4; H332<br>Skin Irrit. 2; H315 | <b>&gt;= 3 - &lt; 5</b>   |

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|                           |                       |  |                              |
|---------------------------|-----------------------|--|------------------------------|
|                           | 01-2119487289-20      | Eye Irrit. 2; H319<br>STOT SE 3; H335<br>(Respiratory system)<br>Aquatic Chronic 3;<br>H412    |                              |
| bis(2-ethylhexyl) maleate | 142-16-5<br>205-524-5 | STOT RE 2; H373<br>Aquatic Chronic 1;<br>H410<br><br>M-Factor (Chronic<br>aquatic toxicity): 1 | <b>&gt;= 0,1 - &lt; 0,25</b> |

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first-aid measures

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this material safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Keep respiratory tract clear.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.

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

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Symptoms : No information available.  
Risks : Causes skin irritation.  
Causes serious eye damage.

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

Treatment : No information available.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : High volume water jet

### 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 : Carbon oxides

### 5.3 Advice for firefighters

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

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 : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal considerations see section 13., For personal protection see section 8.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapors/dust.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
To avoid spills during handling keep bottle on a metal tray.  
Dispose of rinse water in accordance with local and national regulations.

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

Hygiene measures : When using do not eat or drink. When using do not smoke.  
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. Electrical installations / working materials must comply with the technological safety standards.

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

### 7.3 Specific end use(s)

Specific use(s) : No data available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

| Components        | CAS-No.  | Value type (Form of exposure)                     | Control parameters               | Basis       |
|-------------------|----------|---|----------------------------------|-------------|
| propane-1,2-diol  | 57-55-6  | OELV - 8 hrs (TWA) (particles)                    | 10 mg/m <sup>3</sup>             | IE OEL      |
|                   |          | OELV - 8 hrs (TWA) (total (vapour and particles)) | 150 ppm<br>470 mg/m <sup>3</sup> | IE OEL      |
| 2-ethylhexan-1-ol | 104-76-7 | TWA   | 1 ppm                            | 2017/164/EU |

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|                                 |  |                       |                    |        |
|---------------------------------|--|-----------------------|--------------------|--------|
|                                 |  |                       | 5,4 mg/m3          |        |
| Further information: Indicative |  |                       |                    |        |
|                                 |  | OELV - 8 hrs<br>(TWA) | 1 ppm<br>5,4 mg/m3 | IE OEL |

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

| Substance name    | End Use          | Routes of exposure | Potential health effects   | Value       |
|-------------------|------------------|--------------------|----------------------------|-------------|
| docusate sodium   | Industrial use   | Skin contact       | Long-term systemic effects | 31,3 mg/kg  |
|                   | Industrial use   | Inhalation         | Long-term systemic effects | 44,1 mg/m3  |
|                   | Professional use | Skin contact       | Long-term systemic effects | 18,8 mg/kg  |
|                   | Professional use | Inhalation         | Long-term systemic effects | 13 mg/m3    |
| propane-1,2-diol  | Professional use | Ingestion          | Long-term systemic effects | 18,8 mg/kg  |
|                   | Consumers        | Inhalation         | Long-term local effects    | 10 mg/m3    |
|                   | Workers          | Inhalation         | Long-term local effects    | 10 mg/m3    |
|                   | Consumers        | Inhalation         | Long-term systemic effects | 50 mg/m3    |
| 2-ethylhexan-1-ol | Workers          | Inhalation         | Long-term systemic effects | 168 mg/m3   |
|                   | Workers          | Inhalation         | Acute local effects        | 106,4 mg/m3 |
|                   | Workers          | Inhalation         | Long-term systemic effects | 53,2 mg/m3  |
|                   | Workers          | Skin contact       | Long-term systemic effects | 23 mg/kg    |
|                   | Consumers        | Inhalation         | Acute local effects        | 53,2 mg/m3  |
|                   | Consumers        | Inhalation         | Long-term systemic effects | 2,3 mg/m3   |
|                   | Consumers        | Skin contact       | Long-term systemic effects | 11,4 mg/kg  |
|                   | Consumers        | Ingestion          | Long-term systemic effects | 1,1 mg/kg   |

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

| Substance name   | Environmental Compartment | Value       |
|------------------|---------------------------|-------------|
| docusate sodium  | Fresh water               | 0,0066 mg/l |
|                  | Sea water                 | 0,0007 mg/l |
|                  | Intermittent releases     | 0,066 mg/l  |
|                  | Fresh water sediment      |             |
|                  | Soil                      | 0,138 mg/kg |
| propane-1,2-diol | Sewage treatment plant    | 122 mg/l    |
|                  | Fresh water               | 260 mg/l    |
|                  | Intermittent releases     | 183 mg/l    |
|                  | Sea water                 | 26 mg/l     |
|                  | Fresh water sediment      | 572 mg/kg   |
|                  | Sea sediment              | 57,2 mg/kg  |

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|                   |                        |             |
|-------------------|------------------------|-------------|
|                   | Soil                   | 50 mg/kg    |
|                   | Sewage treatment plant | 20000 mg/l  |
| 2-ethylhexan-1-ol | Fresh water            | 0,017 mg/l  |
|                   | Sea water              | 0,0017 mg/l |
|                   | Fresh water sediment   | 0,28 mg/kg  |
|                   | Sea sediment           | 0,028 mg/kg |
|                   | Soil                   | 0,047 mg/kg |
|                   | Intermittent releases  | 0,17 mg/l   |
|                   | Sewage treatment plant | 10 mg/l     |
|                   | Oral                   | 55 mg/kg    |

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

Hand protection

Material : Nitrile rubber  
Break through time : > 120 min

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

Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

#### Environmental exposure controls

General advice : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : Molten form

Color : light yellow

Odor : not significant

Odor Threshold : No data available

Melting point/ range : < 0 °C  
Method: derived

Initial boiling point : ca. 100 °C  
Method: derived

Upper explosion limit / Upper : No data available

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flammability limit

Lower explosion limit / Lower  
flammability limit : No data available

Flash point : > 100 °C

Autoignition temperature : > 200 °C  
Method: DIN 51794

Decomposition temperature : No data available

pH : 7 (20 °C)  
Concentration: 100 %  
Method: Universal pH-value indicator

Viscosity  
Viscosity, dynamic : No data available

Solubility(ies)  
Water solubility : completely miscible

Solubility in other solvents : No data available

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

Vapor pressure : ca. 20 hPa (20 °C)  
Method: derived

Relative density : No data available

Density : 1,075 g/cm<sup>3</sup> (20 °C, 1.013 hPa)  
Method: 4 (20°C oscillating U-tube)

Bulk density : Not applicable

Relative vapor density : No data available

### 9.2 Other information

Flammability (liquids) : Sustains combustion

Evaporation rate : No data available

Surface tension : 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 : No decomposition if stored and applied as directed.

#### 10.4 Conditions to avoid

Conditions to avoid : No data available

#### 10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

#### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

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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 due to lack of data.

##### Product:

Acute oral toxicity : Remarks: No data available

Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor  
Method: Calculation method

##### Components:

##### **docosate sodium:**

Acute oral toxicity : LD50 (Rat, male and female): > 2.000 mg/kg  
Method: OECD Test Guideline 401

##### **2-ethylhexan-1-ol:**

Acute oral toxicity : LD50 (Rat): ca. 2.047 mg/kg  
Method: OECD Test Guideline 401  
GLP: no

Acute inhalation toxicity : LC50 (Rat): > 1 mg/l  
Test atmosphere: dust/mist

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Method: OECD Test Guideline 403  
GLP: yes

Acute dermal toxicity : LD50 (Rat, male and female): > 3.000 mg/kg  
Method: OECD Test Guideline 402

### Skin corrosion/irritation

Causes skin irritation.

#### Product:

Remarks : May irritate skin.  
May cause skin irritation in susceptible persons.

#### Components:

##### 2-ethylhexan-1-ol:

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : Severe skin irritation  
GLP : no

### Serious eye damage/eye irritation

Causes serious eye damage.

#### Product:

Remarks : May cause irreversible eye damage.

#### Components:

##### 2-ethylhexan-1-ol:

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : Eye irritation  
GLP : no

### Respiratory or skin sensitization

#### Skin sensitization

Not classified due to lack of data.

#### Respiratory sensitization

Not classified due to lack of data.

#### Product:

Remarks : No data available

### Germ cell mutagenicity

Not classified due to lack of data.

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### **Product:**

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

### **Carcinogenicity**

Not classified due to lack of data.

### **Product:**

Remarks : No data available

### **Reproductive toxicity**

Not classified due to lack of data.

### **Product:**

Effects on fertility : Remarks: No data available

Effects on fetal development : Remarks: No data available

### **STOT-single exposure**

Not classified due to lack of data.

### **Product:**

Remarks : No data available

### **STOT-repeated exposure**

Not classified due to lack of data.

### **Product:**

Remarks : No data available

### **Repeated dose toxicity**

### **Product:**

Remarks : No data available

### **Aspiration toxicity**

Not classified due to lack of data.

### **Product:**

No data available

## 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

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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.

### Further information

#### Product:

Remarks : No data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish : Remarks: No data available

#### Components:

##### **docusate sodium:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 49 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Method: Regulation (EC) No. 440/2008, Annex, C.1  
GLP: yes

Toxicity to algae/aquatic plants : EC50 (algae): 82,5 mg/l  
Exposure time: 72 h  
Test Type: Growth inhibition  
Method: Regulation (EC) No. 440/2008, Annex, C.3  
GLP: yes

##### **2-ethylhexan-1-ol:**

Toxicity to fish : NOEC (Leuciscus idus (Golden orfe)): 14 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
Method: Directive 67/548/EEC, Annex V, C.1.  
GLP: yes

LC50 (Pimephales promelas (fathead minnow)): 28,2 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
Method: OECD Test Guideline 203  
GLP: no

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna Straus (Water flea)): 39 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: Regulation (EC) No. 440/2008, Annex, C.2  
GLP: yes

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Toxicity to algae/aquatic plants : (Desmodesmus subspicatus (green algae)): 11,5 mg/l  
Exposure time: 72 h  
GLP: yes

(Desmodesmus subspicatus (green algae)): 16,6 mg/l  
Exposure time: 72 h  
GLP: yes

### 12.2 Persistence and degradability

#### Product:

Biodegradability : Remarks: No data available

#### Components:

##### **2-ethylhexan-1-ol:**

Biodegradability : Result: Readily biodegradable.  
Method: OECD Test Guideline 301C  
GLP: No information available.

### 12.3 Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: No data available

#### Components:

##### **2-ethylhexan-1-ol:**

Partition coefficient: n-octanol/water : log Pow: 2,9 (25 °C)  
pH: 7  
Method: OECD Test Guideline 117  
GLP: no

### 12.4 Mobility in soil

No data available

### 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

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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 : There is no data available for this product.  
No data available

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

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## SECTION 14: Transport information

### 14.1 UN number or ID number

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

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)

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

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### 14.4 Packing group

|                         |   |                                   |
|-------------------------|---|-----------------------------------|
| <b>ADR</b>              | : | Not regulated as a dangerous good |
| <b>RID</b>              | : | Not regulated as a dangerous good |
| <b>IMDG</b>             | : | Not regulated as a dangerous good |
| <b>IATA (Cargo)</b>     | : | Not regulated as a dangerous good |
| <b>IATA (Passenger)</b> | : | Not regulated as a dangerous good |

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

Not applicable

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

Not applicable for product as supplied.

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## 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)              | : | Conditions of restriction for the following entries should be considered:<br>Number on list 3<br><br>Number on list 75: If you intend to use this product as tattoo ink, please contact your vendor. |
| REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59).   | : | This product does not contain substances of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 57).   |
| REACH - List of substances subject to authorisation (Annex XIV)   | : | Not applicable   |
| Fire Hazard Class   | : | -: -   |
| 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   |

### 15.2 Chemical Safety Assessment

Not applicable

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### SECTION 16: Other information

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

#### Full text of H-Statements

|      |   |  |
|------|---|--|
| H315 | : | Causes skin irritation.  |
| H318 | : | Causes serious eye damage.   |
| H319 | : | Causes serious eye irritation.                                     |
| H332 | : | Harmful if inhaled.  |
| H335 | : | May cause respiratory irritation.                                  |
| H373 | : | May cause damage to organs through prolonged or repeated exposure. |
| H410 | : | Very toxic to aquatic life with long lasting effects.              |
| 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  |
| Skin Irrit.                 | : | Skin irritation   |
| STOT RE                     | : | Specific target organ toxicity - repeated exposure  |
| STOT SE                     | : | Specific target organ toxicity - single exposure  |
| 2017/164/EU                 | : | Europe. Commission Directive 2017/164/EU establishing a fourth list of indicative occupational exposure limit values          |
| IE OEL                      | : | Ireland. List of Chemical Agents and Carcinogens with Occupational Exposure Limit Values - Code of Practice, Schedule 1 and 2 |
| 2017/164/EU / TWA           | : | Limit Value - eight hours   |
| IE OEL / OELV - 8 hrs (TWA) | : | Occupational exposure limit value (8-hour reference period)   |

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 Standardization; 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 Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test



# SAFETY DATA SHEET

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



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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, Authorization 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:

|               |      |
|---------------|------|
| Skin Irrit. 2 | H315 |
| Eye Dam. 1    | H318 |

#### Classification procedure:

|                    |
|--------------------|
| Calculation method |
| 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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