

# SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended



## S6300 THINNER for epoxy coatings

|               |                   |         |     |
|---------------|-------------------|---------|-----|
| Creation date | 31st October 2016 | Version | 4.0 |
| Revision date | 14th August 2025  |         |     |

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

- 1.1. Product identifier**  
Substance / mixture S6300 THINNER for epoxy coatings  
Number mixture  
UFI S6300-A-C0000  
6VFT-AYUW-4004-X6QG
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
**Mixture's intended use**  
THINNER S6300 is intended for thinning epoxy coatings.  
**Main intended use**  
PC-PNT-7 Paint removers, thinners and related auxiliaries  
**Mixture uses advised against**  
The product should not be used in ways other than those referred in Section 1.  
Exposure scenario is attached to the Safety Data Sheet.
- 1.3. Details of the supplier of the safety data sheet**  
**Manufacturer**  
Name or trade name COLORLAK, a.s.  
Address Tovární 1076, Staré Město, 686 03  
Czech Republic  
Identification number (CRN) 49444964  
VAT number CZ49444964  
Phone +420 572527111  
Email colorlak@colorlak.cz  
Web address www.colorlak.cz  
**Competent person responsible for the safety data sheet**  
Name Ing. Gabriela Kubíková  
Email kubikova@colorlak.cz
- 1.4. Emergency telephone number**  
European emergency number: 112

### SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**  
**Classification of the mixture in accordance with Regulation (EC) No 1272/2008**

The mixture is classified as dangerous.

Flam. Liq. 3, H226  
Asp. Tox. 1, H304  
Skin Irrit. 2, H315  
Eye Dam. 1, H318  
STOT SE 3, H335, H336  
STOT RE 2, H373 (central nervous system)  
Aquatic Chronic 3, H412

#### Most serious adverse physico-chemical effects

Flammable liquid and vapour.

#### Most serious adverse effects on human health and the environment

May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to the central nervous system through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.

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### 2.2. Label elements

#### Hazard pictogram



#### Signal word

Danger

#### Hazardous substances

2-methylpropan-1-ol

Technical xylene (mixed with ethylbenzene)

#### Hazard statements

|      |                                                                                        |
|------|----------------------------------------------------------------------------------------|
| H226 | Flammable liquid and vapour.                                                           |
| H304 | May be fatal if swallowed and enters airways.                                          |
| H315 | Causes skin irritation.                                                                |
| H318 | Causes serious eye damage.                                                             |
| H335 | May cause respiratory irritation.                                                      |
| H336 | May cause drowsiness or dizziness.                                                     |
| H373 | May cause damage to the central nervous system through prolonged or repeated exposure. |
| H412 | Harmful to aquatic life with long lasting effects.                                     |

#### Precautionary statements

|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| P101           | If medical advice is needed, have product container or label at hand.                                                            |
| P102           | Keep out of reach of children.                                                                                                   |
| P103           | Read label before use.                                                                                                           |
| P210           | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.                                   |
| P260           | Do not breathe vapours/spray.                                                                                                    |
| P271           | Use only outdoors or in a well-ventilated area.                                                                                  |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.                                                       |
| P301+P310      | IF SWALLOWED: Immediately call a POISON CENTER/doctor.                                                                           |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing.                                                       |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P314           | Get medical advice/attention if you feel unwell.                                                                                 |
| P331           | Do NOT induce vomiting.                                                                                                          |
| P370+P378      | In case of fire: Use foam (alcohol resistant), carbon dioxide, a spray mist, powder to extinguish.                               |
| P403+P235      | Store in a well-ventilated place. Keep cool.                                                                                     |
| P405           | Store locked up.                                                                                                                 |
| P501           | Dispose of contents/container to by handing over to a person authorized to dispose of waste or a site designated by the town.    |

#### Supplemental information

EUH066 Repeated exposure may cause skin dryness or cracking.

#### Requirements for child-resistant fastenings and tactile warning of danger

Container must carry a tactile warning of danger. Container must be fitted with child-resistant fastening.

### 2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Does not contain any PMT or vPvM components.

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### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

THINNER S6300 is a mixture of esters, aromatic hydrocarbons, glycol ethers and lower alcohols. Mixture of substances and additives specified below.

**Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment**

| Identification numbers                                                                            | Substance name                             | Content in % weight | Classification according to Regulation (EC) No 1272/2008                                                                                                                                                                                     | Note |
|---------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| Index: 603-108-00-1<br>CAS: 78-83-1<br>EC: 201-148-0<br>Registration number:<br>01-2119484609-23  | 2-methylpropan-1-ol                        | 35-40               | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>STOT SE 3, H335, H336                                                                                                                                                       |      |
| EC: 905-588-0<br>Registration number:<br>01-2119539452-40                                         | Technical xylene (mixed with ethylbenzene) | 35-40               | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>Acute Tox. 4, H312+H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>STOT RE 2, H373<br>Specific concentration limit:<br>STOT RE 2, H373 (central nervous system): C > 10 % | 1, 2 |
| Index: 607-025-00-1<br>CAS: 123-86-4<br>EC: 204-658-1<br>Registration number:<br>01-2119485493-29 | n-butyl acetate                            | 10-20               | Flam. Liq. 3, H226<br>STOT SE 3, H336<br>EUH066                                                                                                                                                                                              | 1    |
| Index: 603-064-00-3<br>CAS: 107-98-2<br>EC: 203-539-1<br>Registration number:<br>01-2119457435-35 | 1-methoxy-2-propanol                       | 1-4                 | Flam. Liq. 3, H226<br>STOT SE 3, H336                                                                                                                                                                                                        | 1    |
| Index: 603-004-00-6<br>CAS: 71-36-3<br>EC: 200-751-6<br>Registration number:<br>01-2119484630-38  | butan-1-ol                                 | ≤0.04               | Flam. Liq. 3, H226<br>Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>STOT SE 3, H335, H336                                                                                                                                 |      |
| Index: 603-117-00-0<br>CAS: 67-63-0<br>EC: 200-661-7<br>Registration number:<br>01-2119457558-25  | propan-2-ol                                | ≤0.02               | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>EUH019                                                                                                                                                                        |      |

#### Notes

1 A substance for which exposure limits are set.

2 Substance of unknown or variable composition, complex reaction products or biological materials - UVCB.

Full text of all classifications and hazard statements is given in the section 16.

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

Do not perform artificial respiration without self-protection (e.g. a mask). Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

##### **If inhaled**

Terminate the exposure immediately; move the affected person to fresh air. Take care of your own safety, do not let the affected person walk! Beware of the contaminated clothes. Depending on the situation, call the medical rescue service and ensure medical treatment considering the frequent need of further observation for at least 24 hours.

##### **If on skin**

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists. Rinse skin with water or shower.

##### **If in eyes**

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible. Everyone must be referred for treatment even if affected only a little.

##### **If swallowed**

If the affected person vomits, make sure to prevent inhalation of the vomit (as there is a danger of lung damage after inhalation of these liquids in the airways also in infinitesimal amount). Provide medical treatment considering the frequent need of further observation for at least 24 hours. Bring an original container with the label and the Safety Data Sheet of the given substance as appropriate.

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

##### **If inhaled**

Inhaling vapours can cause corrosion of the breathing system. Cough, headache. May cause respiratory irritation. May cause drowsiness or dizziness.

##### **If on skin**

Causes skin irritation.

##### **If in eyes**

Causes serious eye damage.

##### **If swallowed**

Corrosion of the digestion system can occur.

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

Symptomatic treatment.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### **Suitable extinguishing media**

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

##### **Unsuitable extinguishing media**

Water - full jet.

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

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

#### 5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

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### SECTION 6: Accidental release measures

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

Provide sufficient ventilation. Flammable liquid and vapour. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes.

#### 6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

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

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

#### 6.4. Reference to other sections

See the Section 7, 8 and 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. Use non-sparking tools. Use of antistatic clothes and footwear is recommended. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes. No smoking. Wash hands and exposed parts of the body thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Take action to prevent static discharges. Avoid release to the environment.

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

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Do not expose to sunlight. Store locked up. Keep container tightly closed. Keep cool.

| Content | Packaging type | Material of package |
|---------|----------------|---------------------|
| 0,7 l   | can / tin      | FE                  |
| 4 l     | jerry can      | FE                  |
| 9 l     | jerry can      | FE                  |
| 170 l   | barrel / drum  | FE                  |

Storage class 3A - Flammable liquids (flash point below 55 °C)

Storage temperature +5 až +25 °C

#### The specific requirements or rules relating to the substance/mixture

Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive mixture with the air.

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

not available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

#### European Union

#### Commission Directive (EU) 2019/1831

| Substance name (component)      | Type           | Value                 |
|---------------------------------|----------------|-----------------------|
| n-butyl acetate (CAS: 123-86-4) | OEL 8 hours    | 241 mg/m <sup>3</sup> |
|                                 | OEL 8 hours    | 50 ppm                |
|                                 | OEL 15 minutes | 723 mg/m <sup>3</sup> |
|                                 | OEL 15 minutes | 150 ppm               |

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### European Union

### Commission Directive 2000/39/EC

| Substance name (component)           | Type           | Value                 |
|--------------------------------------|----------------|-----------------------|
| 1-methoxy-2-propanol (CAS: 107-98-2) | OEL 8 hours    | 375 mg/m <sup>3</sup> |
|                                      | OEL 8 hours    | 100 ppm               |
|                                      | OEL 15 minutes | 568 mg/m <sup>3</sup> |
|                                      | OEL 15 minutes | 150 ppm               |

Notes

Skin.

### European Union

### Commission Directive 91/322/EEC

| Substance name (component)                 | Type           | Value                 |
|--------------------------------------------|----------------|-----------------------|
| Technical xylene (mixed with ethylbenzene) | OEL 8 hours    | 442 mg/m <sup>3</sup> |
|                                            | OEL 8 hours    | 100 ppm               |
|                                            | OEL 15 minutes | 884 mg/m <sup>3</sup> |
|                                            | OEL 15 minutes | 200 ppm               |
|                                            | OEL 8 hours    | 221 mg/m <sup>3</sup> |
|                                            | OEL 8 hours    | 50 ppm                |
|                                            | OEL 15 minutes | 442 mg/m <sup>3</sup> |
|                                            | OEL 15 minutes | 100 ppm               |

### DNEL

| 1-methoxy-2-propanol |                   |                         |                          |               |
|----------------------|-------------------|-------------------------|--------------------------|---------------|
| Workers / consumers  | Route of exposure | Value                   | Effect                   | Source        |
| Workers              | Inhalation        | 553.5 mg/m <sup>3</sup> | Acute effects systemic   | BL dodavatele |
| Workers              | Inhalation        | 553.5 mg/m <sup>3</sup> | Acute effects local      | BL dodavatele |
| Workers              | Dermal            | 183 mg/kg bw/day        | Chronic effects systemic | BL dodavatele |
| Workers              | Inhalation        | 369 mg/m <sup>3</sup>   | Chronic effects systemic | BL dodavatele |
| Consumers            | Dermal            | 78 mg/kg bw/day         | Chronic effects systemic | BL dodavatele |
| Consumers            | Inhalation        | 43.9 mg/m <sup>3</sup>  | Chronic effects systemic | BL dodavatele |
| Consumers            | Oral              | 33 mg/kg bw/day         | Chronic effects systemic | BL dodavatele |

| 2-methylpropan-1-ol |                   |                       |                       |               |
|---------------------|-------------------|-----------------------|-----------------------|---------------|
| Workers / consumers | Route of exposure | Value                 | Effect                | Source        |
| Workers             | Inhalation        | 310 mg/m <sup>3</sup> | Chronic effects local | BL dodavatele |
| Consumers           | Inhalation        | 55 mg/m <sup>3</sup>  | Chronic effects local | BL dodavatele |

| butan-1-ol          |                   |                       |                          |        |
|---------------------|-------------------|-----------------------|--------------------------|--------|
| Workers / consumers | Route of exposure | Value                 | Effect                   | Source |
| Workers             | Inhalation        | 310 mg/m <sup>3</sup> | Chronic effects local    | echa   |
| Consumers           | Oral              | 3.125 mg/kg bw/day    | Chronic effects systemic | echa   |
| Consumers           | Inhalation        | 55 mg/m <sup>3</sup>  | Acute effects local      | echa   |

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### n-butyl acetate

| Workers / consumers | Route of exposure | Value                  | Effect                   | Source        |
|---------------------|-------------------|------------------------|--------------------------|---------------|
| Workers             | Inhalation        | 300 mg/m <sup>3</sup>  | Chronic effects systemic | BL dodavatele |
| Workers             | Inhalation        | 600 mg/m <sup>3</sup>  | Acute effects systemic   | BL dodavatele |
| Workers             | Inhalation        | 300 mg/m <sup>3</sup>  | Chronic effects local    | BL dodavatele |
| Workers             | Inhalation        | 600 mg/m <sup>3</sup>  | Acute effects local      | BL dodavatele |
| Workers             | Dermal            | 100 mg/kg bw/day       | Chronic effects systemic | BL dodavatele |
| Workers             | Dermal            | 11 mg/kg bw/day        | Acute effects systemic   | BL dodavatele |
| Consumers           | Inhalation        | 35.7 mg/m <sup>3</sup> | Chronic effects systemic | BL dodavatele |
| Consumers           | Inhalation        | 300 mg/m <sup>3</sup>  | Acute effects systemic   | BL dodavatele |
| Consumers           | Inhalation        | 35.7 mg/m <sup>3</sup> | Chronic effects local    | BL dodavatele |
| Consumers           | Inhalation        | 300 mg/m <sup>3</sup>  | Acute effects local      | BL dodavatele |
| Consumers           | Dermal            | 6 mg/kg bw/day         | Chronic effects systemic | BL dodavatele |
| Consumers           | Dermal            | 6 mg/kg bw/day         | Acute effects systemic   | BL dodavatele |
| Consumers           | Dermal            | 2 mg/kg bw/day         | Chronic effects systemic | BL dodavatele |
| Consumers           | Dermal            | 2 mg/kg bw/day         | Acute effects systemic   | BL dodavatele |

### propan-2-ol

| Workers / consumers | Route of exposure | Value                       | Effect                   | Source                       |
|---------------------|-------------------|-----------------------------|--------------------------|------------------------------|
| Workers             | Inhalation        | 500 mg/m <sup>3</sup>       | Chronic effects systemic | bezpečnostní list dodavatele |
| Workers             | Dermal            | 888 mg/kg bw/day            | Chronic effects systemic | bezpečnostní list dodavatele |
| Consumers           | Inhalation        | 89 mg/m <sup>3</sup> of air | Chronic effects systemic | bezpečnostní list dodavatele |
| Consumers           | Oral              | 26 mg/kg bw/day             | Chronic effects systemic |                              |
| Consumers           | Dermal            | 319 mg/kg bw/day            | Chronic effects systemic |                              |

### Technical xylene (mixed with ethylbenzene)

| Workers / consumers | Route of exposure | Value                  | Effect                   | Source        |
|---------------------|-------------------|------------------------|--------------------------|---------------|
| Workers             | Inhalation        | 221 mg/m <sup>3</sup>  | Chronic effects systemic | BL dodavatele |
| Workers             | Inhalation        | 221 mg/m <sup>3</sup>  | Chronic effects local    | BL dodavatele |
| Workers             | Dermal            | 212 mg/kg bw/day       | Chronic effects systemic | BL dodavatele |
| Consumers           | Inhalation        | 65.3 mg/m <sup>3</sup> | Chronic effects systemic | BL dodavatele |
| Consumers           | Inhalation        | 65.3 mg/m <sup>3</sup> | Chronic effects local    | BL dodavatele |
| Consumers           | Dermal            | 125 mg/kg bw/day       | Chronic effects systemic | BL dodavatele |
| Consumers           | Oral              | 12.5 mg/kg bw/day      | Chronic effects systemic | BL dodavatele |

### PNEC

#### 1-methoxy-2-propanol

| Route of exposure                  | Value                                   | Source        |
|------------------------------------|-----------------------------------------|---------------|
| Freshwater environment             | 10 mg/l                                 | BL dodavatele |
| Marine water                       | 1 mg/l                                  | BL dodavatele |
| Water (intermittent release)       | 100 mg/l                                | BL dodavatele |
| Microorganisms in sewage treatment | 100 mg/l                                | BL dodavatele |
| Freshwater sediment                | 52.3 mg/kg of dry substance of sediment | BL dodavatele |
| Sea sediments                      | 5.2 mg/kg of dry substance of sediment  | BL dodavatele |

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### 1-methoxy-2-propanol

| Route of exposure   | Value                               | Source        |
|---------------------|-------------------------------------|---------------|
| Soil (agricultural) | 4.59 mg/kg of dry substance of soil | BL dodavatele |

### 2-methylpropan-1-ol

| Route of exposure                  | Value                                    | Source        |
|------------------------------------|------------------------------------------|---------------|
| Freshwater environment             | 0.4 mg/l                                 | BL dodavatele |
| Marine water                       | 0.04 mg/l                                | BL dodavatele |
| Water (intermittent release)       | 11 mg/l                                  | BL dodavatele |
| Microorganisms in sewage treatment | 10 mg/l                                  | BL dodavatele |
| Freshwater sediment                | 1.52 mg/kg of dry substance of sediment  | BL dodavatele |
| Sea sediments                      | 0.152 mg/kg of dry substance of sediment | BL dodavatele |
| Soil (agricultural)                | 0.0699 mg/kg of dry substance of soil    | BL dodavatele |

### butan-1-ol

| Route of exposure                  | Value                                    | Source |
|------------------------------------|------------------------------------------|--------|
| Freshwater environment             | 82 µg/l                                  | echa   |
| Marine water                       | 8.2 µg/l                                 | echa   |
| Water (intermittent release)       | 2.25 mg/l                                | echa   |
| Microorganisms in sewage treatment | 2.476 g/l                                | echa   |
| Freshwater sediment                | 0.178 mg/kg of dry substance of sediment | echa   |
| Sea sediments                      | 17.8 µg/kg                               | echa   |
| Soil (agricultural)                | 15 µg/kg                                 | echa   |

### n-butyl acetate

| Route of exposure      | Value                                     | Source        |
|------------------------|-------------------------------------------|---------------|
| Freshwater environment | 0.18 mg/l                                 | BL dodavatele |
| Marine water           | 0.018 mg/l                                | BL dodavatele |
| Freshwater sediment    | 0.981 mg/kg of dry substance of sediment  | BL dodavatele |
| Sea sediments          | 0.0981 mg/kg of dry substance of sediment | BL dodavatele |
| Soil (agricultural)    | 0.0903 mg/kg of dry substance of soil     | BL dodavatele |

### propan-2-ol

| Route of exposure                  | Value      | Source |
|------------------------------------|------------|--------|
| Microorganisms in sewage treatment | 2251 mg/l  |        |
| Freshwater sediment                | 552 mg/kg  |        |
| Sea sediments                      | 552 mg/kg  |        |
| Soil (agricultural)                | 25 mg/kg   |        |
| Freshwater environment             | 140.9 mg/l |        |
| Marine water                       | 140.9 mg/l |        |
| Water (intermittent release)       | 140.9 mg/l |        |
| Food chain                         | 160 mg/kg  |        |

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| Technical xylene (mixed with ethylbenzene) |                                          |               |
|--------------------------------------------|------------------------------------------|---------------|
| Route of exposure                          | Value                                    | Source        |
| Freshwater environment                     | 0.327 mg/l                               | BL dodavatele |
| Water (intermittent release)               | 0.327 mg/l                               | BL dodavatele |
| Freshwater sediment                        | 12.46 mg/kg of dry substance of sediment | BL dodavatele |
| Marine water                               | 0.327 mg/l                               | BL dodavatele |
| Sea sediments                              | 12.46 mg/kg of dry substance of sediment | BL dodavatele |
| Microorganisms in sewage treatment         | 6.58 mg/l                                | BL dodavatele |
| Soil (agricultural)                        | 2.31 mg/kg of dry substance of soil      | BL dodavatele |

### 8.2. Exposure controls

Take off contaminated clothing and wash before reuse. Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

#### Eye/face protection



Protective goggles or face shield (based on the nature of the work performed).

#### Skin protection



Hand protection: Protective gloves resistant to the product (EN 374). Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Suitable protective glove materials EN 374: Polychloroprene-CR: thickness: > 0.5 mm, breakthrough time >480 min; Nitrile rubber - NRB: thickness: > 0.35 mm, breakthrough time >480 min; Butyl rubber -IIR: thickness: > 0.5 mm, breakthrough time >480 min; Fluorocarbon rubber - FKM: thickness: > 0.4 mm, breakthrough time >480 min. The suitability for the respective workplace should be discussed with the protective glove manufacturer. After contamination with the product, change gloves immediately and dispose of contaminated gloves professionally. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly. When selecting gloves, consider the properties of the product and the duration of exposure. Replace gloves at the first signs of wear or damage. Other protection: Protective antistatic clothing made of natural fibres (cotton) or synthetic fibres resistant to elevated temperatures. Antistatic footwear.

#### Respiratory protection



Mask with a filter against organic vapours in a poorly ventilated environment.

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### Thermal hazard

Not available.

### Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

### More information

Exposure scenario is attached to the Safety Data Sheet.

## SECTION 9: Physical and chemical properties

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

|                                                          |                                                 |
|----------------------------------------------------------|-------------------------------------------------|
| Physical state                                           | liquid                                          |
| Colour                                                   | colourless, clear, colorless liquid             |
| Odour                                                    | after organic solvents                          |
| Melting point/freezing point                             | data not available                              |
| 1-methoxy-2-propanol (CAS: 107-98-2)                     | -96 °C (BL dodavatele)                          |
| 2-methylpropan-1-ol (CAS: 78-83-1)                       | <-90 °C (BL dodavatele)                         |
| butan-1-ol (CAS: 71-36-3)                                | -90 °C (BL dodavatele)                          |
| n-butyl acetate (CAS: 123-86-4)                          | -78 °C (BL dodavatele)                          |
| Technical xylene (mixed with ethylbenzene)               | -94.96-13.2 °C (BL dodavatele)                  |
| Boiling point or initial boiling point and boiling range | ≤60 °C (estimate)                               |
| 1-methoxy-2-propanol (CAS: 107-98-2)                     | 120.15 °C (BL dodavatele)                       |
| 2-methylpropan-1-ol (CAS: 78-83-1)                       | 108 °C (BL dodavatele)                          |
| butan-1-ol (CAS: 71-36-3)                                | 119 °C (BL dodavatele)                          |
| n-butyl acetate (CAS: 123-86-4)                          | 124-126.5 °C (BL dodavatele)                    |
| propan-2-ol (CAS: 67-63-0)                               | 82-83 °C (BL dodavatele)                        |
| Technical xylene (mixed with ethylbenzene)               | 136.2-144.5 °C (BL dodavatele)                  |
| Flammability                                             | Flammable liquid of risk class II (ČSN 65 0201) |
| n-butyl acetate (CAS: 123-86-4)                          | inflammable (odvozeno od bodu vzplanutí)        |
| Technical xylene (mixed with ethylbenzene)               | inflammable (BL dodavatele)                     |
| Lower and upper explosion limit                          |                                                 |
| bottom                                                   | 0.8 % (for technical xylene)                    |
| 1-methoxy-2-propanol (CAS: 107-98-2)                     | 1.48 % (BL dodavatele)                          |
| 2-methylpropan-1-ol (CAS: 78-83-1)                       | 1.7 % (BL dodavatele)                           |
| butan-1-ol (CAS: 71-36-3)                                | 1.4 % (BL dodavatele)                           |
| n-butyl acetate (CAS: 123-86-4)                          | 1.2 % (literatura)                              |
| propan-2-ol (CAS: 67-63-0)                               | 2 % (BL dodavatele)                             |
| Technical xylene (mixed with ethylbenzene)               | 0.8 % (BL dodavatele)                           |
| upper                                                    | 13.74 % (for 1-Methoxypropan-2-ol)              |
| 1-methoxy-2-propanol (CAS: 107-98-2)                     | 13.7 % (BL dodavatele)                          |
| 2-methylpropan-1-ol (CAS: 78-83-1)                       | 10.9 % (BL dodavatele)                          |
| butan-1-ol (CAS: 71-36-3)                                | 11.3 % (BL dodavatele)                          |
| n-butyl acetate (CAS: 123-86-4)                          | 7.6 % (literatura)                              |
| propan-2-ol (CAS: 67-63-0)                               | 12 % (BL dodavatele)                            |
| Technical xylene (mixed with ethylbenzene)               | 7 % (BL dodavatele)                             |
| Flash point                                              | 25 °C (PND 65 6065)                             |
| 2-methylpropan-1-ol (CAS: 78-83-1)                       | 31 °C (BL dodavatele)                           |
| butan-1-ol (CAS: 71-36-3)                                | 35 °C (BL dodavatele)                           |
| n-butyl acetate (CAS: 123-86-4)                          | 27 °C (BL dodavatele)                           |
| propan-2-ol (CAS: 67-63-0)                               | 13 °C (BL dodavatele)                           |
| Technical xylene (mixed with ethylbenzene)               | 18-32 °C (BL dodavatele)                        |
| Auto-ignition temperature                                | data not available                              |
| 1-methoxy-2-propanol (CAS: 107-98-2)                     | 287 °C (BL dodavatele)                          |
| 2-methylpropan-1-ol (CAS: 78-83-1)                       | 400 °C (BL dodavatele)                          |
| butan-1-ol (CAS: 71-36-3)                                | 355 °C (BL dodavatele)                          |
| n-butyl acetate (CAS: 123-86-4)                          | 415 °C (BL dodavatele)                          |
| propan-2-ol (CAS: 67-63-0)                               | 425 °C (BL dodavatele)                          |

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|                                                   |                                                                                                  |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Technical xylene (mixed with ethylbenzene)        | 432-528 °C (BL dodavatele)                                                                       |
| Decomposition temperature                         | data not available                                                                               |
| pH                                                | non-soluble (in water)                                                                           |
| 2-methylpropan-1-ol (CAS: 78-83-1)                | 7 (undiluted at 20 °C) (BL dodavatele)                                                           |
| Kinematic viscosity                               | <20.5 mm <sup>2</sup> /s at 40 °C                                                                |
|                                                   | data not available                                                                               |
| 1-methoxy-2-propanol (CAS: 107-98-2)              | 1.86 mm <sup>2</sup> /s at 25 °C (BL dodavatele)                                                 |
| n-butyl acetate (CAS: 123-86-4)                   | 0.83 mm <sup>2</sup> /s at 20 °C (BL dodavatele)                                                 |
| Solubility in water                               | not miscible                                                                                     |
| 2-methylpropan-1-ol (CAS: 78-83-1)                | 70 g/l (20 °C) (BL dodavatele)                                                                   |
| butan-1-ol (CAS: 71-36-3)                         | 75 g/l při 20 °C (BL dodavatele)                                                                 |
| n-butyl acetate (CAS: 123-86-4)                   | 5.3 g/l při 20 °C (pH 6) (BL dodavatele)                                                         |
| propan-2-ol (CAS: 67-63-0)                        | miscible (BL dodavatele)                                                                         |
| Technical xylene (mixed with ethylbenzene)        | 146-190.7 mg/l při 25 °C (BL dodavatele)                                                         |
| Partition coefficient n-octanol/water (log value) | LogPow 0.05 to 3.2 (range of substances contained)                                               |
| 2-methylpropan-1-ol (CAS: 78-83-1)                | 1 (BL dodavatele)                                                                                |
| butan-1-ol (CAS: 71-36-3)                         | 0.88 (BL dodavatele)                                                                             |
| Technical xylene (mixed with ethylbenzene)        | 3.12-3.2 (BL dodavatele)                                                                         |
| Vapour pressure                                   | 6.5 hPa to 42 hPa at 20 °C (range of substances contained)                                       |
|                                                   | 16 hPa at 20 °C (BL dodavatele)                                                                  |
| 2-methylpropan-1-ol (CAS: 78-83-1)                | 10 hPa at 20 °C (BL dodavatele)                                                                  |
| butan-1-ol (CAS: 71-36-3)                         | 12-21 at 20 °C (literatura)                                                                      |
| n-butyl acetate (CAS: 123-86-4)                   | 42 hPa at 20 °C (BL dodavatele)                                                                  |
| propan-2-ol (CAS: 67-63-0)                        | 6.50-9.44 hPa at 20 °C (BL dodavatele)                                                           |
| Technical xylene (mixed with ethylbenzene)        |                                                                                                  |
| Density and/or relative density                   |                                                                                                  |
| Density                                           | 0.846-0.865 g/cm <sup>3</sup> at 20 °C (manufacturer's methodology B5/TD1-5 (ČSN EN ISO 2811-2)) |
| 1-methoxy-2-propanol (CAS: 107-98-2)              | 0.919 g/cm <sup>3</sup> at 25 °C (BL dodavatele)                                                 |
| 2-methylpropan-1-ol (CAS: 78-83-1)                | 0.8017 g/cm <sup>3</sup> at 20 °C (BL dodavatele)                                                |
| butan-1-ol (CAS: 71-36-3)                         | 0.81 g/cm <sup>3</sup> at 20 °C (BL dodavatele)                                                  |
| n-butyl acetate (CAS: 123-86-4)                   | 0.8812 g/cm <sup>3</sup> at 20 °C (BL dodavatele)                                                |
| propan-2-ol (CAS: 67-63-0)                        | 0.784-0.789 g/cm <sup>3</sup> (BL dodavatele)                                                    |
| Technical xylene (mixed with ethylbenzene)        | 0.862-0.88 g/cm <sup>3</sup> at 25 °C (BL dodavatele)                                            |
| Relative vapour density                           | data not available                                                                               |
| Particle characteristics                          | data not available                                                                               |
| Form                                              | liquid: volatile, clear, colorless liquid without foreign impurities                             |

Volatile organic compound (VOC) content in the product: product category and subcategory - not classified.

### 9.2. Other information

|                                                                                                                              |                            |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| Combustion temperature                                                                                                       | 33 °C (PND 65 6212)        |
| Ignition temperature                                                                                                         | 365 °C (PND 33 0371)       |
| Vapour density                                                                                                               | > 1 (air = 1)              |
| Molar mass                                                                                                                   | data not available         |
| 1-methoxy-2-propanol (CAS: 107-98-2)                                                                                         | 90.1 g/mol (BL dodavatele) |
| Content of organic solvents (VOC)                                                                                            | 1.00 kg/kg (calculation)   |
| Total organic carbon (TOC)                                                                                                   | 0.762 kg/kg (calculation)  |
| Solid content (dry matter)                                                                                                   | 0 % volume (calculation)   |
| Max. VOC content in the product in its ready to use condition                                                                | 856 g/l (calculation)      |
| Calorific value: 32.59 MJ/kg (PND 65 6169); Combustion heat: 34.91 MJ/kg (PND 65 6169); Temperature class: T2 (PND 33 0371). |                            |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The mixture is flammable.

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### 10.2. Chemical stability

The product is stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Unknown.

### 10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

### 10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

### 10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

## SECTION 11: Toxicological information

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

Hazardous substances in concentrations exceeding exposure limits may cause acute inhalation poisoning, depending on the concentration and duration of exposure. No toxicological data is available for the mixture.

#### Acute toxicity

Based on the available data, the criteria for classification of the mixture are not met.

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|----------------------------------|-----------|--------|---------------|---------------|---------|-----|----------------------|--------|
| Route of exposure                | Parameter | Method | Value         | Exposure time | Species | Sex | Value determination  | Source |
| Oral                             | ATE       |        | 1250000 mg/kg |               |         |     | Calculation of value |        |
| Dermal                           | ATE       |        | 2895 mg/kg    |               |         |     | Calculation of value |        |
| Inhalation (vapor)               | ATE       |        | 28.95 mg/l    |               |         |     | Calculation of value |        |

| 1-methoxy-2-propanol |                  |        |             |               |         |     |                     |                |
|----------------------|------------------|--------|-------------|---------------|---------|-----|---------------------|----------------|
| Route of exposure    | Parameter        | Method | Value       | Exposure time | Species | Sex | Value determination | Source         |
| Oral                 | LD <sub>50</sub> |        | 4016 mg/kg  |               | Rat     |     |                     | BL dodavat ele |
| Dermal               | LD <sub>50</sub> |        | >2000 mg/kg |               | Rabbit  |     |                     | BL dodavat ele |
| Inhalation (vapor)   | LC <sub>50</sub> |        | >25.8 mg/l  | 6 hours       | Rat     |     |                     | BL dodavat ele |

| 2-methylpropan-1-ol |                  |          |                    |               |                         |     |                     |                |
|---------------------|------------------|----------|--------------------|---------------|-------------------------|-----|---------------------|----------------|
| Route of exposure   | Parameter        | Method   | Value              | Exposure time | Species                 | Sex | Value determination | Source         |
| Oral                | LD <sub>50</sub> | OECD 401 | >2000 mg/kg        |               | Rat (Rattus norvegicus) |     |                     | BL dodavat ele |
| Inhalation (vapor)  | LC <sub>50</sub> |          | >18.18 mg/l of air | 14 days       | Rat (Rattus norvegicus) |     |                     | BL dodavat ele |
| Dermal              | LD <sub>50</sub> | OECD 402 | >2000 mg/kg        |               | Rabbit                  |     |                     | BL dodavat ele |

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| butan-1-ol        |                  |        |                   |               |         |     |                     |        |
|-------------------|------------------|--------|-------------------|---------------|---------|-----|---------------------|--------|
| Route of exposure | Parameter        | Method | Value             | Exposure time | Species | Sex | Value determination | Source |
| Oral              | LD <sub>50</sub> |        | 2292 mg/kg bw     |               | Rat     |     |                     | echa   |
| Inhalation        | LC <sub>0</sub>  |        | 17.76 mg/l of air | 4 hours       | Rat     |     |                     | echa   |
| Dermal            | LD <sub>50</sub> |        | 3430 mg/kg bw     |               | Rabbit  |     |                     | echa   |

| n-butyl acetate   |                  |                  |                |               |                         |     |                     |               |
|-------------------|------------------|------------------|----------------|---------------|-------------------------|-----|---------------------|---------------|
| Route of exposure | Parameter        | Method           | Value          | Exposure time | Species                 | Sex | Value determination | Source        |
| Oral              | LD <sub>50</sub> | OECD 423         | 10726 mg/kg bw |               | Rat (Rattus norvegicus) |     |                     | BL dodavatele |
| Dermal            | LD <sub>50</sub> | OECD 402         | 14112 mg/kg bw |               | Rabbit                  |     |                     | BL dodavatele |
| Inhalation        | NOAEC            | EPA OTS 798.2450 | 550 ppm        | 13 weeks      | Rat (Rattus norvegicus) |     |                     | BL dodavatele |

| propan-2-ol        |                  |        |             |               |         |     |                     |        |
|--------------------|------------------|--------|-------------|---------------|---------|-----|---------------------|--------|
| Route of exposure  | Parameter        | Method | Value       | Exposure time | Species | Sex | Value determination | Source |
| Oral               | LD <sub>50</sub> |        | >2000 mg/kg |               | Rat     |     |                     |        |
| Dermal             | LD <sub>50</sub> |        | >2000 mg/kg |               | Rabbit  |     |                     |        |
| Inhalation (vapor) | LC <sub>50</sub> |        | >10000 ppm  | 6 hours       | Rat     |     |                     |        |

| Technical xylene (mixed with ethylbenzene) |                  |        |                |               |                         |     |                     |               |
|--------------------------------------------|------------------|--------|----------------|---------------|-------------------------|-----|---------------------|---------------|
| Route of exposure                          | Parameter        | Method | Value          | Exposure time | Species                 | Sex | Value determination | Source        |
| Oral                                       | LD <sub>50</sub> |        | 3523 mg/kg bw  |               | Rat (Rattus norvegicus) |     |                     | BL dodavatele |
| Skin                                       | LD <sub>50</sub> |        | 12126 mg/kg bw |               | Rabbit                  |     |                     | BL dodavatele |
| Inhalation (vapor)                         | LD <sub>50</sub> |        | 6700 ppm       |               | Rat (Rattus norvegicus) |     |                     | BL dodavatele |

### Skin corrosion/irritation

Causes skin irritation.

| 2-methylpropan-1-ol |            |          |               |         |               |
|---------------------|------------|----------|---------------|---------|---------------|
| Route of exposure   | Result     | Method   | Exposure time | Species | Source        |
|                     | Irritating | OECD 404 |               | Rabbit  | BL dodavatele |

| propan-2-ol       |                |        |               |         |        |
|-------------------|----------------|--------|---------------|---------|--------|
| Route of exposure | Result         | Method | Exposure time | Species | Source |
| Dermal            | Not irritating |        |               | Rabbit  |        |

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### Serious eye damage/irritation

Causes serious eye damage.

| 2-methylpropan-1-ol |                    |          |               |         |               |
|---------------------|--------------------|----------|---------------|---------|---------------|
| Route of exposure   | Result             | Method   | Exposure time | Species | Source        |
| Eye                 | Serious eye damage | OECD 405 |               | Rabbit  | BL dodavatele |

| propan-2-ol       |            |        |               |         |        |
|-------------------|------------|--------|---------------|---------|--------|
| Route of exposure | Result     | Method | Exposure time | Species | Source |
| Eye               | Irritating |        |               | Rabbit  |        |

### Respiratory or skin sensitisation

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

| propan-2-ol       |                 |               |                                        |     |
|-------------------|-----------------|---------------|----------------------------------------|-----|
| Route of exposure | Result          | Exposure time | Species                                | Sex |
|                   | Not sensitizing |               | Guinea-pig (Cavia aperea f. porcellus) |     |

### Germ cell mutagenicity

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

| propan-2-ol |               |                       |         |     |
|-------------|---------------|-----------------------|---------|-----|
| Result      | Exposure time | Specific target organ | Species | Sex |
| Negative    |               |                       |         |     |

### Carcinogenicity

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

| Technical xylene (mixed with ethylbenzene) |           |          |         |        |                         |     |               |
|--------------------------------------------|-----------|----------|---------|--------|-------------------------|-----|---------------|
| Route of exposure                          | Parameter | Method   | Value   | Result | Species                 | Sex | Source        |
| Inhalation (vapor)                         | NOAEC     | OECD 451 | <75 ppm |        | Rat (Rattus norvegicus) |     | BL dodavatele |

### Reproductive toxicity

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

| 2-methylpropan-1-ol    |           |          |          |               |          |                         |     |               |
|------------------------|-----------|----------|----------|---------------|----------|-------------------------|-----|---------------|
| Effect                 | Parameter | Method   | Value    | Exposure time | Result   | Species                 | Sex | Source        |
| Effects on fertility   | NOAEL     |          | 7.5 mg/l |               | Negative | Rat (Rattus norvegicus) |     | BL dodavatele |
| Developmental toxicity | NOAEL     | OECD 414 | 10 mg/l  |               | Negative | Rat (Rattus norvegicus) |     | BL dodavatele |

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### n-butyl acetate

| Effect                 | Parameter | Method   | Value    | Exposure time | Result | Species                 | Sex | Source        |
|------------------------|-----------|----------|----------|---------------|--------|-------------------------|-----|---------------|
| Developmental toxicity | NOAEC     | OECD 414 | 1500 ppm |               |        | Rabbit                  |     | BL dodavatele |
| Developmental toxicity | LOAEC     | OECD 414 | 1500 ppm |               |        | Rat (Rattus norvegicus) |     | BL dodavatele |
| Effects on fertility   | LOAEC     | OECD 416 | 2000 ppm | 90 days       |        | Rat (Rattus norvegicus) |     | BL dodavatele |

### Technical xylene (mixed with ethylbenzene)

| Effect | Parameter | Method | Value    | Exposure time | Result | Species                 | Sex | Source        |
|--------|-----------|--------|----------|---------------|--------|-------------------------|-----|---------------|
|        | NOAEC     |        | ≥500 ppm |               |        | Rat (Rattus norvegicus) |     | BL dodavatele |

### Toxicity for specific target organ - single exposure

May cause respiratory irritation. May cause drowsiness or dizziness. Data for the components of the mixture are not available.

### Toxicity for specific target organ - repeated exposure

May cause damage to the central nervous system through prolonged or repeated exposure.

### Repeated dose toxicity

#### 2-methylpropan-1-ol

| Route of exposure | Parameter | Result   | Method   | Value      | Exposure time | Species                 | Sex | Source        |
|-------------------|-----------|----------|----------|------------|---------------|-------------------------|-----|---------------|
| Drinking water    | NOAEL     | Negative | OECD 408 | 1450 mg/kg | 90 days       | Rat (Rattus norvegicus) |     | BL dodavatele |

#### butan-1-ol

| Route of exposure | Parameter | Result | Method | Value            | Exposure time | Species | Sex | Source |
|-------------------|-----------|--------|--------|------------------|---------------|---------|-----|--------|
| Oral              | NOAEL     |        |        | 125 mg/kg bw/day |               | Rat     |     | echa   |
| Inhalation        | NOAEL     |        |        | 2.35 mg/l of air |               | Rat     |     | echa   |

### Technical xylene (mixed with ethylbenzene)

| Route of exposure | Parameter | Result | Method | Value            | Exposure time | Species                 | Sex | Source        |
|-------------------|-----------|--------|--------|------------------|---------------|-------------------------|-----|---------------|
| Oral              | NOAEL     |        |        | 250 mg/kg bw/day |               | Rat (Rattus norvegicus) |     | BL dodavatele |
| Inhalation        | NOAEC     |        |        | ≥810 ppm         |               | Dog                     |     | BL dodavatele |

### Aspiration hazard

May be fatal if swallowed and enters airways. Data for the components of the mixture are not available.

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### 11.2. Information on other hazards

#### Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption for humans.

#### Other information

not available

## SECTION 12: Ecological information

### 12.1. Toxicity

Harmful to aquatic life with long lasting effects.

#### Acute toxicity

| 1-methoxy-2-propanol |          |            |               |                                                       |             |                |
|----------------------|----------|------------|---------------|-------------------------------------------------------|-------------|----------------|
| Parameter            | Method   | Value      | Exposure time | Species                                               | Environment | Source         |
| LC <sub>50</sub>     | OECD 203 | ≥1000 mg/l | 96 hours      | Fish (Oncorhynchus mykiss)                            |             | BL dodavatel e |
| LC <sub>50</sub>     |          | 6812 mg/l  | 96 hours      | Fish (Leuciscus idus (Jesen zlatý))                   |             | BL dodavatel e |
| LC <sub>50</sub>     | OECD 203 | 20800 mg/l | 96 hours      | Fish (Pimephales promelas (střevle))                  |             | BL dodavatel e |
| LC <sub>50</sub>     | OECD 202 | 21100 mg/l | 48 hours      | Daphnia (Daphnia magna (perloočka velká))             |             | BL dodavatel e |
| ErC <sub>50</sub>    | OECD 201 | >1000 mg/l | 7 days        | Algae (Pseudokirchneriella subcapitata (zelené řasy)) |             | BL dodavatel e |

| 2-methylpropan-1-ol |          |           |               |                                         |             |                |
|---------------------|----------|-----------|---------------|-----------------------------------------|-------------|----------------|
| Parameter           | Method   | Value     | Exposure time | Species                                 | Environment | Source         |
| LC <sub>50</sub>    |          | >100 mg/l | 96 hours      | Fish (Pimephales promelas)              |             | BL dodavatel e |
| EC <sub>50</sub>    |          | >100 mg/l | 48 hours      | Daphnia (Daphnia pulex)                 |             | BL dodavatel e |
| EC <sub>50</sub>    | OECD 201 | >100 mg/l | 72 hours      | Algae (Pseudokirchneriella subcapitata) |             | BL dodavatel e |
| EC <sub>10</sub>    | OECD 209 | >100 mg/l | 16 hours      | Bacteria (Pseudomonas putida)           |             | BL dodavatel e |

| butan-1-ol       |        |           |               |                                |             |        |
|------------------|--------|-----------|---------------|--------------------------------|-------------|--------|
| Parameter        | Method | Value     | Exposure time | Species                        | Environment | Source |
| LC <sub>50</sub> |        | 1.376 g/l | 96 hours      | Fish (Oncorhynchus mykiss)     |             | echa   |
| EC <sub>50</sub> |        | 1.328 g/l | 48 hours      | Aquatic invertebrates          |             | echa   |
| EC <sub>50</sub> |        | 225 mg/l  | 96 hours      | Algae and other aquatic plants |             | echa   |

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## S6300 THINNER for epoxy coatings

Creation date 31st October 2016 Version 4.0  
Revision date 14th August 2025

| butan-1-ol       |        |          |               |                                             |             |        |
|------------------|--------|----------|---------------|---------------------------------------------|-------------|--------|
| Parameter        | Method | Value    | Exposure time | Species                                     | Environment | Source |
| EC <sub>50</sub> |        | 4.39 g/l | 17 hours      | Microorganisms (Photobacterium phosphoreum) |             | echa   |

| n-butyl acetate  |          |            |               |                                                          |             |                |
|------------------|----------|------------|---------------|----------------------------------------------------------|-------------|----------------|
| Parameter        | Method   | Value      | Exposure time | Species                                                  | Environment | Source         |
| LC <sub>50</sub> | OECD 203 | 18 mg/l    | 96 hours      | Algae (Pimephales promelas)                              |             | BL dodavatel e |
| EC <sub>50</sub> | OECD 203 | 44 mg/l    | 48 hours      | Crustaceans (Daphnia magna)                              |             | BL dodavatel e |
| EC <sub>50</sub> | OECD 203 | 674.7 mg/l | 72 hours      | Algae and other aquatic plants (Desmodesmus subspicatus) |             | BL dodavatel e |
| NOEC             | OECD 203 | 200 mg/l   | 72 hours      | Algae and other aquatic plants (Desmodesmus subspicatus) |             | BL dodavatel e |

| propan-2-ol      |        |           |               |                                 |             |        |
|------------------|--------|-----------|---------------|---------------------------------|-------------|--------|
| Parameter        | Method | Value     | Exposure time | Species                         | Environment | Source |
| LC <sub>50</sub> |        | >100 mg/l | 96 hours      | Fish (Pimephales promelas)      |             |        |
| EC <sub>50</sub> |        | >100 mg/l | 48 hours      | Daphnia (Daphnia magna)         |             |        |
| EC <sub>50</sub> |        | >100 mg/l | 72 hours      | Algae (Scenedesmus subspicatus) |             |        |

| Technical xylene (mixed with ethylbenzene) |          |           |               |                                         |             |                |
|--------------------------------------------|----------|-----------|---------------|-----------------------------------------|-------------|----------------|
| Parameter                                  | Method   | Value     | Exposure time | Species                                 | Environment | Source         |
| LC <sub>50</sub>                           | OECD 203 | 8.4 mg/l  | 96 hours      | Fish (Oncorhynchus mykiss)              |             | BL dodavatel e |
| IC <sub>50</sub>                           | OECD 202 | 4.7 mg/l  | 24 hours      | Invertebrates                           |             | BL dodavatel e |
| NOEC                                       | OECD 201 | 0.44 mg/l | 73 hours      | Algae (Pseudokirchneriella subcapitata) |             | BL dodavatel e |
| EC <sub>50</sub>                           | OECD 201 | 4.36 mg/l | 73 hours      | Algae (Pseudokirchneriella subcapitata) |             | BL dodavatel e |

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### Chronic toxicity

| 2-methylpropan-1-ol |        |         |               |                         |             |                |
|---------------------|--------|---------|---------------|-------------------------|-------------|----------------|
| Parameter           | Method | Value   | Exposure time | Species                 | Environment | Source         |
| NOEC                |        | 20 mg/l | 21 days       | Daphnia (Daphnia magna) |             | BL dodavatel e |

| n-butyl acetate |          |         |               |                             |             |                |
|-----------------|----------|---------|---------------|-----------------------------|-------------|----------------|
| Parameter       | Method   | Value   | Exposure time | Species                     | Environment | Source         |
| NOEC            | OECD 211 | 23 mg/l | 21 hours      | Crustaceans (Daphnia magna) |             | BL dodavatel e |

### 12.2. Persistence and degradability

Data for the mixture are not available.

#### Biodegradability

| 1-methoxy-2-propanol |           |       |               |             |                      |                |
|----------------------|-----------|-------|---------------|-------------|----------------------|----------------|
| Parameter            | Method    | Value | Exposure time | Environment | Result               | Source         |
| Biologické odbourání | OECD 301E | 96 %  | 28 days       |             | Easily biodegradable | BL dodavatel e |

| 2-methylpropan-1-ol |           |       |               |             |                      |                |
|---------------------|-----------|-------|---------------|-------------|----------------------|----------------|
| Parameter           | Method    | Value | Exposure time | Environment | Result               | Source         |
|                     | OECD 301D | >70 % | 28 days       |             | Easily biodegradable | BL dodavatel e |

| propan-2-ol |        |       |               |                  |               |        |
|-------------|--------|-------|---------------|------------------|---------------|--------|
| Parameter   | Method | Value | Exposure time | Environment      | Result        | Source |
|             |        |       |               |                  | Biodegradable |        |
|             |        | 53 %  | 5 days        | Activated sludge |               |        |

### 12.3. Bioaccumulative potential

Data for the mixture are not available.

| 1-methoxy-2-propanol |       |                  |               |
|----------------------|-------|------------------|---------------|
| Parameter            | Value | Temperature [°C] | Source        |
| BCF                  | <2    |                  | BL dodavatele |

| 2-methylpropan-1-ol |       |                  |               |
|---------------------|-------|------------------|---------------|
| Parameter           | Value | Temperature [°C] | Source        |
| Log Pow             | 1     | 25°C             | BL dodavatele |

| propan-2-ol |       |                  |        |
|-------------|-------|------------------|--------|
| Parameter   | Value | Temperature [°C] | Source |
| Log Pow     | <1    | 25°C             |        |

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### 12.4. Mobility in soil

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PMT or vPvM components.

| 2-methylpropan-1-ol |       |        |               |
|---------------------|-------|--------|---------------|
| Parameter           | Value | Result | Source        |
| Koc                 | 2.1   | High   | BL dodavatele |

### 12.5. Results of PBT and vPvB assessment

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PBT or vPvB components.

### 12.6. Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption in the environment.

### 12.7. Other adverse effects

Not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

#### Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

#### Waste type code

07 07 04\* other organic solvents, washing liquids and mother liquors

#### Packaging waste type code

15 01 10\* packaging containing residues of or contaminated by hazardous substances

(\*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

## SECTION 14: Transport information

### 14.1. UN number or ID number

UN 1993

### 14.2. UN proper shipping name

FLAMMABLE LIQUID, N.O.S. (Xylen technical (mixture with ethylbenzene), butan-1-ol)

### 14.3. Transport hazard class(es)

3 Flammable liquids

### 14.4. Packing group

III

### 14.5. Environmental hazards

No.

### 14.6. Special precautions for user

Reference in the Sections 4 to 8.

### 14.7. Maritime transport in bulk according to IMO instruments not relevant

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### Additional information

Hazard identification No.

30

UN number

1993

Classification code

F1

Safety signs

3



### Road transport - ADR

Special provisions

274,601

Limited quantities

5 L

Excepted quantities

E1

#### Packaging

Packing instructions

P001, IBC03, LP01, R001

Mixed packing provisions

MP19

#### Portable tanks and bulk containers

Guidelines

T4

Special provisions

TP1, TP29

#### ADR tank

Tank code

LGBF

Vehicles for tank carriage

FL

Transport category

3

Tunnel restriction code

(D/E)

#### Special provision for

operation

S2, S20

### Railway transport - RID

Special provisions

274, 601

#### Packaging

Packing instructions

P001, IBC03, LP01, R001

Mixed packing provisions

MP19

#### Portable tanks and bulk containers

Guidelines

T4

Special provisions

TP1, TP29

#### RID Tanks

Tank code

LGBF

Transport category

3

### Air transport - ICAO/IATA

Packaging instructions for limited amount

Y344

Packaging instructions passenger

355

Cargo packaging instructions

366

### Marine transport - IMDG

EmS (emergency plan)

F-E, S-E

MFAG

310

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### SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

#### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out (mixture).

### SECTION 16: Other information

#### A list of standard risk phrases used in the safety data sheet

|           |                                                                                        |
|-----------|----------------------------------------------------------------------------------------|
| EUH019    | May form explosive peroxides.                                                          |
| EUH066    | Repeated exposure may cause skin dryness or cracking.                                  |
| H225      | Highly flammable liquid and vapour.                                                    |
| H226      | Flammable liquid and vapour.                                                           |
| H302      | Harmful if swallowed.                                                                  |
| H304      | May be fatal if swallowed and enters airways.                                          |
| H312+H332 | Harmful in contact with skin or if inhaled.                                            |
| H315      | Causes skin irritation.                                                                |
| H318      | Causes serious eye damage.                                                             |
| H319      | Causes serious eye irritation.                                                         |
| H335      | May cause respiratory irritation.                                                      |
| H336      | May cause drowsiness or dizziness.                                                     |
| H373      | May cause damage to organs through prolonged or repeated exposure.                     |
| H373      | May cause damage to the central nervous system through prolonged or repeated exposure. |
| H412      | Harmful to aquatic life with long lasting effects.                                     |

#### Guidelines for safe handling used in the safety data sheet

|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| P101           | If medical advice is needed, have product container or label at hand.                                                            |
| P102           | Keep out of reach of children.                                                                                                   |
| P103           | Read label before use.                                                                                                           |
| P210           | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.                                   |
| P260           | Do not breathe vapours/spray.                                                                                                    |
| P271           | Use only outdoors or in a well-ventilated area.                                                                                  |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.                                                       |
| P301+P310      | IF SWALLOWED: Immediately call a POISON CENTER/doctor.                                                                           |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing.                                                       |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P314           | Get medical advice/attention if you feel unwell.                                                                                 |
| P331           | Do NOT induce vomiting.                                                                                                          |
| P370+P378      | In case of fire: Use foam (alcohol resistant), carbon dioxide, a spray mist, powder to extinguish.                               |
| P403+P235      | Store in a well-ventilated place. Keep cool.                                                                                     |
| P405           | Store locked up.                                                                                                                 |
| P501           | Dispose of contents/container to by handing over to a person authorized to dispose of waste or a site designated by the town.    |

#### Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

#### Key to abbreviations and acronyms used in the safety data sheet

|            |                |
|------------|----------------|
| Acute Tox. | Acute toxicity |
|------------|----------------|

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|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| ADR                 | Agreement concerning the international carriage of dangerous goods by road                        |
| Aquatic Chronic     | Hazardous to the aquatic environment (chronic)                                                    |
| Asp. Tox.           | Aspiration hazard                                                                                 |
| ATE                 | Acute toxicity estimate                                                                           |
| BCF                 | Bioconcentration Factor                                                                           |
| CAS                 | Chemical Abstracts Service                                                                        |
| CLP                 | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures |
| EC                  | Identification code for each substance listed in EINECS                                           |
| EC <sub>10</sub>    | Concentration of a substance when it is affected 10 % of the population                           |
| EC <sub>50</sub>    | Concentration of a substance when it is affected 50 % of the population                           |
| EINECS              | European Inventory of Existing Commercial Chemical Substances                                     |
| EmS                 | Emergency Response Procedures for Ships Carrying Dangerous Goods                                  |
| EU                  | European Union                                                                                    |
| EuPCS               | European Product Categorisation System                                                            |
| Eye Dam.            | Serious eye damage                                                                                |
| Eye Irrit.          | Eye irritation                                                                                    |
| Flam. Liq.          | Flammable liquid                                                                                  |
| IATA                | International Air Transport Association                                                           |
| IBC                 | International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals       |
| IC <sub>50</sub>    | Concentration causing 50% blockade                                                                |
| ICAO                | International Civil Aviation Organization                                                         |
| IMDG                | International Maritime Dangerous Goods                                                            |
| IMO                 | International Maritime Organization                                                               |
| INCI                | International Nomenclature of Cosmetic Ingredients                                                |
| ISO                 | International Organization for Standardization                                                    |
| IUPAC               | International Union of Pure and Applied Chemistry                                                 |
| LC <sub>0</sub>     | Lethal concentration of a substance in which it can be expected death of 0% of the population     |
| LC <sub>50</sub>    | Lethal concentration of a substance in which it can be expected death of 50% of the population    |
| LD <sub>50</sub>    | Lethal dose of a substance in which it can be expected death of 50% of the population             |
| LOAEC               | Lowest observed adverse effect concentration                                                      |
| log K <sub>ow</sub> | Octanol-water partition coefficient                                                               |
| NOAEC               | No observed adverse effect concentration                                                          |
| NOAEL               | No observed adverse effect level                                                                  |
| NOEC                | No observed effect concentration                                                                  |
| OEL                 | Occupational Exposure Limits                                                                      |
| PBT                 | Persistent, bioaccumulative and toxic                                                             |
| PMT                 | Persistent, mobile and toxic                                                                      |
| ppm                 | Parts per million                                                                                 |
| REACH               | Registration, Evaluation, Authorisation and Restriction of Chemicals                              |
| RID                 | Regulation concerning the International Carriage of Dangerous Goods by Rail                       |
| Skin Irrit.         | Skin irritation                                                                                   |
| STOT RE             | Specific target organ toxicity - repeated exposure                                                |
| STOT SE             | Specific target organ toxicity - single exposure                                                  |
| UN number           | Four-figure identification number of the substance or article taken from the UN Model Regulations |
| UVCB                | Substances of unknown or variable composition, complex reaction products or biological materials  |
| VOC                 | Volatile organic compounds                                                                        |
| vPvB                | Very persistent and very bioaccumulative                                                          |
| vPvM                | Very persistent and very mobile                                                                   |

### Training guidelines

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Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

### Recommended restrictions of use

not available

### Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended.  
REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

### The changes (which information has been added, deleted or modified)

The version 4.0 replaces the SDS version from 15.03.2024. Changes were made in sections 1, 7, 8, 9, 10, 11, 12, 13, 15 and 16.

### More information

Classification procedure - calculation method.

### Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.

Příloha bezpečnostního listu pro výrobek: Ředidla a pomocné přípravky

**1. Expoziční scénář: Průmyslové použití ředidel a pomocných přípravků**

Oblast koncového použití : SU3  
 Kategorie chemických výrobků : PC9a  
 Dílčí procesy kryté expozičním scénářem : PROC1, PROC2, PROC3, PROC4, PROC5, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC 15  
 Uvolňování výrobku do životního prostředí : ERC2, ERC4

Procesy a činnosti zahrnuté ve scénáři expozice:

Vztahuje se na použití v nátěrech (barvy, inkousty, lepidla atd.) včetně náhodných expozic během použití (včetně příjmu materiálů, skladování, přípravy a přenosu z velkých nebo středně velkých objemů, aplikace nástřikem, válečkem, rozmetačem, ponořením, průtokem, fluidizovanou vrstvou ve výrobních linkách a při tvorbě filmů) a čištění zařízení, údržby a souvisejících laboratorních činností.

**Základní podmínky omezující riziko pro pracovníky:**

Trvání pracovních činností : expozice trvající nejvýše 8 hodin / den  
 Koncentrace : práce s ředidlem nebo pomocným přípravkem, práce s nátěrovou hmotou, popř. naředěnou na aplikační hustotu  
 Teplota : provádění prací při doporučené teplotě +5 až 25°C  
 Obecná opatření na omezení rizik : pracovat v ochranném pracovním oděvu, při kontaktu s nátěrovou hmotou používat ochranné rukavice a ochranné brýle, limitní koncentrace látek obsažených ve směsi jsou uvedeny v oddíle 8 bezpečnostního listu a mohou se lišit v závislosti na typu nátěrové hmoty  
 Při práci dodržovat obecné zásady hygieny a bezpečnosti práce.  
 Prostředí, kde jsou činnosti prováděny : vnitřní prostředí s odvětráváním.

**Doplňující požadavky omezující riziko pro pracovníky vykonávající dílčí pracovní činnosti:**

| Dílčí pracovní činnost prováděná s výrobkem                                                                          | Kategorie procesu                                                                                           | Požadované doplňující opatření                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Přečerpávání z / do zásobníků a zařízení v uzavřeném systému                                                         | PROC1 Použití v rámci uzavřeného výrobního procesu                                                          | Neidentifikována žádná specifická opatření.                                                                                                                                                                                                                                                                                                                                     |
| Přečerpávání z / do zásobníků a zařízení v nespecializovaném zařízení s možností expozice osob a životního prostředí | PROC8a přeprava výrobku (napouštění / vypouštění) z / do nádob / kontejnerů v nespecializovaných zařízeních | Zajistěte dostatečné větrání. Místní odsávání, popř. dobré větrání (3 – 5 výměn vzduchu za hodinu).                                                                                                                                                                                                                                                                             |
| Přečerpávání z / do zásobníků a zařízení v nespecializovaném zařízení s možností expozice osob a životního prostředí | PROC8b přeprava výrobku (napouštění / vypouštění) z / do nádob / kontejnerů v specializovaných zařízeních   | Zajistěte dostatečné větrání. Místní odsávání, popř. dobré větrání (3 – 5 výměn vzduchu za hodinu).                                                                                                                                                                                                                                                                             |
| Plnění linky specializované na zachycování unikajících výparů a aerosolů a na minimalizaci úniku rozlité látky.      | PROC9 Přeprava ředidla do malých nádob v uzavřeném systému                                                  | Místní odsávání, popř. dobré větrání (3 – 5 výměn vzduchu za hodinu).                                                                                                                                                                                                                                                                                                           |
| Míchání, směšování, ředění v otevřených zařízeních s možností expozice osob a životního prostředí                    | PROC5 míchání nebo směšování v dávkových procesech při výrobě směsí                                         | Zajistěte dostatečné větrání. Místní odsávání, popř. dobré větrání (3 – 5 výměn vzduchu za hodinu). Používejte osobní ochranné prostředky.                                                                                                                                                                                                                                      |
| Aplikace stříkáním                                                                                                   | PROC7 průmyslové nástřikové techniky                                                                        | Zajistěte dostatečné větrání. Robotický nástřik provádět v uzavřených komorách nebo uzavřených kabinách s odsáváním a zajištěním nezávislého přívodu vzduchu. Ruční nástřik provádějte ve stříkacích kabinách nebo v intenzivně větraných prostorách (5-10 výměn vzduchu za hodinu) za použití polomasky nebo masky s filtrem typu A/P2, ochranných rukavic a ochranného oděvu. |
| Ruční aplikace nátěrových hmot válečkem, štětkem, stěrkou                                                            | PROC10 aplikace válečkem, stěrkou nebo štětkem                                                              | Zajistěte dostatečné větrání. Místní odsávání, popř. dobré větrání (3 – 5 výměn vzduchu za hodinu).                                                                                                                                                                                                                                                                             |
| Nanášení nátěrových hmot poléváním nebo                                                                              | PROC13 úprava                                                                                               | Zajistěte dostatečné větrání. Místní odsávání, popř. dobré                                                                                                                                                                                                                                                                                                                      |

| Dílčí pracovní činnost prováděná s výrobkem                                                                     | Kategorie procesu                                                                                                             | Požadované doplňující opatření                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ponořením                                                                                                       | předmětů máčením a poléváním                                                                                                  | větrání (3 – 5 výměn vzduchu za hodinu).                                                                                                                                                                      |
| Volné sušení nátěrového filmu při normální teplotě nebo mírně zvýšené teplotě                                   | PROC4 použití v rámci dávkového a jiného procesu s větší možností expozice                                                    | Provádět za místního odsávání, popř. dobré větrání (3 – 5 výměn vzduchu za hodinu).                                                                                                                           |
| Kontinuální postupy sušení a vytvrzování nátěrových hmot za zvýšené teploty v sušících tunelech s odsáváním par | PROC2 použití v rámci nepřetržitého chemického výrobního procesu s příležitostnou kontrolovanou expozicí (např. odběr vzorků) | Neidentifikována žádná specifická opatření.                                                                                                                                                                   |
| Násadové postupy sušení a vytvrzování filmu nátěrových hmot za zvýšené teploty v odsávaných komorách.           | PROC3 použití v rámci uzavřeného dávkového procesu výroby směsí                                                               | Neidentifikována žádná specifická opatření.                                                                                                                                                                   |
| Strojní čištění a promývání uzavřených nádrží, zásobníků a zařízení vybavených odsáváním par                    | PROC3 použití v rámci uzavřeného dávkového procesu výroby směsí                                                               | Neidentifikována žádná specifická opatření.                                                                                                                                                                   |
| Ruční čištění malých zásobníků, aplikačních zařízení a nářadí                                                   | PROC10 aplikace válečkem, stěrkou nebo štětcem                                                                                | Zajistěte dostatečné větrání. Lokální odsávání v místě potencionálního úniku emisí nebo dobré větrání (3 – 5 výměn vzduchu za hodinu). Použijte osobní ochranné prostředky.                                   |
| Kontrolní činnosti prováděné s ředidly, nátěrovými hmotami v laboratořích                                       | PROC15 použití jako laboratorního reagentu (práce s výrobkem v laboratořích)                                                  | Dobré větrání (3 – 5 výměn vzduchu za hodinu). Používejte osobní ochranné prostředky.                                                                                                                         |
| Činnosti s odpady výrobku a odpady znečištěnými výrobkem                                                        |                                                                                                                               | Při nebezpečí styku s odpady používat ochranné rukavice. Odpady ukládat do uzavíratelných obalů uložených v dobře větraných skladech nebo ve venkovním prostředí. Odpady zajistit proti úniku do vody a půdy. |

#### Doplňující požadavky omezující riziko pro životní prostředí

|                            |                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Omezování emisí do ovzduší | Při nanášení barvy stříkáním odstraňovat ze vzduchu odtahovaného z pracovních prostor úlet aerosolu barvy.<br>Při překročení limitů spotřeby rozpouštědel stanovených vyhláškou využívat postupy rekuperace rozpouštědel z odpadního vzduchu nebo jinými postupy zaručujícími dodržení emisních parametrů stanovených předpisy pro ochranu ovzduší. |
| Omezování emisí do vody    | Ředidlo, barvu a odpady znečištěné barvou skladovat v objektech stavebně zajištěných proti úniku úkapů a havarijních úniků do podzemních a povrchových vod. Při vypouštění odpadních vod dodržovat parametry stanovené pro dané zařízení vodo hospodářským orgánem.                                                                                 |
| Odstraňování odpadů        | Odpady ředidel, barvy a materiálů znečištěných ředidlem nebo barvou odstraňovat ve spolupráci s osobami oprávněnými k nakládání s odpady.                                                                                                                                                                                                           |

## 2. Expoziční scénář: profesionální použití ředidel a pomocných přípravků

Sektor použití : SU22  
Kategorie chemických výrobků : PC9a  
Dílčí procesy kryté expozičním scénářem : PROC3, PROC4, PROC5, PROC7, PROC8a, PROC8b, PROC10, PROC11, PROC13, PROC 15, PROC19  
Uvolňování výrobku do životního prostředí : ERC8a, REC8d

Procesy a činnosti zahrnuté ve scénáři expozice:

Vztahuje se na použití v nátěrech (barvy, inkousty, lepidla atd.) včetně náhodných expozic během použití (včetně příjmu materiálů, skladování, přípravy a přenosu z velkých nebo středně velkých objemů, aplikace nástřikem, válečkem, rozmetačem, ponořením, průtokem, fluidizovanou vrstvou ve výrobních linkách a při tvorbě filmů) a čištění zařízení, údržby a souvisejících laboratorních činností.

#### Základní podmínky omezující riziko pro pracovníky:

Trvání pracovních činností : expozice trvající nejvýše 8 hodin / den  
Koncentrace : práce s ředidlem nebo pomocným přípravkem, práce s nátěrovou hmotou, popř. naředěnou na aplikační hustotu  
Teplota : provádění prací při doporučené teplotě +5 až 25°C

Obecná opatření na omezení rizik

: pracovat v ochranném pracovním oděvu, při kontaktu s náterovou hmotou používat ochranné rukavice a ochranné brýle, limitní koncentrace látek obsažených ve směsi jsou uvedeny v oddíle 8 bezpečnostního listu a mohou se lišit v závislosti na typu náterové hmoty

Prostředí, kde jsou činnosti prováděny

Při práci dodržovat obecné zásady hygieny a bezpečnosti práce.  
: vnitřní prostředí s odvětráváním, popř. venkovní prostředí.

**Doplňující požadavky omezující riziko pro pracovníky vykonávající dílčí pracovní činnosti:**

| Dílčí pracovní činnost prováděná s výrobkem                                                                                            | Kategorie procesu                                                                                             | Požadované doplňující opatření                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Přečerpávání náterových hmot z / do zásobníků a zařízení v nesespecializovaném zařízení s možností expozice osob a životního prostředí | PROC8a přeprava výrobku (napouštění / vypouštění) z / do nádob / kontejnerů v nesespecializovaných zařízeních | Zajistěte dostatečné větrání.<br>Uvnitř budov: Místní odsávání, popř. dobré větrání (3 – 5 výměn vzduchu za hodinu).<br>Venku: zajistit úkapy náterových hmot.                                                                                                                                                                                                                                                                                                                                       |
| Přečerpávání z / do zásobníků a zařízení v nesespecializovaném zařízení s možností expozice osob a životního prostředí                 | PROC8b přeprava výrobku (napouštění / vypouštění) z / do nádob / kontejnerů v specializovaných zařízeních     | Zajistěte dostatečné větrání.<br>Místní odsávání, popř. dobré větrání (3 – 5 výměn vzduchu za hodinu).                                                                                                                                                                                                                                                                                                                                                                                               |
| Míchání, směšování, ředění náterových hmot v otevřených zařízeních s možností expozice osob a životního prostředí                      | PROC5 míchání nebo směšování v dávkových procesech při výrobě směsí                                           | Zajistěte dostatečné větrání.<br>Uvnitř: Místní odsávání, popř. dobré větrání (3 – 5 výměn vzduchu za hodinu).<br>Venku: činnosti vykonávat nejdéle 4hod./den bez potřeby dalších opatření, nebo používat ochranu dýchacích orgánů s filtrem typu A, ochranné rukavice a oděv.                                                                                                                                                                                                                       |
| Aplikace stříkáním                                                                                                                     | PROC11 neprůmyslové nástřikové techniky                                                                       | Uvnitř: nástřik provádět v uzavřených komorách nebo uzavřených kabinách s odsáváním a zajištěním nezávislého přívodu vzduchu. Místní odsávání, popř. dobré větrání (3 – 5 výměn vzduchu za hodinu).<br>Ruční nástřik provádějte ve stříkacích kabinách nebo v intenzívně větraných prostorách (10-15 výměn vzduchu za hodinu) za použití polomasky nebo masky s filtrem typu A/P2, rukavic, ochranného oděvu.<br>Venku: použití polomasky nebo masky s filtrem typu A/P2, rukavic, ochranného oděvu. |
| Ruční aplikace náterových hmot válečkem, štětkou, stěrkou                                                                              | PROC10 aplikace válečkem, stěrkou nebo štětkou                                                                | Uvnitř: Místní odsávání, popř. dobré větrání (3 – 5 výměn vzduchu za hodinu).<br>Venku: nevyžaduje se další opatření                                                                                                                                                                                                                                                                                                                                                                                 |
| Nanášení náterových hmot poléváním nebo ponořením                                                                                      | PROC13 úprava předmětů máčením a poléváním                                                                    | Uvnitř: Místní odsávání, popř. dobré větrání (3 – 5 výměn vzduchu za hodinu), rukavic, ochranného oděvu.<br>Venku: používat ochranu dýchacích orgánů s filtrem typu A, rukavice, ochranný oděv.                                                                                                                                                                                                                                                                                                      |
| Násadové postupy sušení a vytvrzování filmu náterových hmot za zvýšené teploty v odsávaných komorách.                                  | PROC3 použití v rámci uzavřeného dávkového procesu výroby směsí                                               | Neidentifikována žádná specifická opatření.                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Volné sušení náterového filmu při normální teplotě nebo mírně zvýšené teplotě                                                          | PROC4 použití v rámci dávkového a jiného procesu s větší možností expozice                                    | Uvnitř: Provádět za místního odsávání, popř. dobré větrání (3 – 5 výměn vzduchu za hodinu).<br>Venku: Neidentifikována žádná specifická opatření.                                                                                                                                                                                                                                                                                                                                                    |
| Ruční čištění malých zásobníků, aplikačních zařízení a nářadí                                                                          | PROC10 aplikace válečkem, stěrkou nebo štětkou                                                                | Uvnitř: Lokální odsávání v místě potencionálního úniku emisí nebo dobré větrání (3 – 5 výměn vzduchu za hodinu), rukavic, ochranného oděvu.<br>Venku: Neidentifikována žádná specifická opatření.                                                                                                                                                                                                                                                                                                    |
| Činnosti, při kterých dochází k přímému kontaktu s výrobkem bez použití pracovního nástroje                                            | PROC19 ruční mísení s úzkým kontaktem za použití OOPP                                                         | Uvnitř: vhodné ochranné rukavice, místní odsávání nebo dobré větrání<br>Venku: vhodné ochranné rukavice                                                                                                                                                                                                                                                                                                                                                                                              |
| Kontrolní činnosti prováděné s náterovými hmotami v laboratořích                                                                       | PROC15 použití jako laboratorního reagentu (práce s výrobkem v laboratořích)                                  | Dobré větrání (3 – 5 výměn vzduchu za hodinu).                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Činnosti s odpady výrobku a odpady znečištěnými výrobkem                                                                               |                                                                                                               | Při nebezpečí styku s odpady používat rukavice. Odpady ukládat do uzavíratelných obalů uložených v dobře větraných skladech nebo ve venkovním prostředí.<br>Odpady zajistit proti úniku do vody a půdy.<br>Uvnitř: dobré větrání (3 – 5 výměn vzduchu za hodinu).                                                                                                                                                                                                                                    |

**Doplňující požadavky omezující riziko pro životní prostředí**

|                            |                                                                                                                                                                                                                                                                    |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Omezování emisí do ovzduší | Nejsou požadována žádná zvláštní opatření                                                                                                                                                                                                                          |
| Omezování emisí do vody    | Ředidlo, barvu a odpady znečištěné barvou skladovat v objektech stavebně zajištěných proti úniku úkapů a havarijních úniků do podzemních a povrchových vod. Při vypouštění odpadních vod dodržovat parametry stanovené pro dané zařízení vodohospodářským orgánem. |
| Odstraňování odpadů        | Odpady ředidel, barvy a materiálů znečištěných ředidlem nebo barvou odstraňovat ve spolupráci s osobami oprávněnými k nakládání s odpady.                                                                                                                          |