

## Safety Data Sheet

Skladno z Uredbo ES št. 1907/2006 (REACH), Člen 31, Priloga II, kot spremenjeno z Uredbo Komisije (EU) št. 2020/878

### BIOSCU D ARTIC

Date of first edition: 26. 01. 2024

Safety Data Sheet dated 07/05/2024 version 3

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

### 1.1. Product identifier

Mixture identification:

Trade name: BIOSCU D ARTIC

Trade code: 17092020

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

Recommended use: Hidroizolacijsko sredstvo

Uses advised against: Uporabe, ki niso priporočene

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

Company: KERAKOLL S.p.A.

Via dell'Artigianato, 9

41049 Sassuolo (MODENA) - ITALY

Tel. +39 0536 816511 Fax. +39 0536816581

safety@kerakoll.com

### 1.4. Emergency telephone number

112 v primeru zastrupitve v sil/ in case of emergency poisoning

## SECTION 2: Hazards identification



### 2.1. Classification of the substance or mixture

#### Regulation (EC) n. 1272/2008 (CLP)

|               |                                                                    |
|---------------|--------------------------------------------------------------------|
| Flam. Liq. 3  | Flammable liquid and vapour.                                       |
| Skin Irrit. 2 | Causes skin irritation.                                            |
| Eye Irrit. 2  | Causes serious eye irritation.                                     |
| STOT SE 3     | May cause respiratory irritation.                                  |
| STOT RE 2     | May cause damage to organs through prolonged or repeated exposure. |
| Asp. Tox. 1   | May be fatal if swallowed and enters airways.                      |

Adverse physicochemical, human health and environmental effects:

No other hazards

### 2.2. Label elements

#### Regulation (EC) No 1272/2008 (CLP):

#### Hazard pictograms and Signal Word



Danger

#### Hazard statements

|      |                                                                    |
|------|--------------------------------------------------------------------|
| H226 | Flammable liquid and vapour.                                       |
| H304 | May be fatal if swallowed and enters airways.                      |
| H315 | Causes skin irritation.                                            |
| H319 | Causes serious eye irritation.                                     |
| H335 | May cause respiratory irritation.                                  |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

#### Precautionary statements

|      |                                |
|------|--------------------------------|
| P102 | Keep out of reach of children. |
| P260 | Do not breathe vapours.        |

- P280 Wear protective gloves and eye protection.
- P301+P310 IF SWALLOWED: Immediately call a doctor.
- P331 Do NOT induce vomiting.
- P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

- EUH208 Contains Hydroxyphenyl benzotriazole derivatives. May produce an allergic reaction.
- EUH208 Contains Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate. May produce an allergic reaction.

Contains

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Dir. 2004/42/EC (VOC directive)

- Posebni enokomponentni premazi
- EU limit value for this product (cat. A/i): 500 g/l
- This product contains max 494.5 g/l VOC.

Special provisions according to Annex XVII of REACH and subsequent amendments:

Nobena

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Mixture identification: BIOSCUD ARTIC

Hazardous components within the meaning of the CLP regulation and related classification:

| Qty           | Name                                            | Ident. Numb.                                        | Classification                                                                                                                       | Registration Number |
|---------------|-------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| ≥20-<50 %     | ksilen                                          | CAS:1330-20-7<br>EC:215-535-7<br>Index:601-022-00-9 | Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Asp. Tox. 1, H304; STOT RE 2, H373; Skin Irrit. 2, H315; STOT SE 3, H335 | 01-2119488216-32    |
| ≥0.15-<0.20 % | Hydroxyphenyl benzotriazole derivatives         | EC:400-830-7<br>Index:607-176-00-3                  | Aquatic Chronic 2, H411; Skin Sens. 1, H317                                                                                          | 01-0000015075-76    |
| ≥0.1-<0.15 %  | Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate | CAS:41556-26-7<br>EC:255-437-1                      | Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 4, H413, M-Acute:1                                                        | 01-2119491304-40    |

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

- Immediately take off all contaminated clothing.
- Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.
- Wash thoroughly the body (shower or bath).
- Remove contaminated clothing immediatley and dispose off safely.
- After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

- After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
- Protect uninjured eye.

In case of Ingestion:

- Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

- In case of inhalation, consult a doctor immediately and show him packing or label.

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

Eye irritation

Eye damages

Skin Irritation

Erythema

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

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

#### **5.1. Extinguishing media**

Suitable extinguishing media:

CO2 or Dry chemical fire extinguisher.

Extinguishing media which must not be used for safety reasons:

Water.

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

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

#### **5.3. Advice for firefighters**

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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

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

##### **For non emergency personnel:**

Wear personal protection equipment.

Remove all sources of ignition.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

##### **For emergency responders:**

Wear personal protection equipment.

#### **6.2. Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

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

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

#### **6.4. Reference to other sections**

See also section 8 and 13

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

#### **7.1. Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.

Use localized ventilation system.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

##### **Advice on general occupational hygiene:**

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

Posode hranite zaprte, na zračnem mestu.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Incompatible materials:

Instructions as regards storage premises:

Cool and adequately ventilated.

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

Recommendation(s)

None in particular

Industrial sector specific solutions:

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Community Occupational Exposure Limits (OEL)**

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|                |                        |                                                                                                                                                                                                               |
|----------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAS: 1330-20-7 | ACGIH                  | Long Term: 20 ppm (8h)<br>Notes: A4, BEI - URT and eye irr; hematologic eff; CNS impair                                                                                                                       |
|                | EU                     | Long Term: 221 mg/m <sup>3</sup> - 50 ppm (8h); Short Term: 442 mg/m <sup>3</sup> - 100 ppm<br>Notes: Skin                                                                                                    |
|                | NATION Avstrija<br>AL  | Long Term: 221 mg/m <sup>3</sup> - 50 ppm; Short Term: 442 mg/m <sup>3</sup> - 100 ppm<br>Notes: 15(Miw), 4x, MAK<br>Source: BGBl. II Nr. 156/2021                                                            |
|                | NATION Belgija<br>AL   | Long Term: 221 mg/m <sup>3</sup> - 50 ppm; Short Term: 442 mg/m <sup>3</sup> - 100 ppm<br>Notes: D<br>Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1                                |
|                | NATION Bolgarija<br>AL | Long Term: 221 mg/m <sup>3</sup> - 50 ppm; Short Term: 442 mg/m <sup>3</sup> - 100 ppm<br>Notes: Кожа<br>Source: НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г.                                                          |
|                | NATION Ciper<br>AL     | Long Term: 221 mg/m <sup>3</sup> - 50 ppm; Short Term: 442 mg/m <sup>3</sup> - 100 ppm<br>Notes: δέρμα<br>Source: Οι περί Ασφάλειας και Υγείας στην Εργασία (Χημικοί Παράγοντες) Κανονισμοί του 2001 έως 2021 |
|                | NATION Češka<br>AL     | Long Term: 200 mg/m <sup>3</sup> ; Short Term: Ceiling - 400 mg/m <sup>3</sup><br>Notes: B, D, I<br>Source: Nařízení vlády č. 361-2007 Sb                                                                     |
|                | NATION Nemčija<br>AL   | Long Term: 220 mg/m <sup>3</sup> - 50 ppm<br>Notes: DFG, EU, H, 2(II)<br>Source: TRGS 900                                                                                                                     |
|                | NATION Danska<br>AL    | Long Term: 109 mg/m <sup>3</sup> - 25 ppm<br>Notes: EH<br>Source: BEK nr 2203 af 29/11/2021                                                                                                                   |
|                | NATION Španija<br>AL   | Long Term: 221 mg/m <sup>3</sup> - 50 ppm; Short Term: 442 mg/m <sup>3</sup> - 100 ppm<br>Notes: vía dérmica, VLB®, VLI<br>Source: LEP 2022                                                                   |
|                | NATION Estonija<br>AL  | Long Term: 200 mg/m <sup>3</sup> - 50 ppm; Short Term: 450 mg/m <sup>3</sup> - 100 ppm<br>Notes: A<br>Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105                                           |
|                | NATION Finska<br>AL    | Long Term: 220 mg/m <sup>3</sup> - 50 ppm; Short Term: 440 mg/m <sup>3</sup> - 100 ppm<br>Notes: iho<br>Source: HTP-ARVOT 2020                                                                                |
|                | NATION Francija<br>AL  | Long Term: 221 mg/m <sup>3</sup> - 50 ppm; Short Term: 442 mg/m <sup>3</sup> - 100 ppm<br>Notes: Risque de pénétration percutanée<br>Source: INRS outil65, article R. 4412-149 du Code du travail             |
|                | NATION Grčija<br>AL    | Long Term: 435 mg/m <sup>3</sup> - 100 ppm; Short Term: 650 mg/m <sup>3</sup> - 150 ppm<br>Notes: Δ<br>Source: ΦΕΚ 94/Α` 13.5.1999                                                                            |
|                | NATION Hrvaška<br>AL   | Long Term: 221 mg/m <sup>3</sup> - 50 ppm; Short Term: 442 mg/m <sup>3</sup> - 100 ppm<br>Notes: koža<br>Source: 2000/39/EZ                                                                                   |
|                | NATION Madžarska<br>AL | Long Term: 221 mg/m <sup>3</sup> ; Short Term: 442 mg/m <sup>3</sup><br>Notes: b, BEM, EU1, R<br>Source: 5/2020. (II. 6.) ITM rendelet                                                                        |
|                | NATION Irska<br>AL     | Long Term: 221 mg/m <sup>3</sup> - 50 ppm; Short Term: 442 mg/m <sup>3</sup> - 100 ppm<br>Notes: Sk, IOELV<br>Source: 2021 Code of Practice                                                                   |
|                | NATION Italija<br>AL   | Long Term: 221 mg/m <sup>3</sup> - 50 ppm; Short Term: 442 mg/m <sup>3</sup> - 100 ppm<br>Notes: Cute<br>Source: D.lgs. 81/2008, Allegato XXXVIII                                                             |

|                          |                                                                                                                                                                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NATION Litva<br>AL       | Long Term: 200 mg/m <sup>3</sup> - 50 ppm; Short Term: 450 mg/m <sup>3</sup> - 100 ppm<br>Notes: O<br>Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389                                                                                    |
| NATION Luksemburg<br>AL  | Long Term: 221 mg/m <sup>3</sup> - 50 ppm; Short Term: 442 mg/m <sup>3</sup> - 100 ppm<br>Notes: Peau<br>Source: Mémorial A n.226 du 22 mars 2021                                                                                      |
| NATION Latvija<br>AL     | Long Term: 221 mg/m <sup>3</sup> - 50 ppm; Short Term: 442 mg/m <sup>3</sup> - 100 ppm<br>Notes: Āda<br>Source: KN325P1                                                                                                                |
| NATION Malta<br>AL       | Long Term: 221 mg/m <sup>3</sup> - 50 ppm; Short Term: 442 mg/m <sup>3</sup> - 100 ppm<br>Notes: skin<br>Source: S.L.424.24                                                                                                            |
| NATION Nizozemska<br>AL  | Long Term: 210 mg/m <sup>3</sup> ; Short Term: 442 mg/m <sup>3</sup><br>Notes: H<br>Source: Arbeidsomstandighedenregeling - Lijst A                                                                                                    |
| NATION Norveška<br>AL    | Long Term: 108 mg/m <sup>3</sup> - 25 ppm<br>Notes: H E<br>Source: FOR-2021-06-28-2248                                                                                                                                                 |
| NATION Poljska<br>AL     | Long Term: 100 mg/m <sup>3</sup> ; Short Term: 200 mg/m <sup>3</sup><br>Notes: skóra<br>Source: Dz.U. 2018 poz. 1286                                                                                                                   |
| NATION Portugalska<br>AL | Long Term: 221 mg/m <sup>3</sup> - 50 ppm; Short Term: 442 mg/m <sup>3</sup> - 100 ppm<br>Notes: Cutânea<br>Source: Decreto-Lei n.º 1/2021                                                                                             |
| NATION Romunija<br>AL    | Long Term: 221 mg/m <sup>3</sup> - 50 ppm; Short Term: 442 mg/m <sup>3</sup> - 100 ppm<br>Notes: P, Dir. 2000/39<br>Source: Republicarea 1 - nr. 743 din 29 iulie 2021                                                                 |
| NATION Slovaška<br>AL    | Long Term: 221 mg/m <sup>3</sup> - 50 ppm; Short Term: 442 mg/m <sup>3</sup> - 100 ppm<br>Notes: K, 7)<br>Source: 355 NARIADENIE VLÁDY z 10. mája 2006                                                                                 |
| NATION Slovenija<br>AL   | Long Term: 221 mg/m <sup>3</sup> - 50 ppm; Short Term: 442 mg/m <sup>3</sup> - 100 ppm<br>Notes: K, BAT, EU1<br>Source: UL št. 72, 11. 5. 2021                                                                                         |
| NATION Švedska<br>AL     | Long Term: 221 mg/m <sup>3</sup> - 50 ppm; Short Term: 442 mg/m <sup>3</sup> - 100 ppm<br>Notes: H<br>Source: AFS 2021:3                                                                                                               |
| WEL-<br>EH40             | UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND<br>Long Term: 220 mg/m <sup>3</sup> - 50 ppm; Short Term: 441 mg/m <sup>3</sup> - 100 ppm<br>Notes: Sk, BMGV<br>Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020) |
| SUVA                     | Švicar<br>Long Term: 220 mg/m <sup>3</sup> - 50 ppm; Short Term: 440 mg/m <sup>3</sup> - 100 ppm<br>Notes: R/H, B, SNC / ZNS, NIOSH INRS<br>Source: suva.ch/valeurs-limites                                                            |

#### Predicted No Effect Concentration (PNEC) values

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CAS: 1330-20-7 Exposure Route: Fresh Water; PNEC Limit: 327 mg/m<sup>3</sup>  
Exposure Route: Intermittent releases (fresh water); PNEC Limit: 327 mg/m<sup>3</sup>  
Exposure Route: Marine water; PNEC Limit: 327 mg/m<sup>3</sup>  
Exposure Route: Mikroorganizmi v čiščenju odpadkov; PNEC Limit: 6.58 mg/l  
Exposure Route: Freshwater sediments; PNEC Limit: 12.46 mg/kg  
Exposure Route: Usedline morske vode; PNEC Limit: 12.46 mg/kg  
Exposure Route: Zemlja; PNEC Limit: 2.31 mg/kg

#### Derived No Effect Level (DNEL) values

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CAS: 1330-20-7 Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects  
Worker Professional: 289 mg/kg/day; Consumer: 174 mg/kg/day

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects  
Worker Professional: 289 mg/kg/day; Consumer: 174 mg/kg/day

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects  
Worker Professional: 180 mg/kg; Consumer: 108 mg/kg

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects  
Consumer: 1.6 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects  
Worker Professional: 77 mg/kg; Consumer: 14.8 mg/kg

#### Hydroxyphenyl benzotriazole derivatives

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects  
Worker Professional: 350 µg/m<sup>3</sup>; Consumer: 85 µg/m<sup>3</sup>

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects  
Worker Professional: 250 µg/kg; Consumer: 25 µg/kg

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects  
Consumer: 25 µg/kg

### 8.2. Exposure controls

#### Eye protection:

Očala s stransko zaščito.(EN166)

#### Protection for skin:

Kemična zaščitna oblačila. Zaščitna obutev

#### Protection for hands:

Nitrilna guma, Viton, 4H.

#### Respiratory protection:

Plinski filter tipa A.

#### Thermal Hazards:

Wear appropriate thermal protective clothing, when necessary.

#### Environmental exposure controls:

Ne dovolite, da izdelek pride v kanalizacijo ali v površinske ali podzemne vode.

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## SECTION 9: Physical and chemical properties

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

|                                                           |                                                     |
|-----------------------------------------------------------|-----------------------------------------------------|
| Physical state:                                           | Liquid                                              |
| Colour:                                                   | V skladu z opisom izdelka                           |
| Odour:                                                    | like: Xylene                                        |
| pH:                                                       | Not Relevant<br>Notes: Ni uporabljivo, nevodna zmes |
| Kinematic viscosity:                                      | <= 20,5 mm <sup>2</sup> /s (40 °C)                  |
| Melting point/freezing point:                             | N.A.                                                |
| Boiling point or initial boiling point and boiling range: | 130 °C (266 °F)                                     |
| Flash point:                                              | 30 °C (86 °F)                                       |
| Lower and upper explosion limit:                          | 7.00 % (UEL). 1.10 % (LEL).                         |
| Relative vapour density:                                  | N.A.                                                |
| Vapour pressure:                                          | N.A.                                                |
| Density and/or relative density:                          | 1.15 g/cm <sup>3</sup>                              |
| Solubility in water:                                      | Netopno                                             |
| Solubility in oil:                                        | N.A.                                                |
| Partition coefficient n-octanol/water (log value):        | Not Relevant<br>Notes: Ni uporabljivo za zmesi      |
| Auto-ignition temperature:                                | N.A.                                                |

|                                     |                                        |
|-------------------------------------|----------------------------------------|
| Decomposition temperature:          | N.A.                                   |
| Flammability:                       | The product is classified Flam. Liq. 3 |
| Volatile Organic compounds - VOCs = | 43.00%; 494.50g/L                      |
| <b>Particle characteristics:</b>    |                                        |
| Particle size:                      | N.A.                                   |

## 9.2. Other information

No other relevant information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions

### 10.2. Chemical stability

Data not available.

### 10.3. Possibility of hazardous reactions

None.

### 10.4. Conditions to avoid

Stable under normal conditions.

### 10.5. Incompatible materials

Avoid contact with oxidizing materials. The product could catch fire.

### 10.6. Hazardous decomposition products

None.

## SECTION 11: Toxicological information

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

#### Toxicological Information of the Preparation

|                                      |                                                                                                                                           |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| a) acute toxicity                    | Not classified<br>Based on available data, the classification criteria are not met<br>LC50 Inhalation > 20 mg/l<br>LD50 Skin > 2000 mg/kg |
| b) skin corrosion/irritation         | The product is classified: Skin Irrit. 2(H315)                                                                                            |
| c) serious eye damage/irritation     | The product is classified: Eye Irrit. 2(H319)                                                                                             |
| d) respiratory or skin sensitisation | Not classified<br>Based on available data, the classification criteria are not met                                                        |
| e) germ cell mutagenicity            | Not classified<br>Based on available data, the classification criteria are not met                                                        |
| f) carcinogenicity                   | Not classified<br>Based on available data, the classification criteria are not met                                                        |
| g) reproductive toxicity             | Not classified<br>Based on available data, the classification criteria are not met                                                        |
| h) STOT-single exposure              | The product is classified: STOT SE 3(H335)                                                                                                |
| i) STOT-repeated exposure            | The product is classified: STOT RE 2(H373)                                                                                                |
| j) aspiration hazard                 | The product is classified: Asp. Tox. 1(H304)                                                                                              |

#### Toxicological information on main components of the mixture:

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|                |                   |                                                                                                        |
|----------------|-------------------|--------------------------------------------------------------------------------------------------------|
| CAS: 1330-20-7 | a) acute toxicity | LD50 Oral Rat = 3523 ml/kg<br>LC50 Inhalation Vapour Rabbit = 26 mg/l 4h<br>LD50 Skin Rat = 4350 mg/kg |
|----------------|-------------------|--------------------------------------------------------------------------------------------------------|

Hydroxyphenyl benzotriazole derivatives

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| a) acute toxicity                | LD50 Oral Rat > 5000 mg/kg<br>LC50 Inhalation Rat > 5.8 mg/l 96h<br>LD50 Skin Rat > 2000 mg/kg |
| b) skin corrosion/irritation     | Skin Irritant Rabbit Negative 4h                                                               |
| c) serious eye damage/irritation | Eye Irritant Rabbit No                                                                         |

|                                      |                                             |
|--------------------------------------|---------------------------------------------|
| d) respiratory or skin sensitisation | Skin Sensitization Guinea pig Positive      |
| f) carcinogenicity                   | Genotoxicity Negative                       |
| g) reproductive toxicity             | No Observed Effect Level Oral Rat < 2 mg/kg |

#### 11.2. Information on other hazards

##### Endocrine disrupting properties:

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

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## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

#### List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

No data available for the product

#### List of Eco-Toxicological properties of the components

Hydroxyphenyl benzotriazole derivatives

- a) Aquatic acute toxicity: LC50 Fish freshwater fish = 2.8 mg/L 96h
- a) Aquatic acute toxicity: LC50 freshwater invertebrates = 4 mg/L
- b) Aquatic chronic toxicity: EC50 Daphnia Daphnia magna = 780 µg/L
- a) Aquatic acute toxicity: EC50 Algae freshwater algae = 9 mg/L 72h
- d) Terrestrial toxicity: LC50 Worm Eisenia foetida > 1000 mg/kg

### 12.2. Persistence and degradability

Hydroxyphenyl benzotriazole derivatives

|                           |                                  |
|---------------------------|----------------------------------|
| Non-readily biodegradable | Value: 12<br>Notes: %; OECD 301B |
|---------------------------|----------------------------------|

### 12.3. Bioaccumulative potential

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|                |                 |                                                  |
|----------------|-----------------|--------------------------------------------------|
| CAS: 1330-20-7 | Bioaccumulative | Test: BCF - Bioconcentration factor; Value: 25.9 |
|----------------|-----------------|--------------------------------------------------|

### 12.4. Mobility in soil

N.A.

### 12.5. Results of PBT and vPvB assessment

Ni sestavine PBT/vPvB.

### 12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

### 12.7. Other adverse effects

N.A.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Če je mogoče, predelajte. Pošljite v usposobljena odlagališča ali v zažig pod kontroliranimi pogoji. Ravnajte se po lokalnih in državnih normah. Odstranjevanje z izpustom v odpadno vodo ni dovoljeno

Odstranjeni izdelek mora biti v skladu z Uredbo (EU) 1357/2014 razvrščen kot nevaren odpad

Šifre odpadkov v skladu z Evropski seznam odpadkov (ESO) ni mogoče določiti zaradi odvisnosti od uporabe. Obrnite se na pooblaščen službo za odstranjevanje odpadkov.

#### Properties of waste which render it hazardous (Annex III, Directive 2008/98/EC):

N.A.

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## SECTION 14: Transport information

### 14.1. UN number or ID number

1263

### 14.2. UN proper shipping name

ADR-Shipping Name: PAINT

IATA-Shipping Name: PAINT

IMDG-Shipping Name: PAINT

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

ADR-Class: 3

IATA-Class: 3

IMDG-Class: 3

#### 14.4. Packing group

ADR-Packing Group: III

IATA-Packing group: III

IMDG-Packing group: III

#### 14.5. Environmental hazards

Marine pollutant: No

Environmental Pollutant: No

IMDG-EMS: F-E, S-E

#### 14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR-Label: 3

ADR - Hazard identification number: -

ADR-Special Provisions: 163 367 650

ADR-Transport category (Tunnel restriction code): 3 (E)

ADR Limited Quantities: 5 L

ADR Excepted Quantities: E1

Air (IATA):

IATA-Passenger Aircraft: 355

IATA-Cargo Aircraft: 366

IATA-Label: 3

IATA-Subsidiary hazards: -

IATA-Erg: 3L

IATA-Special Provisions: A3 A72 A192

Sea (IMDG):

IMDG-Stowage and handling: Category A

IMDG-Segregation: -

IMDG-Subsidiary hazards: -

IMDG-Special Provisions: 163 223 367 955

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

N.A.

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### SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EU) n. 2020/878

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

Regulation (EU) n. 2022/692 (ATP 18 CLP)

Regulation (EU) n. 2023/1434 (ATP 19 CLP)

Regulation (EU) n. 2024/197 (ATP 21 CLP)

Regulation (EU) n. 2024/2865

Regulation (EC) nr 648/2004 (Detergents).

Omejčitve, povezane z izdelkom ali vsebovanimi snovmi, v skladu s Prilogo XVII Uredbe (ES) 1907/2006 (REACH) in poznejše spremembe:

Restrictions related to the product: 3, 40

Restrictions related to the substances contained: 75

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/849 (ATP 17 CLP)

Regulation (EU) n. 2023/707

Regulation (EU) n. 2023/1435 (ATP 20 CLP)

Regulation (EU) n. 2024/2564 (ATP 22 CLP)

Regulation (EU) n. 2025/1222 (ATP 23 CLP)

**Provisions related to directive EU 2012/18 (Seveso III):**

**Seveso III category according to Annex 1, part 1**    **Lower-tier threshold (tonnes)**    **Upper-tier threshold (tonnes)**

Product belongs to category: P5c    5000    50000

**Explosives precursors – Regulation 2019/1148**

No substances listed

**Regulation (EU) No 649/2012 (PIC regulation)**

No substances listed

**German Water Hazard Class.**

Razred 2: ogroža vodo.

**German Lagerklasse according to TRGS 510:**

LGK 3

SVHC Substances:

No SVHC substances present in concentration  $\geq 0.1\%$

**Dir. 2004/42/EC (VOC directive)**

(ready to use)

Volatile Organic compounds - VOCs = 43.00 %

Volatile Organic compounds - VOCs = 494.50 g/L

**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out for the mixture.

**Substances for which a Chemical Safety Assessment has been carried out:**

ksilen

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**SECTION 16: Other information**

| Code | Description |
|------|-------------|
|------|-------------|

|      |                                                                    |
|------|--------------------------------------------------------------------|
| H226 | Flammable liquid and vapour.                                       |
| H304 | May be fatal if swallowed and enters airways.                      |
| H312 | Harmful in contact with skin.                                      |
| H315 | Causes skin irritation.                                            |
| H317 | May cause an allergic skin reaction.                               |
| 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. |
| H400 | Very toxic to aquatic life.                                        |
| H411 | Toxic to aquatic life with long lasting effects.                   |
| H413 | May cause long lasting harmful effects to aquatic life.            |

| Code         | Hazard class and hazard category | Description                                                    |
|--------------|----------------------------------|----------------------------------------------------------------|
| 2.6/3        | Flam. Liq. 3                     | Flammable liquid, Category 3                                   |
| 3.1/4/Dermal | Acute Tox. 4                     | Acute toxicity (dermal), Category 4                            |
| 3.1/4/Inhal  | Acute Tox. 4                     | Acute toxicity (inhalation), Category 4                        |
| 3.10/1       | Asp. Tox. 1                      | Aspiration hazard, Category 1                                  |
| 3.2/2        | Skin Irrit. 2                    | Skin irritation, Category 2                                    |
| 3.3/2        | Eye Irrit. 2                     | Eye irritation, Category 2                                     |
| 3.4.2/1      | Skin Sens. 1                     | Skin Sensitisation, Category 1                                 |
| 3.8/3        | STOT SE 3                        | Specific target organ toxicity — single exposure, Category 3   |
| 3.9/2        | STOT RE 2                        | Specific target organ toxicity — repeated exposure, Category 2 |
| 4.1/A1       | Aquatic Acute 1                  | Acute aquatic hazard, category 1                               |
| 4.1/C2       | Aquatic Chronic 2                | Chronic (long term) aquatic hazard, category 2                 |
| 4.1/C4       | Aquatic Chronic 4                | Chronic (long term) aquatic hazard, category 4                 |

**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:**

| Classification according to Regulation | Classification procedure |
|----------------------------------------|--------------------------|
|----------------------------------------|--------------------------|

**(EC) Nr. 1272/2008**

|                     |                       |
|---------------------|-----------------------|
| Flam. Liq. 3, H226  | On basis of test data |
| Skin Irrit. 2, H315 | Calculation method    |
| Eye Irrit. 2, H319  | Calculation method    |
| STOT SE 3, H335     | Calculation method    |
| STOT RE 2, H373     | Calculation method    |
| Asp. Tox. 1, H304   | Calculation method    |

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.

DPD: Dangerous Preparations Directive

DSD: Dangerous Substances Directive

EC50: Half Maximal Effective Concentration

ECHA: European Chemicals Agency

EINECS: European Inventory of Existing Commercial Chemical Substances.

ES: Exposure Scenario

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

IC50: half maximal inhibitory concentration

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

IRCCS: Scientific Institute for Research, Hospitalization and Health Care

KAFH: Keep Away From Heat

KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

LDLo: Leathal Dose Low

N.A.: Not Applicable

N/A: Not Applicable

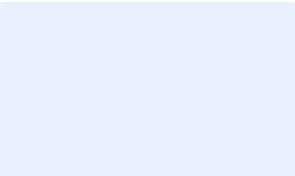
N/D: Not defined/ Not available

NA: Not available

NIOSH: National Institute for Occupational Safety and Health  
NOAEL: No Observed Adverse Effect Level  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, Bioaccumulative and Toxic  
PGK: Packaging Instruction  
PNEC: Predicted No Effect Concentration.  
PSG: Passengers  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
STEL: Short Term Exposure limit.  
STOT: Specific Target Organ Toxicity.  
TLV: Threshold Limiting Value.  
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).  
vPvB: Very Persistent, Very Bioaccumulative.  
WGK: German Water Hazard Class.

**Paragraphs modified from the previous revision:**

- Safety Data Sheet
- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 7: Handling and storage
- SECTION 8: Exposure controls/personal protection
- SECTION 9: Physical and chemical properties
- SECTION 11: Toxicological information
- SECTION 12: Ecological information
- SECTION 15: Regulatory information



# Scenarij izpostavljenosti

## Xylene, Mixed Isomers

### Scenarij izpostavljenosti, 14/10/2022

| Identiteta snovi        |                       |
|-------------------------|-----------------------|
|                         | Xylene, Mixed Isomers |
| št.CAS                  | 1330-20-7             |
| Št. INDEKSA             | 601-022-00-9          |
| št.EINECS               | 215-535-7             |
| Registracijska številka | 01-2119488216-32      |

### Kazalo

1. ES 1 Široko razširjena uporaba, ki jo izvajajo poklicni delavci

|                                                                                                                                  |                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. ES 1 Široko razširjena uporaba, ki jo izvajajo poklicni delavci                                                               |                                                                                                                                                                                                                                       |
| 1.1 NASLOVNI Odstavek                                                                                                            |                                                                                                                                                                                                                                       |
| Ime scenarija izpostavljenosti                                                                                                   | Gospodarska uporaba premazov in barv                                                                                                                                                                                                  |
| Datum - revizija                                                                                                                 | 14/10/2022 - 1.0                                                                                                                                                                                                                      |
| Stopnja življenjskega cikla                                                                                                      | Široko razširjena uporaba, ki jo izvajajo poklicni delavci                                                                                                                                                                            |
| Glavna uporabniška skupina                                                                                                       | Poklicne uporabe                                                                                                                                                                                                                      |
| Sektor(-ji) uporabe                                                                                                              | Poklicne uporabe (SU22)                                                                                                                                                                                                               |
| Scenarij, ki prispeva Okolje                                                                                                     |                                                                                                                                                                                                                                       |
| CS1                                                                                                                              | ERC8a - ERC8d                                                                                                                                                                                                                         |
| Scenarij, ki prispeva Delojemalec                                                                                                |                                                                                                                                                                                                                                       |
| CS2 Prenosi materiala                                                                                                            | PROC8a                                                                                                                                                                                                                                |
| CS3 Nanašanje z valjem in čopičem                                                                                                | PROC10                                                                                                                                                                                                                                |
| CS4 Nanašanje z valjem, pršenjem in polivanjem                                                                                   | PROC11                                                                                                                                                                                                                                |
| 1.2 Pogoji uporabe z vplivom na izpostavitve                                                                                     |                                                                                                                                                                                                                                       |
| 1.2. CS1: Scenarij, ki prispeva Okolje (ERC8a, ERC8d)                                                                            |                                                                                                                                                                                                                                       |
| Kategorije sproščanja v okolje                                                                                                   | Široko razširjena uporaba nereaktivnega procesnega pripomočka (brez vključitve v ali na izdelek, notranja) - Široko razširjena uporaba nereaktivnega procesnega pripomočka (brez vključitve v ali na izdelek, zunanja) (ERC8a, ERC8d) |
| Lastnosti izdelka (proizvoda)                                                                                                    |                                                                                                                                                                                                                                       |
| Fizikalna oblika izdelka:<br>Tekoč                                                                                               |                                                                                                                                                                                                                                       |
| Koncentracija substance v produktu:<br>Obsega delež snovi v izdelku do 100 %.                                                    |                                                                                                                                                                                                                                       |
| Uporabljena količina, pogostost in trajanje uporabe/(ali amortizacijska doba)                                                    |                                                                                                                                                                                                                                       |
| Dnevi emisij: 300 dnevi na leto                                                                                                  |                                                                                                                                                                                                                                       |
| Pogoji in ukrepi v zvezi s komunalnimi čistilnimi napravami                                                                      |                                                                                                                                                                                                                                       |
| Vrsta čistilne naprave (STP):<br>Domača čistilna naprava                                                                         |                                                                                                                                                                                                                                       |
| STP odpadne vode (m3/dan): 2000                                                                                                  |                                                                                                                                                                                                                                       |
| Pogoji in meritve v zvezi z obdelavo odpadkov (vključno z odpadki izdelka)                                                       |                                                                                                                                                                                                                                       |
| Ravnanje z odpadki<br>Zunanja obdelava in odstranjevanje odpadkov morata biti skladna s krajevnimi in/ali nacionalnimi predpisi. |                                                                                                                                                                                                                                       |
| Drugi pogoji uporabe, ki vplivajo na izpostavljenost okolja                                                                      |                                                                                                                                                                                                                                       |
| Krajevni faktor razredčenja morske vode:: 100<br>Krajevni faktor razredčenja sladke vode: 10                                     |                                                                                                                                                                                                                                       |
| 1.2. CS2: Scenarij, ki prispeva Delojemalec: Prenosi materiala (PROC8a)                                                          |                                                                                                                                                                                                                                       |
| Kategorije procesov                                                                                                              | Prenos snovi ali zmesi (polnjenje in praznjenje) na nenamenskih napravah (PROC8a)                                                                                                                                                     |
| Lastnosti izdelka (proizvoda)                                                                                                    |                                                                                                                                                                                                                                       |
| Fizikalna oblika izdelka:<br>Tekoč                                                                                               |                                                                                                                                                                                                                                       |
| Parni tlak:<br>= 500 Pa                                                                                                          |                                                                                                                                                                                                                                       |

|                                                                                                                                                                           |                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| <b>Koncentracija substance v produktu:</b><br>Obsega delež snovi v izdelku do 100 %.                                                                                      |                                           |
| <i>Uporabljena količina, pogostost in trajanje uporabe/izpostavljenost</i>                                                                                                |                                           |
| <b>Trajanje:</b><br>Obsega dnevno izpostavljenost do 8 ure                                                                                                                |                                           |
| <i>Tehnični in organizacijski pogoji in ukrepi</i>                                                                                                                        |                                           |
| <b>Tehnični in organizacijski ukrepi</b><br>Uporaba v zaprtih procesih<br>Zagotovite zadostno stopnjo splošnega prezračevanja (ne manj kot 3 do 5 izmenjav zraka na uro). |                                           |
| <i>Pogoji in ukrepi glede na osebno zaščito, higieno in preverjanje zdravstvenega stanja</i>                                                                              |                                           |
| <b>Osebna zaščitna oprema</b><br>Nosite primerne rokavice, preizkušene po EN374.                                                                                          |                                           |
| <i>Drugi pogoji uporabe, ki vplivajo na izpostavljenost delojemalcev</i>                                                                                                  |                                           |
| Gospodarska uporaba<br><b>Temperatura:</b> Predpostavljena je uporaba pri temperaturah ki ne presegajo temperaturo okolice za več kot 20 °C.                              |                                           |
| <b>1.2. CS3: Scenarij, ki prispeva Delojemalec: Nanašanje z valjem in čopičem (PROC10)</b>                                                                                |                                           |
| <b>Kategorije procesov</b>                                                                                                                                                | Nanašanje z valjčkom ali čopičem (PROC10) |
| <i>Lastnosti izdelka (proizvoda)</i>                                                                                                                                      |                                           |
| <b>Fizikalna oblika izdelka:</b><br>Tekoč                                                                                                                                 |                                           |
| <b>Parni tlak:</b><br>= 500 Pa                                                                                                                                            |                                           |
| <b>Koncentracija substance v produktu:</b><br>Obsega delež snovi v izdelku do 100 %.                                                                                      |                                           |
| <i>Uporabljena količina, pogostost in trajanje uporabe/izpostavljenost</i>                                                                                                |                                           |
| <b>Trajanje:</b><br>Obsega dnevno izpostavljenost do 8 ure                                                                                                                |                                           |
| <i>Tehnični in organizacijski pogoji in ukrepi</i>                                                                                                                        |                                           |
| <b>Tehnični in organizacijski ukrepi</b><br>Zagotovite zadostno stopnjo nadziranega prezračevanja (10 do 15 izmenjav zraka na uro).                                       |                                           |
| <i>Pogoji in ukrepi glede na osebno zaščito, higieno in preverjanje zdravstvenega stanja</i>                                                                              |                                           |
| <b>Osebna zaščitna oprema</b><br>Nosite primerne rokavice, preizkušene po EN374.<br>Nosite respirator skladno z EN140.                                                    |                                           |
| <i>Drugi pogoji uporabe, ki vplivajo na izpostavljenost delojemalcev</i>                                                                                                  |                                           |
| Gospodarska uporaba<br><b>Temperatura:</b> Predpostavljena je uporaba pri temperaturah ki ne presegajo temperaturo okolice za več kot 20 °C.                              |                                           |
| <b>1.2. CS4: Scenarij, ki prispeva Delojemalec: Nanašanje z valjem, pršenjem in polivanjem (PROC11)</b>                                                                   |                                           |
| <b>Kategorije procesov</b>                                                                                                                                                | Neindustrijsko brizganje (PROC11)         |
| <i>Lastnosti izdelka (proizvoda)</i>                                                                                                                                      |                                           |
| <b>Fizikalna oblika izdelka:</b><br>Tekoč                                                                                                                                 |                                           |
| <b>Parni tlak:</b><br>= 500 Pa                                                                                                                                            |                                           |
| <b>Koncentracija substance v produktu:</b><br>Obsega delež snovi v izdelku do 100 %.                                                                                      |                                           |
| <i>Uporabljena količina, pogostost in trajanje uporabe/izpostavljenost</i>                                                                                                |                                           |

**Trajanje:**

Obsega dnevno izpostavljenost do 8 ure

***Tehnični in organizacijski pogoji in ukrepi*****Tehnični in organizacijski ukrepi**

izvajajte v prezračevani kabini z laminarnim pretokom zraka.

***Pogoji in ukrepi glede na osebno zaščito, higieno in preverjanje zdravstvenega stanja*****Osebna zaščitna oprema**

Nosite primerne rokavice, preizkušene po EN374.

***Drugi pogoji uporabe, ki vplivajo na izpostavljenost delojemalcev***

Gospodarska uporaba

**Temperatura:** Predpostavljena je uporaba pri temperaturah ki ne presegajo temperaturo okolice za več kot 20 °C.**1.3 Ocena izpostavljenosti in sklicevanje na njen vir****1.3. CS1: Scenarij, ki prispeva Okolje (ERC8a, ERC8d)**

| cilj zaščite         | Stopnja izpostavljenosti  | Metoda izračuna | Stopnja opredelitve tveganja (RCR) |
|----------------------|---------------------------|-----------------|------------------------------------|
| sladka voda          | = 0.0015 mg/L             | N/A             | = 0.005                            |
| morska voda          | = 0.000145 mg/L           | N/A             | < 0.001                            |
| sladkovodne usedline | = 0.016 mg/kg mokra teža  | N/A             | = 0.006                            |
| morske usedline      | = 0.0156 mg/kg mokra teža | N/A             | < 0.001                            |
| tla                  | = 0.0117 mg/kg mokra teža | N/A             | = 0.006                            |
| Čistilnih napravah   | = 0.00866 mg/L            | N/A             | = 0.001                            |

**1.3. CS2: Scenarij, ki prispeva Delojemalec: Prenosi materiala (PROC8a)**

| Pot izpostavljenosti, Učinki na zdravje, Indikatorji izpostavljenosti | Stopnja izpostavljenosti | Metoda izračuna | Stopnja opredelitve tveganja (RCR) |
|-----------------------------------------------------------------------|--------------------------|-----------------|------------------------------------|
| inhalacijski, sistemsko, dolgoročno                                   | = 14 ppm                 | N/A             | = 0.79                             |
| stik s kožo, sistemsko, dolgoročno                                    | = 13.71 mg/kg bw/dan     | N/A             | = 0.08                             |
| kombinirane poti                                                      | N/A                      | N/A             | = 0.87                             |

**1.3. CS3: Scenarij, ki prispeva Delojemalec: Nanašanje z valjem in čopičem (PROC10)**

| Pot izpostavljenosti, Učinki na zdravje, Indikatorji izpostavljenosti | Stopnja izpostavljenosti | Metoda izračuna | Stopnja opredelitve tveganja (RCR) |
|-----------------------------------------------------------------------|--------------------------|-----------------|------------------------------------|
| inhalacijski, sistemsko, dolgoročno                                   | = 3 ppm                  | N/A             | = 0.17                             |
| stik s kožo, sistemsko, dolgoročno                                    | = 27.43 mg/kg bw/dan     | N/A             | = 0.15                             |
| kombinirane poti                                                      | N/A                      | N/A             | = 0.32                             |

**1.3. CS4: Scenarij, ki prispeva Delojemalec: Nanašanje z valjem, pršenjem in polivanjem (PROC11)**

| Pot izpostavljenosti, Učinki na zdravje, Indikatorji izpostavljenosti | Stopnja izpostavljenosti | Metoda izračuna | Stopnja opredelitve tveganja (RCR) |
|-----------------------------------------------------------------------|--------------------------|-----------------|------------------------------------|
| inhalacijski, sistemsko, dolgoročno                                   | = 5 ppm                  | N/A             | = 0.28                             |
| stik s kožo, sistemsko, dolgoročno                                    | = 13.71 mg/kg bw/dan     | N/A             | = 0.08                             |
| kombinirane poti                                                      | N/A                      | N/A             | = 0.29                             |

## 1.4 Smernica za uporabnika, za ugotavljanje, ali dela znotraj omejitev scenarija izpostavitve

### Vodilo za preverjanje skladnosti s scenarijem izpostavljenosti:

Če so bili sprejeti dodatni ukrepi za upravljanje s tveganji/pogoji za uporabo, morajo uporabniki zagotoviti vsaj enakovredno raven upravljanja s tveganji.